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DFW Phone 972-992-4600

SL1100

Programming Manual

Copyright

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LIST OF TABLES

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Introduction

S_{ECTION} 1 BEFORE YOU START PROGRAMMING

STOP	<u>Before customizing your system be sure to read this chapter first.</u>	**STOP**

This chapter provides you with detailed information about the system programs. By changing a program, you change the way the feature associated with that program works. In this chapter, you find out about each program, the features that the program affects and how to enter the program data into system memory.

This Manual is created for System : SL1100

S_{ECTION} 2 HOW TO USE THIS MANUAL

This section lists each program in numerical order. For example, Program 10-01 is at the beginning of the section and Program 92-01 is at the end. The information on each program is subdivided into the following headings :

Description describes what the program options control. The Default Settings for each program are also included. When you first install the system, it uses the Default Setting for all programs. Along with the Description are the *Conditions* which describe any limits or special considerations that may apply to the program.

The program access level is just above the Description heading. You can only use the program if your access level meets or exceeds the level the program requires. Refer to How to Enter Programming Mode on page 1-2 for a list of the system access levels and passwords.

Feature Cross Reference provides you with a table of all the features affected by the program. You will want to keep the referenced features in mind when you change a program. Customizing a feature may have an effect on another feature that you did not intend.

Telephone Programming Instructions shows how to enter the program data into system memory. For example :

1. Enter the programming mode.
2. 15-07-01

```
15-07-01    TEL
KY01 = *01
    ←      -      +      →
```

tells you to enter the programming mode, dial 150701 from the telephone dial pad. After you do, you will see the message "15-07-01 TEL" on the first line of the telephone display. This indicates the program number (15-07), item number (01), and that the options are being set for the extension. The second row of the display "KY01 = *01" indicates that Key 01 is being programmed with the entry of *01. The third row allows you to move the cursor to the left or right, depending on which arrow is

pressed. To learn how to enter the programming mode, refer to How to Enter Programming Mode on page 1-2.

SECTION 3 HOW TO ENTER PROGRAMMING MODE

To enter programming mode :

1.   Go to any working display telephone.

✎   *In a newly installed system, use extension (port 1).*

2.   Do not lift the handset.
3.   Press **Speaker**.
4.   # ∗ # ∗.

Password

5.   Dial the system password + **Hold**.
      Refer to the following table for the default system passwords. To change the passwords, use 90-02 : Programming Password Setup on page 2-515.

```
┌─────────────────────────────────┐
│        Program Mode             │
│  Base Service OP1   OP2         │
└─────────────────────────────────┘
```

Password	User Name	Level	Programs at this Level
∗∗∗∗∗∗	**necam**	1 (MF)	Manufacture Level (MF) : 80-02, 80-03, 80-04, 80-05, 80-07, 80-10, 81-04, 81-05, 82-01, 82-04, 82-05, 82-08
12345678	**sltech**	2 (IN)	Installation (IN) : All programs in this section not listed for MF, SA, & SB
0000	**ADMIN1**	3 (SA)	System Administrator - Level 1 (SA) : 10-01, 10-02, 10-12, 10-13, 10-14, 10-15, 10-16, 10-17, 10-18, 10-23, 10-24, 10-25, 10-28, 10-29, 10-45, 12-02, 12-03, 12-04, 12-08, 15-01, 15-07, 15-09, 15-10, 15-11, 20-16, 20-34, 21-07, 21-14, 22-04, 22-11, 22-17, 25-08, 30-03, 30-04, 32-02, 45-02, 84-22, 90-03, 90-04, 90-06, 90-07, 90-19, 90-57, 90-58, 90-59, 90-65
9999	**ADMIN2**	4 (SB)	System Administrator - Level 2 (SB) : 13-04, 13-05, 13-06, 13-11, 15-14, 21-20

SECTION 4 HOW TO EXIT PROGRAMMING MODE

To-exit the programming mode :

When you are done programming, you must be out of a program option to exit (pressing the **Mute** key will exit the program option).

1.   Press **Mute** key to exit the program options, if needed.

```
┌─────────────────────────────────┐
│        Program Mode             │
│  Base Service OP1   OP2         │
└─────────────────────────────────┘
```

2.   Press **Speaker**. If changes were to the system programming, "Saving System Data" is displayed.

3. The display shows "Complete Data Save" when completed and exits the telephone to an idle mode.

✎ *To save a customer's database, a blank Compact Flash (CF) Card is required. Insert the CF Card into the CPU and, using Program 90-03, save the software to the CF Card. (Program 90-04 is used to reload the customer data if necessary.) Note that a CF Card can only hold one customer database. Each database to be saved requires a separate drive.*

CF card

CPU card

CF Slot (CN2)

VMDB-C1
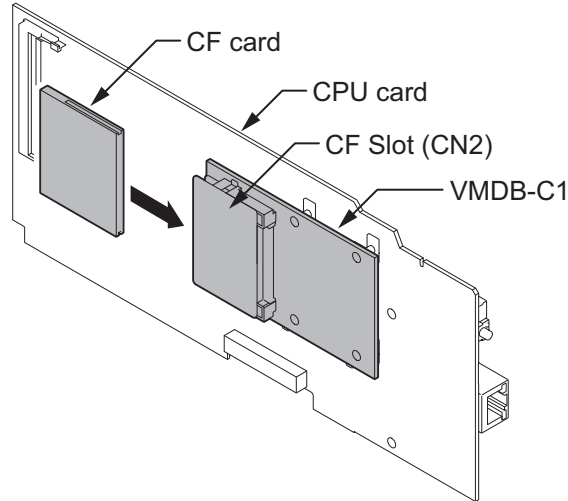
SECTION 5 USING KEYS TO MOVE AROUND IN THE PROGRAMS

Once you enter the programming mode, use the keys in the following chart to enter data, edit data and move around in the menus.

Table 1-1 Keys for Entering Data

When you want to ...	Telephone Programming
Enter Data into program	0 ~ 9, *, # Line Key (1 ~ 6)
Next Index	Cursor Key (Up)
Prior Index	Cursor Key (Down)
Select Data	Line Key (1 ~ 6)
All Clear	Flash
Register	Hold Enter
Go Back to Prior Screen	Mute Clear / Back
Move Cursor Jump Up/Down	DND
Delete single character	Clear / Back
Next Page	Help
Toggle between Number/Character	
While in a Entering Number	
Prior Page	Transfer
Quit the programming	Speaker Exit
Move Cursor to Left	Cursor Key (Left) Soft Key1
Change Program Number	Soft Key2
Change Index Number	

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When you want to ...	Telephone Programming
Change Program Number	Soft Key3
Change Index Number	
Move Cursor to Right	Cursor Key (Right) Soft Key4

SECTION 6 PROGRAMMING NAMES AND TEXT MESSAGES

Several programs (e.g., Program 20-16 : Selectable Display Messages) require you to enter text. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press the key **2** three times. Press the key six times to display the lower case letter. The name can be up to 12 digits long.

Table 1-2 Keys for Entering Names

Use this keypad digit ...	When you want to ...
1	Enter characters : **1 @ [¥] ^ _ ` {	} → ← Á À Â Ã Å Æ Ç É Ê ì ó 0**
2	Enter characters : **A-C, a-c, 2**.
3	Enter characters : **D-F, d-f, 3**.
4	Enter characters : **G-I, g-i, 4**.
5	Enter characters : **J-L, j-l, 5**.
6	Enter characters : **M-O, m-o, 6**.
7	Enter characters : **P-S, p-s, 7**.
8	Enter characters : **T-V, t-v, 8**.
9	Enter characters : **W-Z, w-z, 9**.
0	Enter characters : **0 ! " # $ % & ' ( ) ô õ ú å ä æ ö ü α ε θ B**
∗	Enter characters : **∗ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £**
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow Softkey instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

SECTION 7 USING SOFTKEYS FOR PROGRAMMING

Each Display telephone with Softkeys provides interactive Softkeys for intuitive feature access. The options for these keys will automatically change depending on where you are in the system programming. Simply press the Softkey located below the option you wish and the display will change accordingly.

```
  _       Program Mode
Base  Service  OP1     OP2
   ◯       ◯       ◯       ◯
```

Pressing the Cursor key Up or Down will scroll between the menus.

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```
 ___
        Program Mode
        Hard Mtnance
```

○   ○   ○   ○
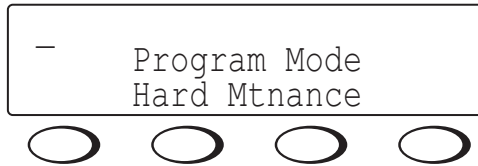
SECTION 8 WHAT THE SOFTKEY DISPLAY PROMPTS MEAN

When using a display telephone in programming mode, various Softkey options are displayed. These keys will allow you to easily select, scan, or move through the programs.

Table 1-3 Softkey Display Prompts

Softkey Display Prompts	
If you press this Soft-key ...	**The system will ...**
back	Go back one step in the program display. You can press Cursor Key (UP) or Cursor Key (Down) to scroll forward or backward through a list of programs.
↑	Scroll down through the available programs.
↓	Scroll up through the available programs.
select	Select the currently displayed program.
←	Move the cursor to the left.
→	Move the cursor to the right.
- 1	Move back through the available program options.
+ 1	Move forward through the available program options.

SECTION 9 SYSTEM NUMBER PLAN/CAPACITIES

🖉 *The following table provides the capacities for the SL1100 system.*

Table 1-4 System Number Plan/Capacities

System Number Plan/Capacities			Note
System Type	**Number Plan/Capacities**	**Related Pro-gram**	
System			
Analog Caller ID Detector (detected by DSP)	96 channels		
Classes of Service	15	20–06	
Day/Night Mode Numbers	8	12–07	
Day/Night Service Patterns	4	12–07	
Dial Tone Detector DTMF Receiver	96		
Toll Restriction Classes	15		
Verifiable Account Code Table	800	35–06	
Trunk			
Trunk Port Number	84		

System Number Plan/Capacities			Note
System Type	**Number Plan/Capacities**	**Related Program**	
Trunk Ports (Total) :	76		
• Analog Trunks	36		
• T1/PRI Trunk Ports	48		
• VoIPDB Trunk Ports (VoIPDB & MEMDB is required. Need license to be Max.)	16		
DID Translation Tables	20	22–10	
DID Translation Table Entries	800	22–10	
DISA :			
• Classes of Service	15	20–14	
• Users	15	25–09	
Ring Groups	25	22–04	
Trunk Access Maps	84	14–07	
Trunk Group Numbers	25	14–05	
Trunk Routes	25	14–06	
Extension			
Telephone Extension Ports	84		
• Multiline Terminals	72		
• Single Line Phones/Analog Devices	60		
• VoIPDB Extensions (SIP-MLT/Std) (VoIPDB & MEMDB is required. Need license to be Max. (SIP-Std))	32		
Digital Extension Ports • Physical Ports	01 ~ 08		
Telephone Extension Number Range	1 ~ 89999999∗ (∗Extension cannot start with 0 or 9)		
Virtual Extension Ports	50	11–04	
Virtual Extension Number Range	1 ~ 89999999∗ (∗Extension cannot start with 0 or 9)	11–04	
Door Boxes	6	32–02	
Door Box Numbers	1 ~ 6	32–02	
DSS Consoles Numbers : • 60 Button DSS Console	12	30–01	
Operator Access Number	0 (Default)		
Operator Extension	15		
Speed Dialing			
Speed Dialing Groups	32	13–02	
Speed Dialing Bins	0 ~ 999	13–02	
Speed Dialing Table-Common	900	13–01–03	
Automated Attendant			
VRS Message Numbers	1 ~ 100	25–06	
Conference			

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System Number Plan/Capacities			Note
System Type	**Number Plan/Capacities**	**Related Program**	
Conference Circuits	32 : maximum (16 Parties Per Conference)		
Department and Pickup Groups			
Department (Extension) Group Numbers	1 ~ 32	16–01	
Call Pickup Group Numbers	1 ~ 32	23–02	
Hotline			
Internal Hotline	84		
External Hotline	84		
Paging and Park			
Internal Page Group Numbers	0, 01 ~ 32	31–02	
External Page Group Numbers	1 ~ 3	31–04	
External Speakers	1 ~ 3	31–04	
Park Group Numbers	1 ~ 64	24–03	
Park Orbits	1 ~ 64	24–03	
SMDR			
SMDR Ports	1 ~ 2	35–03	
VRS/VM InMail			
VRS/VM InMail	1		
VRS/VM Ports (Need license and MEMDB)	16		
VRS Port (Need MEMDB)	16		
VRS Attendant Messages	3		
VRS Recordable Messages	100	40–10–02	
VRS Ports	16		
VoIPDB			
RTP Ports	0 ~ 65534		
RTCP Ports	0 ~ 65535		
DSP Resources	16		
Passwords			
Programming Passwords :			
Level 1 (MF) PCPro/WebPro User Name :	***** necam		
Level 2 (IN) PCPro/WebPro User Name :	12345678 sltech		
Level 3 (SA) PCPro/WebPro User Name :	0000 ADMIN1		
Level 4 (SB) PCPro/WebPro User Name :	9999 ADMIN2		
Programming Password Users	8		

Extension numbers can be one to eight digits long. Refer to the Flexible System Numbering feature in the SL1100 Features and Specifications Manual.

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SECTION 10 CONCEPT OF SLOT NUMBER

Each unit installed to the system has a slot number assigned. Some of slot number are fixed to a unit that be installed. Other slots are not fixed to unit but fixed to location where it is installed. Below chart shows the slot and its number :

Main KSU   **Expansion KSU 1-2**

Slot 0 Base Unit

Main KSU	CPU	Expansion KSU 1-2	EXIFE
Slot 10 4th Unit*		Slot 11/12 4th Unit*	
Slot 3 3rd Unit		Slot 6/9 3rd Unit	
Slot 2 2nd Unit		Slot 5/8 2nd Unit	
Slot 1 Base Unit		Slot 4/7 Base Unit	
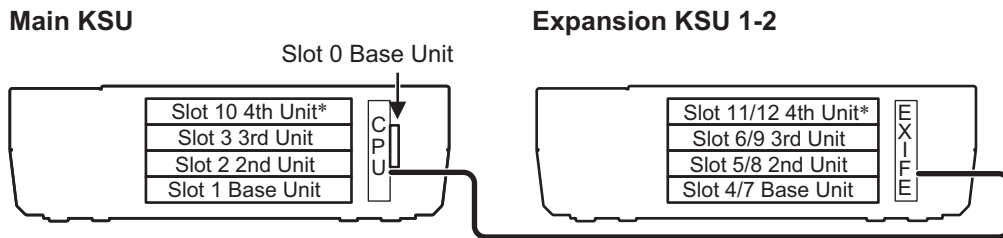
* Note: 4th Unit is available for V1.5 or higher. Only limited for PRI unit with limitation.
          Please see the hardware manual for further information.

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Programming the SL1100

Sᴇᴄᴛɪᴏɴ 1 PROGRAMMING YOUR SYSTEM

The information contained in this chapter provides the information necessary to properly program your system.

The programming blocks are organized into the following programming modes.

2

Programming the SL1100

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Program 10 : System Configuration Setup

10-01 : Time and Date

Level:
SA

Program

10

Description

Use **Program 10-01 : Time and Date** to change the system Time and Date through system programming. Extension users can also dial Service Code 728 to change the time if allowed by an extension Class of Service.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Year**	07 ~ 96	Enter 2 digits for year (07 ~ 96).	No Setting
02	**Month**	01 ~ 12	Enter 2 digits (01 ~ 12) for the month.	No Setting
03	**Day**	01 ~ 31	Enter 2 digits (01 ~ 31) for the day.	No Setting
04	**Week**	1 ~ 7 (Sun ~ Sat)	Enter digit for the day of the week (1 = Sunday, 7 = Saturday).	No Setting
05	**Hour**	00 ~ 23	Enter 2 digits for the hour (00 ~ 23).	No Setting
06	**Minute**	00 ~ 59	Enter 2 digits for the minute (00 ~ 59).	No Setting
07	**Second**	00 ~ 59	Enter 2 digits for the second (00 ~ 59).	No Setting

Conditions

None

Feature Cross Reference

• Clock/Calendar Display/Time and Date

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Program 10 : System Configuration Setup

10-02 : Location Setup

Level:
SA

Description

Use **Program 10-02 : Location Setup** to define the location of the installed system.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Country Code**	**Dial (up to four digits)** : 0 ~ 9, *, #	Enter the country code.	1
02	**International Access Code**	**Dial (up to four digits)** : 0 ~ 9, *, #	Enter the international access code.	No Setting
03	**Other Area Access Code**	**Dial (up to two digits)** : 0 ~ 9, *, #	Enter the other area access code.	9
04	**Area Code**	**Dial (up to six digits)** : 0 ~ 9, *, #	Enter the local area code.	No Setting
05	**Trunk Access Code**	**Dial (up to eight digits)** : 0 ~ 9, *, #	Enter the trunk access code digits required to place an outgoing call.	No Setting

---

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-03 : ETU Setup

Level:
IN

Program

10

Description

Use **Program 10-03 : ETU Setup** to setup and confirm the Basic Configuration data for each unit. When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it or you may have to reseat the unit.

> ✎ *The items highlighted in gray are read only and cannot be changed.*

Input Data

Slot No.	00 ~ 12

For ESIU PKG Setup

Physical Port Number	01 ~ 08

Item No.	Item	Input Data	Description	Default
01	**Terminal Type (B1)**	0 = No setting 1 = Multi-Line Telephone 10 = DSS Console		0
02	**Logical Port Number**	0 = No setting 1 = Multi-Line Telephone (1 ~ 72) 10 = DSS Console (1 ~ 12)		0
10	**Bottom option information**	0 = None 4 = WHA		0
12	**Multi-Line Telephone Line**	0 = None 12 = 12 Line **Terminal Type (B1)** 24 = 24 Line	✎ *This program can only be change by using PC Programming.*	0

For SLIU PKG Setup

Physical Port Number	01 ~ 08

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0 ~ 84	0
03	**Transmit Gain Level (S-Level)**	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)
04	**Receive Gain Level (R-Level)**	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)
05	**Select port type**	0 = SLT 1 = Door Phone	0

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For COIU Unit Setup

Physical Port Number	1 ~ 4

Item No.	Item	Input Data	Default
01	**Logical Port Number**	1 ~ 36	0

For PRIU PKG Setup

ISDN Line Number	01 ~ 24

Program

10

Item No.	Item	Input Data	Description	Default
01	**ISDN Line Mode**	0 = No setting 1 = T-Point 2 = S-Point 6 = S-Point (Leased Line)		1
02	**Logical Port Number**	[0 : No setting] = 0 [1 : T-Point] = 1 ~ 84 [2 : S-Point] = 1 ~ 84 [6 : S-Point (Leased Line)] = 1 ~ 84	✎ *The start port number of a PRI line is displayed.*	0
03	**CRC Multi-frame (CRC4) (Only for 2M = 30ch Mode)**	0 = off 1 = on		1
04	**Layer 3 Timer Type**	1 ~ 5	✎ *Each timer value of Layer 3 is set up for each type in Program 81-06 (T-Bus)*	1
05	**CLIP Information**	0 = No 1 = Yes	Based on this setting, the system includes a Presentation Allowed (1) or Presentation Restricted (0) in the Setup message to allow or deny the Calling Party Number. Program 15-01-04 must also be set to 1 if this option is enabled.	1
06	**Length of Cable**	0 = Level 1 1 = Level 2 2 = Level 3 3 = Level 4 4 = Level 5		2
07	**S-point DDI digits**	0 - 4		0
08	**Dial Sending Mode**	0 = Enbloc Sending 1 = Overlap Sending	ISDN Protocol definition	0
09	**Dial Information Element**	0 = Keypad Facility 1 = Called Party Number	ISDN Protocol definition Only when Dial Sending Mode (10-03-08) is set for 1 (Overlap Sending).	0
13	**Loss-Of-Signal Detection Limit**	0 = Level 0 (lowest sensitivity) 1 = Level 1 2 = Level 2 3 = Level 3 4 = Level 4 5 = Level 5 6 = Level 6 7 = Level 7 (highest sensitivity)	If the transmit/receive voltage is less than the setting in 10-03-13, the system considers this as Loss-Of-Signal and the PRI does not come up. Note that there are different values based on the setting in 10-03-12 for the PRI.	2

Item No.	Item	Input Data	Description	Default
14	**Service Protocol for S-point**	0 = Keypad facility 1 = Specified Protocol for Aspire system		0
15	**Call Busy Mode for S-point**	0 = Alerting 1 = Disconnect		0
16	**Two B-Channel Transfer for PRI Service**	0 = off 1 = on		0
18	**Type of Number**	0 = Unknown 1 = International number 2 = National number 3 = Network Specific number 4 = Subscriber number 5 = Abbreviated number	ISDN Protocol definition. Select the number type for the ISDN circuit.	2
19	**Numbering Plan Identification**	0 = Unknown 1 = ISDN numbering plan 2 = Data numbering plan 3 = Telex numbering plan 4 = National standard numbering plan 5 = Private numbering plan	ISDN Protocol definition. Select the Numbering Plan used for the ISDN circuit.	1
20	**Network Exchange Selection**	0 = Standard (same as NI-2) 1 = reserved 2 = reserved 3 = DMS (A211) 4 = 5ESS 5 = DMS (A233) 6 = 4ESS 7 = NI-2	Select the ISDN protocol for the ISDN circuit	7
21	**Number of Ports**	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports		0

Program

10

For PRI (T1) PKG Setup

Physical Port Number	01 ~ 24

Item No.	Item	Input Data	Description	Default
01	**Logical Port Number**	1 ~ 84	The start port number of a T1 line is displayed, and 24 logic ports are automatically assigned to a DTI (T1) line.	0
02	**T1 Signal Format Selection**	0 = D4 (12 Multi Frame) 1 = ESF (24 Multi Frame)		0
03	**Zero Code Suppression**	0 = B8ZS 1 = AMI/ZCS		0
04	**Line Length Selection**	0 = 0 feet ~ 133 feet 1 = 133 feet ~ 266 feet 2 = 266 feet ~ 399 feet 3 = 399 feet ~ 533 feet 4 = 533 feet ~ 655 feet		0
05	**T1 Clock Source**	0 = Internal 1 = External		1

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Item No.	Item	Input Data	Description	Default
06	**Number of Ports**	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports		0

For VoIPDB PKG Setup

Physical Port Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**Trunk Logical Port Number**	1 ~ 84	0
02	**Trunk Type**	1 = SIP	1

Program

10

Conditions

• When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it, or redefine the type manually.

• The system must have a unit installed to view/change the options for that type of unit.

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-04 : Music On Hold Setup

Level:
IN

Program

10

Description

Use **Program 10-04 : Music on Hold Setup** to set the Music on Hold (MOH) source. For internal Music on Hold, the system can provide a service tone callers on hold or one of eleven synthesized selections.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Music on Hold Source Selection**	0 = Internal MOH 1 = External MOH 2 = Service Tone 3 = VMDB	• Internal Music Tune - The tune is set by Program 10-04-02. • External Source - ACI input via audio connector (J421) (Program10-60-01). • Silence - Callers on hold hear silence.	1 (V1.5 Changed)
02	**Music on Hold Tone Selection**	[In case Item 1 is 0.] 1 = Download File1 2 = Download File2 3 = Download File3 [In case Item 1 is 1, 2, or 3.] 1 ~ 100 = VRS Message Number	Download File1 : Farewell Song (by Chopin) Download File2 : Die Forelle (by F. Schubert) Download File3 : Plaisir d'amour (by J.P.E.Martini)	1
03	**Audio Gain Setup**	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

• Background Music
• Music on Hold

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Program 10 : System Configuration Setup

10-08 : Pre-Ringing Setup

Level:
IN

Description

Use **Program 10-08 : Pre-Ringing Setup** to enable or disable pre-ringing for trunk calls. This sets how a trunk initially rings a telephone. With pre-ringing, a burst of ringing occurs as soon as the trunk LED flashes. The call then continues ringing with the normal ring cadence cycle. Without pre-ringing, the call starts ringing only when the normal ring cadence cycle occurs. This may cause a ring delay, depending on when call detection occurs in reference to the ring cycle.

Input Data

Item No.	Item	Input Data	Default
01	**Pre-Ringing**	0 = No 1 = Yes	0

Conditions

• Used with Analog Trunks only.

Feature Cross Reference

• Central Office Calls, Answering

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Program 10 : System Configuration Setup

10-09 : DTMF and Dial Tone Circuit Setup

Level:
IN

Program

10

Description

Use **Program 10-09 : DTMF and Dial Tone Circuit Setup** to allocate the circuits on the CPU for either DTMF receiving or dial tone detection. The CPU has 16 circuits initially, and an additional 16 circuits are added when a VMDB is installed. By Adding EXIFE system can have up to 96. These are used as follows:

• Extension: DTMF receiver for single line telephone
• Trunk: DTMF receiver for analog trunks, dial tone & busy tone detection for analog trunks

Input Data

Circuit/Resource Number	01 ~ 96

Item No.	Item	Input Data	Default
01	**DTMF Dial Tone Detection**	0 = Common Use 1 = Extension Only 2 = Trunk Only	Resource 01 - 96 = 0 (Common) Resource 01 - 16 are Baic resource (only use Basic Board) Resource 17 - 32 are vmdb resource (only use Basic Board) Resource 33 - 64 are EXIFE1 resource (only use Expansion 1) Resource 65 - 96 are EXIFE2 resource (only use Expansion 2)

Conditions

• CPU has 16 Channel DSP resources (receivers) only for basic CPU Unit. VMDB has additional 16 DSP resources which you can add to CPU. Addition to that EXIFE also each has 32 DSP resource (receivers) only for expand unit

• In case of 0 (= Common) is selected, and if 14-02-10 (Caller ID receive ability) is set to "Yes", DSP resources are always allocated to analog trunk only, not for analog extension. If 14-02-10 is set to "No", the DSP resources can be used for both analog trunk and analog extension commonly.

Feature Cross Reference

• Caller ID
• Central Office Calls, Placing
• Direct Inward Dialing (DID)
• Direct Inward System Access (DISA)

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Program 10 : System Configuration Setup

10-12 : CPU Network Setup

Level:
SA

Description

Use **Program 10-12 : CPU Network Setup** to setup the IP Address, Subnet-Mask, and Default
Gateway addresses.

Caution!
If any IP Address or NIC settings are changed, the system must be reset for the changes to take affect.

Program

10

Input Data

Item No.	Item	Input Data	Description	Default
01	**IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set for CPU.	192.168.0.10
02	**Subnet Mask**	128.0.0.0 | 192.0.0.0 | 224.0.0.0 | 240.0.0.0 | 248.0.0.0 | 252.0.0.0 | 254.0.0.0 | 255.0.0.0 | 255.128.0.0 | 255.192.0.0 | 255.224.0.0 | 255.240.0.0 | 255.248.0.0 | 255.252.0.0 | 255.254.0.0 | 255.255.0.0 | 255.255.128.0 | 255.255.192.0 | 255.255.224.0 | 255.255.240.0 | 255.255.248.0 | 255.255.252.0 | 255.255.254.0 | 255.255.255.0 | 255.255.255.128 | 255.255.255.192 | 255.255.255.224 | 255.255.255.240 | 255.255.255.248 | 255.255.255.252 | 255.255.255.254 | 255.255.255.255 |	The setting of Subnet Mask is invalid when all Host Addresses are 0. If the network section is: 0, 127, 128.0, 191.255, 192.0.0, 223.255.255 The setting of Subnet Mask is invalid.	255.255.255.0
03	**Default Gateway**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	IP Address for Router.	0.0.0.0

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Item No.	Item	Input Data	Description	Default
04	**Time Zone**	0~24 (0 = -12 Hours and 24 = +12 Hours)	Determine the offset from Greenwich Mean Time (GMT) time. Then enter its respective value. For example, Eastern Time (US and Canada) has a GMT offset of -5. The program data would then be 7 (0 = - 12, 1 = - 11, 2 = - 10, 3 = - 9, 4 = - 8, 5 = - 7, 6 = - 6, 7 = - 5, : 24 = + 12)	07
05	**NIC Interface**	0 = Auto Detect 1 = 100Mbps, Full Duplex 2 = 100Mbps, Half Duplex 3 = 10Mbps, Full Duplex 4 = 10Mbps, Half Duplex	NIC Auto Negotiate (CPU)	0
06	**Network Address Port Translation (NAPT) Router Setup**	0 = No (Disable) 1 = Yes (Enable)	If using an external NAPT Router or not.	0
07	**NAPT Router IP Address(Default Gateway [WAN])**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set the IP address on the WAN side of router.	0.0.0.0
08	**ICMP Redirect**	0= NO, Signaling packets will follow the ICMP redirect message. 1= YES, Signaling packets will NOT follow the ICMP redirect message.	When receiving ICMP redirect message, this determines if the IP Routing Table updates automatically or not.	0
09	**IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set for VoIPDB.	172.16.0.10

Program

10

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Item No.	Item	Input Data	Description	Default
10	**Subnet Mask**	128.0.0.0 | 192.0.0.0 | 224.0.0.0 | 240.0.0.0 | 248.0.0.0 | 252.0.0.0 | 254.0.0.0 | 255.0.0.0 | 255.128.0.0 | 255.192.0.0 | 255.224.0.0 | 255.240.0.0 | 255.248.0.0 | 255.252.0.0 | 255.254.0.0 | 255.255.0.0 | 255.255.128.0 | 255.255.192.0 | 255.255.224.0 | 255.255.240.0 | 255.255.248.0 | 255.255.252.0 | 255.255.254.0 | 255.255.255.0 | 255.255.255.128 | 255.255.255.192 | 255.255.255.224 | 255.255.255.240 | 255.255.255.248 | 255.255.255.252 | 255.255.255.254 | 255.255.255.255 |	Set for VoIPDB.	255.255.0.0
11	**NIC Setup**	0 = Auto Detect 1 = 100 Mbps, Full Duplex 3 = 10 Mbps, Full Duplex 5 = 1 Gbps, Full Duplex	Set for VoIPDB.	0

Program

10

Conditions

• The system must be reset for these changes to take affect.

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-13 : In-DHCP Server Setup

Level:
SA

Program

10

Description

Use **Program 10-13 : In-DHCP Server Setup** to setup the DHCP Server built into the CPU.

Input Data

Item No.	Item	Input Data	Description	Default
01	**DHCP Server Mode**	0 = Disable 1 = Enable	Enable or disable the use of the built-in DHCP Server. This program cannot be enabled if PRG10-63-01 is enabled.	0
02	**Lease Time**	Days 0 ~ 255	Lease Time of the IP address to a client. *Pressing the* **Hold** *Key increments to the next setting data.*	0 day
		Hour 0 ~ 23		0 hour
		Minutes 0 ~ 59		30 minutes
05	**Last DHCP Data**	0 = Disable 1 = Enable	If 10–13–01 is enabled, this setting determines if DHCP resource is enabled or disabled.	1

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-14 : Managed Network Setup

Level:
SA

Description

Use **Program 10-14 : Managed Network Setup** to set up the range of the IP address which the DHCP Server leases to a client.

Program

10

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**The Range of the IP address to Lease.**	Minimum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	When Maximum has not been entered, the maximum value equals the minimum value.	172.16.0.100	10-13-04
		Maximum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.5.254	

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-15 : Client Information Setup

Level:
SA

Program

10

Description

Use **Program 10-15 : Client Information Setup** to set up the client information when the DHCP server needs to assign a fixed IP address to clients.

Input Data

Client Number	1 ~ 16

Item No.	Item	Input Data	Description	Default
01	**MAC Address**	MAC : 00-00-00-00-00-00 ~ FF-FF-FF-FF-FF-FF		00-00-00-00-00-00
	IP Address	1.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254	The IP address should be assigned out of the scope range set up in Program 10-14.	0.0.0.0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-16 : Option Information Setup

Level:
SA

Program

10

Description

Use **Program 10-16 : Option Information Setup** to set up the option given from the DHCP server to each client.

✎ *The items highlighted in gray are read only and cannot be changed.*

Input Data

Item No.	Item	Input Data	Description	Default
01	**Router**	Code number 0 ~ 255	Set the Router IP address.	3 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
02	**DNS Server**	Code number 0 ~ 255	Set IP address of DNS Server.	6 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
03	**TFTP Server**	Code number 0 ~ 255	Set the name for the TFTP Server.	66 (Fixed)
		Maximum 64 character strings		No setting
05	**MGC**	Code number 0 ~ 255		129 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.0.10
06	**Client Host Name**	Code number 0 ~ 255	Set the Client Host Name.	12 (Fixed)
		Maximum 64 character strings		No setting
07	**DNS Domain Name**	Code number 0 ~ 255	Set the DNS Domain Name.	15 (Fixed)
		Maximum 20 character strings		No setting
08	**Download Protocol**	Code number 0 ~ 255	Set Download Protocol used for AutoConfig (for DR700 Series).	43 (Fixed)
		Sub code number		163 (Fixed)
		1 = FTP 2 = HTTP		1
09	**Encryption Information**	Code number 0 ~ 255	Set an Encryption Information used for AutoConfig (for DR700 series).	43 (Fixed)
		Sub code number		164 (Fixed)
		Maximum 128 character strings		No setting

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Item No.	Item	Input Data	Description	Default
10	**FTP Server Address**	Code number 0 ~ 255	Set a FTP Server Address used for AutoConfig.	43 (Fixed)
		Sub code number		141
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
11	**Config File Name**	Code number 0 ~ 255	Set a File Name used for AutoConfig.	43 (Fixed)
		Sub code number		151
		Maximum 15 character strings		No setting
12	**Vender Class ID**	Code number 0 ~ 255		60 (Fixed)
		Maximum 256 character strings		NEC DR700
13	**SNMP Server**	Code number 0 ~ 255		69 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
14	**POP3 Server**	Code number 0 ~ 255		70 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
16	**SIP Server (IP Address)**	Code number 0 ~ 255		120 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.0.10
17	**SIP Server (Domain Name)**	Code number 0 ~ 255	If there is setting in 10-16-16 this setting will be ignored	120 (Fixed)
		Maximum 20 character strings		No setting
18	**FTP Server**	Code number 0 ~ 255		141 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
19	**Config File Name**	Code number 0 ~ 255		151 (Fixed)
		Maximum 15 character strings		No setting
20	**LDS Server 1**	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
21	**LDS Server 2**	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
22	**LDS Server 3**	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0

Program

10

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Item No.	Item	Input Data	Description	Default
23	**LDS Server 4**	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
24	**Next Server IP Address**	IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
27	**SIP Server Receive Port**	Code number 0 ~ 255		168 (Fixed)
		Port: 1 ~ 65535		5080

Program

10

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-19 : VoIPDB DSP Resource Selection

Level:
IN

Program

10

Description

Use **Program 10-19 : VoIPDB DSP Resource Selection** to define the criteria for each DSP resource on the VoIPDB unit.

Input Data

DSP Resource Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**VoIPDB DSP Resource Selection**	0 = Common use for both IP extensions and trunks 1 = Use for IP extensions 2 = Use for SIP trunks 3 = User for Networking (V1.5 Added) 5 = Blocked 6 = Common without unicast paging 7 = Multicast paging 8 = Unicast paging	Resource 1 = 1 Resource 2 ~ 32 = 0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-20 : LAN Setup for External Equipment

Program

10

Description

Use **Program 10-20 : LAN Setup for External Equipment** to define the TCP port/address/etc. for communicating to external equipment.

Input Data

Type of External Equipment	1 = CTI Server 4 = Networking System (V1.5 Added) 5 = SMDR Output 6 = DIM Output 9 = 1st Party CTI 11 = O&M Server 12 = Traffic Report Output 13 = Room Data Output for Hotel Service

Item No.	Item	Input Data	Default
01	**TCP Port**	0 ~ 65535	External Device 1 (CTI Server) = 0 External Device 4 (Networking System) = 3000 (V1.5 Added) External Device 5 (SMDR Output) = 0 External Device 6 (DIM Output) = 0 External Device 9 (1st Party CTI) = 0 External Device 11 (O&M Server) = 8010 External Device 12 (Traffic Report Output) = 0 External Device 13 (Room Data Output for Hotel Service) = 0
03	**Keep Alive Time**	1 ~ 255 seconds	30 seconds

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-23 : SIP System Interconnection Setup

Level:

SA

Program

10

Description

Use **Program 10-23 : SIP System Interconnection Setup** to determine if the system is interconnected and define the IP address of another system, call control port number and alias address for SL1100 system interconnection.

Input Data

System Number	001 ~ 1000

Item No.	Item	Input Data	Default
01	**System Interconnection**	0 = No (Disable) 1 = Yes (Enable)	0
02	**IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
03	**Call Control Port**	Read Only: 1 ~ 65535	1720
04	**Dial Number**	Up to 12 digits (0 ~ 9)	No Setting

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-24 : Daylight Savings Setup

Program

10

Description

Use **Program 10-24 : Daylight Savings Setup** to set the options for daylight savings. As the telephone system is used globally, these settings define when the system should automatically adjust for daylight savings as it applies to the region in which the system is installed.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Daylight Savings Mode**	0 = Disable 1 = Enable	Enable (1) or disable (0) the system ability to adjust the time for daylight savings/ standard time.	1
02	**Time for Daylight Savings**	00 : 00 ~ 23 : 59	Enter the time of day when the system should adjust for daylight savings time.	02 : 00
03	**Start Month (Summer Time)**	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for daylight savings time (01 ~ 12).	3
04	**Start of Week**	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the system should adjust the time for daylight savings time. The week will start on the day listed in 10-24-05.	2
05	**Start of Week Day**	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1
06	**End of Month**	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for standard time (01 ~ 12).	11
07	**End of Week**	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the system should adjust the time for standard time. The week will start on the Day listed in 10-24-08.	1
08	**End of Week Day**	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1

Conditions

None

Feature Cross Reference

• Clock/Calendar Display/Time and Date

Program 10 : System Configuration Setup

10-26 : IP System Operation Setup

Level:
IN

Program

10

Description

Use **Program 10-26 : IP System Operation Setup** to enable or disable the Peer to Peer feature for SIP MLT and SIP IP stations.

Input Data

Item No.	Item	Input Data	Default
02	**RTP Forwarding Mode**	0 = Disable 1 = Enable	0
03	**SIP Peer to Peer Mode**	0 = Off 1 = On	1
04	**DR700 Peer to Peer Mode**	0 = Off 1 = On	1

Conditions

• Disabling 10-26-04 results in SIP MLT Station-to-SIP MLT Station calls using a DSP resource.
• SIP-to-SIP MLT Station does not support Peer to Peer function and will result in using a DSP resource.
• Disabling 10-26-03 results in SIP IP Station-to-SIP IP Station calls using a DSP resource.

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-27 : IP System ID

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 10-27 : IP System ID** to set the IP address of the networked IP systems.

Input Data

Item No.	Item	Input Data	Description	Default
01	**IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	System ID is related with the System ID in the Numbering Plan (Program 11-01-03). When the digits are analyzed and the system ID is determined from the System data set in the Numbering Plan, the networking call is sent to the IP Address set in this Program. The IP Address should be the IP Address of the peer CPU (Program 10-12-01).	0.0.0.0
02	**Call Procedure Port**	1 ~ 65535	The Port Number should be set with the same value as the H.225 setup port in Program 84-02-33.	1730

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-28 : SIP System Information Setup

Level:
SA

Description

**Program
10**

Use **Program 10-28 : SIP System Information Setup** to set up basic SIP trunking.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Domain Name**	Up to 64 Characters (ex. : UserID@Host-Name.DomainName)	Set the domain name of the SIP-URL.	None
02	**Host Name**	Up to 48 Characters (ex. : UserID@Host-Name.DomainName)	Set the host name of the SIP-URL.	None
03	**Transport Protocol**	0 = UDP 1 = TCP	Set the protocol for the connection.	0
04	**UserID**	Up to 32 Characters When assigning the User ID, the ID may contain only alpha characters. (A space and/or special characters are not allowed in the User ID field). (ex. : UserID@Host-Name.DomainName)	User ID in the SIP Invite Setup message. Use it for outbound caller ID information if no information is assigned in commands 21-17, 21-19, 15-16, 14-12 and 10-36. A call cannot be completed across the span if there is no outbound CID info. The reason for this is: the from and display portion of the invite message would be blank, and it would not know where the call originated from.	None
05	**Domain Assignment**	0 = IP Address 1 = Domain Name	If the information from Telco was a domain name (siptrunk@sip.com) then set to domain. If the information for Telco was a IP address then set to IP Address.	0
06	**IP Trunk Port Binding**	0 = Disable 1 = Enable	Trunk port binding is only used for SIP trunks to the provider in Non-Registration Mode only. When this is disabled, an inbound call comes in and follows your DID routing but it comes in on the first available trunk. When enabled, the inbound call comes in and follows your normal DID routing but maps to that specified trunk. If that trunk is busy, it sends back a busy unless you build a hunt group. To build the hunt group, it references command 14-12-02 (pilot register ID). This then points you to command 10-36-02. All the numbers with the same pilot are in the same hunt group.	0

Conditions

None

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Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-29 : SIP Server Information Setup

Level:
SA

Description

Program 10

10

Use **Program 10-29 : SIP Server Information Setup** to define the SIP Proxy setup for outbound/inbound. The 10-29 commands are not used in non-registration mode.

> 🖉 *If entries are made in Program 10-29-xx for a SIP Server and the SIP Server is then removed or not used, the entries in Program 10-29-xx must be set back to their default settings. Even if 10-29-01 is set to 0 (off), the system still checks the settings in the remaining 10-29 programs.*

Input Data

Item No.	Item	Input Data	Description	Default
01	**Default Proxy (Out-bound)**	0 = Off 1 = On	This sets whether the SIP message is al-ways sent through the Default Proxy.	0
02	**Default Proxy (In-bound)**	0 = Off 1 = On	Need to be registered in registration mode. This sets whether the SIP message is al-ways received through the Default Proxy.	0
03	**Default Proxy IP Ad-dress**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	This is optional and used if the provider gives you a proxy address that is different than the registration address. If the provid-er is using domain names instead of IP ad-dresses, leave this at default.	0.0.0.0
04	**Default Proxy Port Number**	0 ~ 65535	The port number of the Default Proxy is set.	5060
05	**Registrar Mode**	0 = None 1 = Manual	The mode registered in the registration server is set.	0
06	**Registrar IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	IP address of the SIP registration server is set.	0.0.0.0
07	**Registrar Port Num-ber**	0 ~ 65535	The port number of the SIP registration server is set.	5060
08	**DNS Server Mode**	0 = Off 1 = On	This setting determines if the DNS server is used.	0
09	**DNS Server IP Ad-dress**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	If 10-29-08 is 1, this is effective. This sets the IP address of the DNS server.	0.0.0.0
10	**DNS Port Number**	0 ~ 65535	If 10-29-08 is 1, this is effective. This sets the port number of the DNS server.	53
11	**Registrar Domain Name**	Up to 128 Characters	This sets the domain name of the registra-tion server.	None

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Item No.	Item	Input Data	Description	Default
12	**Domain Name**	Up to 64 Characters	This specifies the domain name of the SIP server.	None
13	**Proxy Host Name**	Up to 48 Characters	This specifies the host name of the SIP server.	None
14	**SIP Carrier Choice** (V1.5 Changed)	0 ~ 26 1 = Carrier A 2 = Carrier B : 7 = Carrier G 8 = Carrier H : 26 = Carrier Z	This selects the carrier type of the SIP server. When Carrier A, B, or C is selected in PRG10-29-14, PRG10-29-16 Register Sub Mode is set "On" automatically.	0
15	**Registration Expiry (Expire) Time**	120 ~ 65535 seconds	This sets the expiration time when the SIP trunk registers to the Sip server. When half the time set here passes, the registration update is automatically done.	3600
16	**Register Sub Mode**	0 = Off (Allow invalid Invite message) 1 = On (Deny invalid Invite message)	Prevents an invalid Invite message. If the "register information that system send to SIP server" and the "Invite information that system receive" are different, system sends "404 Not Found" message. If PRG10-29-05 Register Mode is 0; Off, it is necessary to set 0; Off in PRG10-29-16.	0
17	**DNS Source Port**	0 ~ 65535	(10-29-08 must be On) This sets the DNS source port number.	53

Program

10

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-30 : SIP Authentication Information Setup

Level:
IN

Program

10

Description

Use **Program 10-30 : SIP Authentication Information Setup** to set the authentication options for SIP trunks.

Input Data

Item No.	Item	Input Data	Description	Default
02	**User Name**	Up to 64 Characters	This sets the user name of the SIP trunk.	None
03	**Password**	Up to 32 Characters	This sets the SIP trunk password.	None
04	**Authentication Trial**	0 ~ 9	This is how many times it will try an authenticate before timing out and not registering.	1

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-31 : Network Keep Alive Setup

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 10-31 : Network Keep Alive Setup** to set the interval and retry count of the AspireNet networking keep alive message. The keep alive is used for ISDN and IP networking.

The keep alive message is automatically responded to by the destination system, if the response is not received the retry count will start. If a response is not received within the number of retries, the networking link will be taken out of service.

When the link is taken out of service:
- Any calls that are in progress will be released.
- Park Hold orbits will be released.
- No further Park Hold information will be sent until the link is active.

The link will automatically become active when the next keep alive response is received.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Keep Alive Interval**	0 ~ 65535 seconds	This program is used to set the interval of the Keep Alive timer. The system does not send Keep Alive when this item is set to 0.	0
02	**Keep Alive Retry Timer**	1 ~ 255	Set how many times the system resends Keep Alive.	5

Conditions

- The Keep Alive message must be sent and a response not received for the retry count, for the link to be taken out of service and the calls in progress and Park Hold ordits to be released.

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-33 : SIP Registrar/Proxy Information Basic Setup

Level:
IN

Program

10

Description

Use **Program 10-33 : SIP Registrar/Proxy Information Basic Setup** to set the registrar/proxy options for SIP extensions.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Registration Expire Time**	60 ~ 65535	After this time expires, the UA's are forced to reregister with the CPU. This allows the CPU to keep a current location of the entire end UA's.	3600
02	**Authentication Mode**	0 = Disable 1 = Enable	Check here if a password is desired for the IP SIP phones to register. When checked, 15-05-16 must have a password entered and also the SIP phone must have the same password. When using Authentication, the station number is the authorization name.	0
03	**Registrar/Proxy Domain Name**	Up to 64 Characters	Set the domain name of the SIP proxy.	None
04	**Registrar/Proxy Host Name**	Up to 48 Characters	Set the domain name of the SIP proxy.	None

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-36 : SIP Trunk Registration Information Setup

Level:
IN

Description

Use **Program 10-36 : SIP Trunk Registration Information Setup** to set the SIP trunk registration information.

Input Data

Register ID	1 ~ 31

Item No.	Item	Input Data	Description	Default
01	**Registration**	0 = Disable 1 = Enable	This setting determines if the SIP trunk information is registered.	0
02	**User ID**	Up to 32 Characters	This sets the SIP trunk User ID.	None
03	**Authentication User ID**	Up to 64 Characters	This sets the SIP trunk Authentication User ID.	None
04	**Authentication Password**	Up to 32 Characters	This sets the SIP trunk authentication password.	None

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-37 : UPnP Setup

Level:
IN

Program

10

Description

Use **Program 10-37 : UPnP Setup** to set the UPnP (Universal Plug and Play) options for SIP trunks.

Input Data

Item No.	Item	Input Data	Description	Default
01	**UPnP Mode**	0 = Disable 1 = Enable	✏️ *Router must support UPnP.*	0
02	**Retry Time**	0, 60 ~ 3600 (1 ~ 59 cannot be input)	Set interval time to re-check the Router for the WAN IP address. When this set as 0 it will not retry.	60

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-39 : Fractional Setup

Level:
IN

Program

10

Description

Use **Program 10-39 : Fractional Setup** to enable or disable the ability to use fractional T1 or PRI.

Input Data

Item No.	Item	Input Data	Default
01	**Fractional**	0 = Disable 1 = Enable	0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-40 : IP Trunk Availability

Level:
IN

Program

10

Description

Use **Program 10-40 : IP Trunk Availability** to enable or disable the ability to use SIP trunks and assign the number of ports if IP Trunk is enabled.

Input Data

Slot Number	0

Item No.	Item	Input Data	Default
01	**IP Trunk Availability**	0 = Disable 1 = Enable	0
02	**Number of Ports**	0 ~ 32 (Port) ✎ *SIP trunks are assigned in increments of two. Please note that if odd port number is set it will use 1 extra port. (V2.0 Changed)*	0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-42 : Virtual Loop Back Port Setting

Level:
IN

Description

Use **Program 10-42 : Virtual Loop Back Port Setting** to set the data for the Virtual Loop Back Port.

Input Data

Item No.	Item	Input Data	Default
01	**Number of Loop Back Ports**	0 ~ 30 (0 = No setting)	0
02	**Logical Trunk Port Number**	Read Only: 1 ~ 84	0
03	**Logical Station Port Number**	Read Only: 1 ~ 84	0
04	**Layer 3 Timer Type**	1 ~ 5	1
05	**Calling Party Number**	0 = No 1 = Yes	1
06	**S-point DDI digits**	0 ~ 4	0
07	**Call Busy Mode for S-point**	0 = Alerting Message 1 = Disconnect Message	0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-45 : IP Routing Table Setup

Level:

SA

Program

10

Description

Use **Program 10-45 : IP Routing Table Setup** to set up the IP Routing Table.

Input Data

Routing Table Number	001 ~ 100

Item No.	Item	Input Data	Default
01	**Network Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.0 ~ 191.255.255.254 192.0.0.0 ~ 223.255.255.254	0.0.0.0
02	**Subnet Mask**	128.0.0.0 | 192.0.0.0 | 224.0.0.0 | 240.0.0.0 | 248.0.0.0 | 252.0.0.0 | 254.0.0.0 | 255.0.0.0 | 255.128.0.0 | 255.192.0.0 | 255.224.0.0 | 255.240.0.0 | 255.248.0.0 | 255.252.0.0 | 255.254.0.0 | 255.255.0.0 | 255.255.128.0 | 255.255.192.0 | 255.255.224.0 | 255.255.240.0 | 255.255.248.0 | 255.255.252.0 | 255.255.254.0 | 255.255.255.0 | 255.255.255.128 | 255.255.255.192 | 255.255.255.224 | 255.255.255.240 | 255.255.255.248 | 255.255.255.252 | 255.255.255.254 | 255.255.255.255 |	0.0.0.0
03	**Default Gateway**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-46 : DR700 Server Information Setup

Level:
IN

Program

10

Description

Use **Program 10-46 : DR700 Server Information Setup** to set up the information of DR700 Server.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Register Mode**	0 = Normal 1 = Auto 2 = Manual	**Normal:** When the phone boots up, it reports the ext. assigned in the phone or chooses the next available extension in the system. Password is not required. **Auto:** If set to Auto, the SIP user name and password must be entered on the actual IP phone. These settings must match 84-22/15-05-27, or the phone does not come on-line. **Manual:** When the phone boots up, it prompts user to enter a user ID and password before logging in. It checks this user ID/password against 84-22/15-05-27. If there is no match, the phone does not come online.	0	
04	**Server Name**	Up to 32 characters	Assign the Server name to be used in the SIP URL.	sipphd	
06	**Register Port**	0 ~ 65535	Assign the port number in which the SIP messages are sent to on the VoIPDB. This same port number must be assigned in the SIP Multiline terminals. If this command is changed, it requires a CPU reset.	5080	
07	**Encryption Mode**	0 = Off 1 = On		0	
08	**Encryption Type**	Read Only: 0 = Mode 1		0	
09	**One Time Password**	Up to 10 characters (0 ~ 9, ∗, #)		None	10-46-07
10	**Start Port**	1 ~ 84		1	10-46-01
11	**Multicast IP Address**	224.0.0.0 ~ 239.255.255.255	This sets the Multicast IP address so that two or more main devices don't overlap on the same network, or if Multicast is used by other IP services.	224.0.0.10	
12	**Multicast Port**	0 ~ 65535		30000	

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Item No.	Item	Input Data	Description	Default	Related Program
13	**Subscribe Session Port**	0 ~ 65535		5081	
14	**NAT Mode**	0 = Off 1 = On	When the system controls the SIP multiline terminal via the NAT router, this system data is set to On.	0	

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-48 : License Activation

Level:
IN

Program

10

Description

Use **Program 10-48 : License Activation** to turn on the license issued from the license server.

Input Data

Item No.	Item	Input Data	Default
01	**Software Key Code**	20-digit character	None
02	**Activation Code**	8-digit hexadecimal number	None
03	**Feature Code**	7-digit number	None

Conditions

The Key Operation for input item 03 is as follows;

Hold Key	Edit next feature code • Up to 10 feature code is possible to input at once. • Register the license when 10th feature code is edited.
Soft Key2 (Back)	Edit previous feature code
Soft Key3 (Submit)	Register the license

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-49 : License File Activation

Level:
IN

Program

10

Description

Use **Program 10-49 : License File Activation** to enable the command to save the license file via CF Card which is issued from the license server.

Input Data

Item No.	Item	Input Data
01	**Save License File on CF Card**	Dial **1** + **Hold** (Press **Hold** to cancel.)

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-50 : License Information

Level:
IN

Description

Use **Program 10-50 : License Information** to confirm license information that is stored in a system.

Input Data

Feature Code Number	000 ~ 9999

Item No.	Item	Input Data	Default
01	**License Name**	None	-
02	**License Quantity**	Read Only: 0 ~ 32767	-
03	**Campaign License Quantity**	Read Only: 0 ~ 32767	-
04	**Campaign License Remaining Days**	Read Only: 0 ~ 9999	-

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-51 : PRI/T1 Selection of PRI

Level:
IN

Description

Use **Program 10-51 : PRI/T1 Selection of PRI** to select whether the unit works as PRI or T1.

Input Data

Slot Number	01 ~ 12 (V1.5 Changed)

Item No.	Item	Input Data	Description	Default
01	**PRI/T1 Selection**	0 = PRI 1 = T1	Chose whether the unit works as PRI or T1.	0 = PRI

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-52 : Free/Demo License Information

Level:
IN

Program

10

Description

Use **Program 10-52 : Free/Demo License Information** to display information on free of charge/Demo license.

Input Data

Item No.	Item	Description
01	**Remaining days of Free/Demo License**	Read Data: 0 ~ 9999

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-54 : License Configuration for Each Package

Level:
IN

Program

10

Description

Use **Program 10-54 : License Configuration for Each Package** to set the license information for each unit.

Input Data

Slot Number	0 ~ 9

License Index Number	1 ~ 32

Item No.	Item	Input Data	Default
01	**License Code**	0000 ~ 9999	No Setting
02	**License Quantity**	0 ~ 255	0

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-58 : Network Address

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 10-58 : Network Address** to set the local network address when the SIP multiline terminal connects the system via a local router.

Input Data

Area Table	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Network Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Sets local network address.	0.0.0.0	10-46-14
02	**Subnet Mask**	248.0.0.0 / 252.0.0.0 / 254.0.0.0 / 255.0.0.0 255.128.0.0 / 255.192.0.0 / 255.224.0.0 255.240.0.0 / 255.248.0.0 / 255.252.0.0 255.254.0.0 / 255.255.0.0 / 255.255.128.0 255.255.192.0 / 255.255.224.0 255.255.240.0 / 255.255.248.0 255.255.252.0 / 255.255.254.0 255.255.255.0 / 255.255.255.128 255.255.255.192 / 255.255.255.224 255.255.255.240 / 255.255.255.248 255.255.255.252 / 255.255.255.254	Sets local subnet mask.	0.0.0.0	10-46-14

Conditions

None

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Feature Cross Reference

None

Program

10

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Program 10 : System Configuration Setup

10-60 : Audio Port Setup

Level:
IN

Program

10

Description

Use **Program 10-60 : Audio Port Setup** to defines which audio port on the 084M packages are used for BGM/External MOH.

Input Data

Audio Port Number	1 = BGM 2 = External MOH

Item No.	Item	Input Data	Default
01	**Slot No.**	0, 1, 4, 7	Audio Port1 (BGM) : 0 (V1.5 Changed) Audio Port2 (External MOH) : 1 (V1.5 Changed)

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-61 : Relay Port Setup

Level:
IN

Program

10

Description

Use **Program 10-61 : Relay Port Setup** to defines the relay port type on the 084M.

Input Data

Relay Port No.	1 ~ 6

Item No.	Item	Input Data	Default
01	**Relay Type**	0 = No setting 1 = External MOH 2 = BGM resource 3 = External Speaker 4 = Door Phone	0
02	**Destination Selection**	10-61-01 = 1 or 2 : Not Use 10-61-01 = 3 : 1 ~ 3 External Speaker Message No. 10-61-01 = 4 : 1 ~ 6 Door Phone No.	0 (Not Used)

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-62 : NetBIOS Setting

Level:
IN

Description

Use **10-62 : NetBIOS Setting** to set the data of NetBIOS.

Input Data

Item No.	Item	Input Data	Description	Default
01	**NetBIOS Mode**	0 = Disabled 1 = Enabled		1
02	**NetBIOS Name**	Maximum 15 characters	*Please avoid using Space between the words. Also when you create name please use all upper letters.*	SL1100

Conditions

None

Feature Cross Reference

None

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Program 10 : System Configuration Setup

10-63 : DHCP Client Setting

Level:
IN

Description

Use **10-63 : DHCP Client Setting** to set the data of DHCP Client.

Input Data

Item No.	Item	Input Data	Description	Default
01	**DHCP Client Mode**	0 = Disabled 1 = Enabled	If you are using IP phones/trunks it is recommended to not use the DHCP client function, a static IP address would be preferred. If you are going to still use the DHCP client function then the DHCP server should be setup so that the same IP address is always provided to the system. ✎ *When changing this program a system reset is required.*	1

Conditions

None

Feature Cross Reference

None

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Program 11 : System Numbering

11-01 : System Numbering

Level:
IN

Description

Use **Program 11-01 : System Numbering** to set the system numbering plan. The numbering plan assigns the first and second digits dialed and affects the digits an extension user must dial to access other extensions and features, such as service codes and trunk codes. If the default numbering plan does not meet the site requirements, use this program to tailor the system numbering to the site.

Caution!
Improperly programming this option can adversely affect system operation. Make sure you thoroughly understand the default numbering plan before proceeding. If you must change the standard numbering, use the chart for Table 2-1 System Numbering Default Settings on page 2-54 to keep careful and accurate records of your changes. Before changing your numbering plan, use PC Pro to make a backup copy of your system data.

Changing the numbering plan consists of three steps:

Step 1 : Enter the digit (s) you want to change

You can make either single or two digit entries. In the Dialed Number column in the Table 2-1 System Numbering Default Settings on page 2-54, the nX rows (e.g., 1X) are for single digit codes. The remaining rows (e.g., 11, 12, etc.) are for two digit codes.

*   Entering a single digit affects all the Dialed Number entries beginning with that digit. For example, entering 6 affects all number plan entries beginning with 6. The entries you make in step 2 and step 3 below affect the entire range of numbers beginning with 6. (For example, if you enter 3 in step 2 the entries affected are 600 ~ 699. If you enter 4 in step 2 below, the entries affected are 6000 ~ 6999.)

*   Entering two digits lets you define codes based on the first two digits a user dials. For example, entering 60 allows you to define the function of all codes beginning with 60. In the default program, only ∗ and # use 2-digit codes. All the other codes are single digit. If you enter a two digit code between 0 and 9, be sure to make separate entries for all the other two digit codes within the range as well. This is because in the default program all the two digit codes between 0 and 9 are undefined.

> 🖉 *Defining codes based on more than 2 digits require a secondary program (Program 11-20) to define the codes.*

Step 2 : Specify the length of the code you want to change

After you specify a single or two digit code, you must tell the system how many digits comprise the code. This is the **Number of Digits Required** column in the Table 2-1 System Numbering Default Settings on page 2-54.

Step 3: Assign a function to the code selected

After entering a code and specifying its length, you must assign its function. This is the Dial Type column in the Table 2-1 System Numbering Default Settings on page 2-54. The choices are:

Dial Types	Dial Type Description	Related Program	Note
0	**--- Not Used ---**		

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Dial Types	Dial Type Description	Related Program	Note
1	**Service Code**	11-10 : Service Code Setup (for System Administrator) on page 2-65 11-11 : Service Code Setup (for Setup/Entry Operation) on page 2-68 11-12 : Service Code Setup (for Service Access) on page 2-72 11-14 : Service Code Setup (for Hotel) on page 2-77 11-15 : Service Code Setup, Administrative (for Special Access) on page 2-79 11-16 : Single Digit Service Code Setup on page 2-81	
2	**Extension Number**	11-02 : Extension Numbering on page 2-60 11-04 : Virtual Extension Numbering on page 2-61 11-07 : Department Group Pilot Numbers on page 2-62	
3	**Trunk Access Code**	11-09-01 : Trunk Access Code	
4	**Special Trunk Access**	11-09-02 : Trunk Access Code	
5	**Operator Access**	20-17 : Operator Extension on page 2-190	
6	**F-Route Access**	44-xx	
8	**Networking Access (Network ID : 0 ~ 4)**		(V1.5 Added)
9	**Dial Extension Analyze**	11-20 : Dial Extension Analyze Table on page 2-84	

Program

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✎ *Changing the Dial Type for a range of codes can have a dramatic affect on how your system operates. Assume, for example, the site is a hotel that has room numbers from 100 ~ 399. To make extension numbers correspond to room numbers, you should use Program 11-02 to reassign extension numbers on each floor from 100 to 399. (Other applications might also require you to change entries in Program 11-10 ~ 11-16.)*

Default

See the following tables for default settings.

Table 2-1 System Numbering Default Settings

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used

Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
1X	3		2	
11	0		0	
12	0		0	
13	0		0	
14	0		0	
15	0		0	
16	0		0	
17	0		0	
18	0		0	
19	0		0	
10	0		0	
1*	0		0	
1#	0		0	

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Program

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Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
2X	3		2	
21	0		0	
22	0		0	
23	0		0	
24	0		0	
25	0		0	
26	0		0	
27	0		0	
28	0		0	
29	0		0	
20	0		0	
2∗	0		0	
2#	0		0	
3X	4		2	
31	0		0	
32	0		0	
33	0		0	
34	0		0	
35	0		0	
36	0		0	
37	0		0	
38	0		0	
39	0		0	
30	0		0	
3∗	0		0	
3#	0		0	
4X	3		1	
41	0		0	
42	0		0	
43	0		0	
44	0		0	
45	0		0	
46	0		0	
47	0		0	
48	0		0	
49	0		0	
40	0		0	

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Program

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Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
4∗	0		0	
4#	0		0	
5X	3		1	
51	0		0	
52	0		0	
53	0		0	
54	0		0	
55	0		0	
56	0		0	
57	0		0	
58	0		0	
59	0		0	
50	0		0	
5∗	0		0	
5#	0		0	
6X	3		1	
61	0		0	
62	0		0	
63	0		0	
64	0		0	
65	0		0	
66	0		0	
67	0		0	
68	0		0	
69	0		0	
60	0		0	
6∗	0		0	
6#	0		0	
7X	3		1	
71	0		0	
72	0		0	
73	0		0	
74	0		0	
75	0		0	
76	0		0	
77	0		0	
78	0		0	

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Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used

Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
79	0		0	
70	0		0	
7∗	0		0	
7#	0		0	
8X	1		1	
81	0		0	
82	0		0	
83	0		0	
84	0		0	
85	0		0	
86	0		0	
87	0		0	
88	0		0	
89	0		0	
80	0		0	
8∗	0		0	
8#	0		0	
9X	1		3	
91	0		0	
92	0		0	
93	0		0	
94	0		0	
95	0		0	
96	0		0	
97	0		0	
98	0		0	
99	0		0	
90	0		0	
9∗	0		0	
9#	0		0	
0X	1		3	
01	0		0	
02	0		0	
03	0		0	
04	0		0	
05	0		0	
06	0		0	

Program

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Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
07	0		0	
08	0		0	
09	0		0	
00	0		0	
0*	0		0	
0#	0		0	
*X	2		2	
*1	0		0	
*2	0		0	
*3	0		0	
*4	0		0	
*5	0		0	
*6	0		0	
*7	0		0	
*8	0		0	
*9	0		0	
*0	0		0	
**	0		0	
*#	0		0	
#X	0		0	
#1	2		1	
#2	2		1	
#3	2		1	
#4	2		1	
#5	2		1	
#6	2		1	
#7	2		1	
#8	2		1	
#9	2		1	
#0	2		1	
#*	4		1	
##	2		1	

Program

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Conditions

None

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Feature Cross Reference

- Flexible System Numbering

Program

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Program 11 : System Numbering

11-02 : Extension Numbering

Level:
IN

Program

11

Description

Use **Program 11-02 : Extension Numbering** to set the extension number. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20. This allows an employee to move to a new location (port) and retain the same extension number.

Input Data

Extension Port Number	001 ~ 100 (V2.0 or higher)

Item No.	Item	Input Data	Description	Default
01	**Extension Number**	**Dial (Up to 8 digits)**	Set up extension numbers for multiline telephones, single line telephones and IP telephones. ✏️ *Extension number assignments cannot be duplicated in Programs 11-02, and 11-07.*	Extension Port Number : Extension Number 001 ~ 084 : 101 ~ 184

Conditions

None

Feature Cross Reference

• Department Calling
• Flexible System Numbering
• Intercom

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Program 11 : System Numbering

11-04 : Virtual Extension Numbering

Level:
IN

Description

Use **Program 11-04 : Virtual Extension Numbering** to define the virtual extension numbers. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20.

Input Data

Virtual Extension Numbers	001 ~ 050

Item No.	Item	Input Data	Description	Default
01	**Extension Number**	**Dial (Up to 8 digits)**	Set up Virtual Extension numbers. *The extension number cannot be duplicated in Programs 11-02 and 11-07.*	Virtual Port Number : Extension Number 1 ~ 50 : No Setting

Conditions

None

Feature Cross Reference

• Flexible System Numbering

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Program 11 : System Numbering

11-07 : Department Group Pilot Numbers

Level:
IN

Program

11

Description

Use **Program 11-07 : Department Group Pilot Numbers** to assign a pilot number to each Department Group set up in Program 16-02. The pilot number is the number users dial for Department Calling and Department Step Calling. The pilot number can have up to eight digits. The first and second digits of the number should be assigned in Program 11-01 or Program 11-20 as type 2.

Input Data

Department (Extension) Group Number	01 ~ 32

Item No.	Item	Input Data	Description	Default	Related Program
01	**Extension Group Pilot Number**	**Dial (Up to 8 digits)**	Use this program to assign department group pilot numbers. The number set up by Program 11-02 (Extension Numbering) cannot be used. The extension number cannot be duplicated in Programs 11-02 and 11-07.	No Setting	• 16-01 : Department (Extension) Group Basic Data Setup • 16-02 : Department Group Assignment for Extensions • 16-03 : Secondary Department Group

Conditions

None

Feature Cross Reference

• Department Calling
• Department Step Calling

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Program 11 : System Numbering

11-09 : Trunk Access Code

Level:
IN

Program

11

Description

Use **Program 11-09 : Trunk Access Code** to assign the trunk access code. The trunk access code can be set from 1 ~ 4 digits which is defined to type 3 and 4 in Program 11-01. This is the code extension users dial to access Automatic Route Selection (ARS/F-Route). The Individual Trunk Access Code is used when Trunk Group Routing is desired for an outgoing line.

Caution!
The digit 9 is defined in Program 11-01 as Dial Type ( ) with the Number of Digits Required set to ( ). If you change the trunk access code in Program 11-09, you must make the corresponding changes in Program 11-01.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Trunk Access Code**	**Dial (Up to four digits)**	Use this program to assign the trunk access code. This is the code extension users dial to access Automatic Route Selection (ARS/F-Route).	9	• 11-01 : System Numbering • 14-01 ~ 07 : Basic Trunk Data Setup • 14-05 : Trunk Group • 14-06 : Trunk Group Routing • 21-02 : Trunk Group Routing for Extensions

Program

11

Item No.	Item	Input Data	Description	Default	Related Program
02	**2nd Trunk Route Access Code**	**Dial (Up to four digits)**	Use this program to define additional trunk access codes. When a user dials the Alternate Trunk Route Access Code, the system routes their call to the Alternate Trunk Route.	No Setting	• 11-01 : System Numbering • 14-01 ~ 07: Basic Trunk Data Setup • 14-05 : Trunk Group • 14-06 : Trunk Group Routing • 21-02 : Trunk Group Routing for Extensions • 21-15 : Individual Trunk Group Routing for Extensions

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)
- Central Office Calls, Placing
- Trunk Group Routing

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Program 11 : System Numbering

11-10 : Service Code Setup (for System Administrator)

Level:
IN

Description

Use **Program 11-10 : Service Code Setup (for System Administrator)** to customize the Service Codes for the System Administrator. You can customize additional Service Codes in Programs 11-11 ~ 11-16. The following chart shows:

• The number of each code (01 ~ 50).
• The function of the Service Code.
• The type of telephones that can use the Service Code.
• The default entry. For example, dialing item 26 allows users to force a trunk line to disconnect.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Night Mode Switching**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	718	12-xx 20-07-01
03	**Setting the System Time**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	728	
04	**Storing Common Speed Dialing Numbers**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	753	
05	**Storing Group Speed Dialing Numbers**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	754	
06	**Setting the Automatic Transfer for Each Trunk Line**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	733	24-04-01
07	**Canceling the Automatic Transfer for Each Trunk Line**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	734	24-04-01
08	**Setting the Destination for Automatic Trunk Transfer**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	735	24-04-01
09	**Charging Cost Display by the Supervisor**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	No setting	
11	**Entry Credit for Toll Restriction**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	No setting	
12	**Night Mode Switching for Other Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	618	12-xx 20-07-01

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Item No.	Item	Input Data	Description	Default	Related Program
16	Leaving Message Waiting (Requires CPU to be licensed for Hotel/Motel)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	626	11-11-09
17	Dial Block by Supervisor	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	601	90-19
18	Off-Premise Call Forward by Door Box	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	722	13-05
20	VRS - Record/ Erase Message	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Define Service Code for VRS message recording or erasing.	616	20-07-13
21	VRS - General Message Playback	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	611	20-07-14
22	VRS - Record or Erase General Message	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	612	20-07-15
23	SMDR - Extension Accumulated Printout Code	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	621	20-07-18
24	SMDR - Group Accumulated Printout Code	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	622	20-07-19
25	Account Code Accumulated Printout Code	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	623	20-07-20
26	Forced Trunk Disconnect	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	No setting	20-07-11
27	Trunk Port Disable for Outgoing Calls	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	645	20-07-12
32	Set Private Call Refuse	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	646	14-01-27 20-07-24
33	Entry Caller ID Refuse	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	647	20-07-25
34	Set Caller ID Refuse	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	748	14-01-27 20-07-25
35	Dial-In Mode Switching	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	609	20-07-26
41	Date Setting	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	789	20-07-30
42	Maintenance Service	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	643	
43	VRS Incoming	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	778	13-04 15-02-55
44	Cutting the telephone power	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Sets the Service Code for power cutting. (for Administrator) PRG11-10-44 Input dial is Max 8 digits.	731	

Item No.	Item	Input Data	Description	Default	Related Program
45	**Room Monitor Permit**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Sets Service Code (SC) for Room monitor on/off to terminal. SC+1+Extension Number ; Room Monitor enable SC+0+Extension Number ; Room Monitor disable	610	
46	**Watch Message Setting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Watching message recording to VRS	614	
47	**Warning Message Setting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Warning message recording to VRS.	615	
48	**Auto Dial Setting for Security Sensor**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when Warning mode detected.	617	
49	**Auto Dial Setting for Remote Inspection**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when remote inspection detects no answer	619	
50	**Night-mode Skip (Own Group)**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	787	

✎ *MLT = Multiline Terminal*
SLT = Single Line Telephone

Program

11

Conditions

None

Feature Cross Reference

None

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Program 11 : System Numbering

11-11 : Service Code Setup (for Setup/Entry Operation)

Level:
IN

Program

11

Description

Use **Program 11-11 : Service Code Setup (for Setup/Entry Operation)** to customize the Service Codes which are used for registration and setup. You can customize additional Service Codes in Programs 11-10, and 11-12 ~ 11-16.

The following chart shows:
- The number of each code (01 ~ 72).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry. For example, users to turn on or turn off Background Music by dialing the number set at item 18.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Call Forward - All**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	741	
02	**Call Forward - Busy**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	742	
03	**Call Forward - No Answer**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	743	
04	**Call Forward - Busy/No Answer**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	744	
05	**Call Forward - Both Ring**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	745	
07	**Call Forwarding - Follow-Me**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	746	
08	**Do Not Disturb**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	747	
09	**Answer Message Waiting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗0	11-10-16
10	**Cancel All Messages Waiting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	773	
11	**Cancel Message Waiting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	771	
12	**Alarm Clock**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	727	20-01-06
13	**Display Language Selection for Multiline Terminal**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	678	15-02
14	**Text Message Setting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	No setting	

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Item No.	Item	Input Data	Description	Default	Related Program
15	**Enable Hands-free Incoming Intercom Calls**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	721	20-09-05 20-02-12
16	**Force Ringing of Incoming Intercom Calls**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	723	20-09-05 20-02-12
17	**Programmable Function Key Programming (3-Digit Service Codes)**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	751	15-07 11-11-38
18	**BGM On/Off**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	No setting (V1.5 Changed)	
19	**Key Touch Tone On/Off**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	724	
20	**Change Incoming CO and ICM Ring Tones**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	720	15-02
21	**Check Incoming Ring Tones**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	711	
22	**Extension Name Programming**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	700	15-01
23	**Second Call for DID/DISA/DIL**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	679	
24	**Change Station Class of Service**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT Allows an extension user to change the COS of another extension. Must be allowed in Program 20-13-28.	677	20-13-28
25	**Automatic Transfer Setup for Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	602	20-11-17 24-05
26	**Automatic Transfer Cancellation for Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	603	
27	**Destination of Automatic Transfer Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT	604	20-11-17 24-05
28	**Delayed Transfer for Every Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	605	20-11-17 24-05 24-02-08
29	**Delayed Transfer Cancellation for Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	606	20-11-17
30	**DND Setup for Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	607	
31	**DND Cancellation for Each Extension Group**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	608	
33	**Dial Block**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	600	
34	**Temporary Toll Restriction Override**	0~9, ✳, # Maximum of 8 digit	Terminal: MLT, SLT	775	21-07

Program

11

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Item No.	Item	Input Data	Description	Default	Related Program
35	Pilot Group Withdrawing	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	650	
36	Toll Restriction Override	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	663	21-14
37	Ring Volume Set	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	729	
38	Programmable Function Key Programming (2-Digit Service Codes)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	752	15-07 11-11-17
39	Station Speed Dial Number Entry	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	755	
41	Tandem Ringing	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	No setting	15-07 30-03
42	Transfer Dial Setting for Out of Range	0~9, ∗, # Maximum of 8 digit	-	689	13-06
43	Headset Mode Switching	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	688	
45	Set/Cancel Call Forward All (Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	682	24-09
46	Set/Cancel Call Forward Busy (Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	683	24-09
47	Set/Cancel Call Forward No Answer (Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	684	24-09
48	Set/Cancel Call Forward Busy No Answer (Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	685	24-09
49	Set/Cancel Call Forward Both Ring (Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	686	24-09
50	Set Message Waiting Indication	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	No setting	
51	Cancel Message Waiting Indication	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	No setting	
52	Set/Cancel Call Forward All Destination (No Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	790	24-09
53	Set/Cancel Call Forward Busy Destination (No Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	791	24-09
54	Set/Cancel Call Forward No Answer Destination (No Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	792	24-09
55	Call Forward Busy No Answer Destination (No Split)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	793	24-09

Program

11

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Item No.	Item	Input Data	Description	Default	Related Program
58	**Call Forward with Personal Greeting**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	713	
59	**Call Forward to Attendant except Busy**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	696	15-01-08
60	**Call Forward to Attendant/No Answer**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	697	15-01-09
62	**Adjust of Headset Ring Volume**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	No setting	11-11-37 15-02-12 15-02-41 15-02-42
65	**Headset Mode Switching**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	No setting	
68	**IntraMail Language Selection for own extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT,SLT	664	47-02-16
69	**IntraMail Language Selection for specific extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT,SLT	665	20-13-53 47-02-16
70	**Backlight Brightness**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	705	15-02-61 ~ 15-02-63
71	**Auto Backlight**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	706	15-02-64 15-02-65
72	**Headset V.Announce**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	714	
73	**Select Incoming Ring Tones at trunk** (V1.5 Added)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	761	15-28-01

Program

11

   MLT = Multiline Terminal
   SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

None

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Program 11 : System Numbering

11-12 : Service Code Setup (for Service Access)

Level:
IN

Program

11

Description

Use **Program 11-12 : Service Code Setup (for Service Access)** to customize the Service Codes which are used for service access. You can customize additional Service Codes in Programs 11-10, 11-11, and 11-14 through 11-16.

The following chart shows:
• The number of each code (01 ~ 64).
• The function of the Service Code.
• The type of telephones that can use the Service Code.
• The default entry. For example, dialing (Item 05) cancels a previously set Camp- On.
• Programs that may be affected with the changing the code.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Bypass Call	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Activating Call Forwarding/Do Not Disturb Override. This code is available only if you disable the voice mail Single Digit dialing code in Program 11-16-09.	707	
02	Conference	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#1	
03	Override (Off-Hook Signaling)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	709	
04	Set Camp-On	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	750	
05	Cancel Camp-On	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	770	
06	Switching of Voice Call and Signal Call	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	712	
07	Step Call	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	708	
08	Barge-In	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	710	
09	Change to STG (Department Group) All Ring	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	No setting	16-02
10	Station Speed Dialing	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#2	
11	Group Speed Dialing	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#4	
12	Last Number Dial	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#5	

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Item No.	Item	Input Data	Description	Default	Related Program
13	**Saved Number Dial**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	715	
14	**Trunk Group Access**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	704	
15	**Specified Trunk Access**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#9	
16	**Trunk Access via Networking** (V1.5 Added)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	726	
17	**Clear Last Number Dialing Data**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	776	
18	**Clear Saved Number Dialing Data**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	785	
19	**Internal Group Paging**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	701	31-01-01
20	**External Paging**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	703	
21	**Meet-Me Answer to Specified Internal Paging Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	764	31-02-01
22	**Meet-Me Answer to External Paging**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	765	
23	**Meet-Me Answer in Same Paging Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	763	31-02-01
24	**Combined Paging**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗1	31-02-01 31-07
25	**Direct Call Pickup - Own Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	756	
26	**Call Pickup for Specified Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	768	23-02
27	**Call Pickup**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗#	23-02
28	**Call Pickup for Another Group**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	769	23-02
29	**Direct Extension Call Pickup**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗∗	
30	**Specified Trunk Answer**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	672	
31	**Park Hold**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#6	24-03
32	**Answer for Park Hold**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗6	24-03
33	**Group Hold**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	732	
34	**Answer for Group Hold**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	762	
35	**Station Park Hold**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	757	
36	**Door Box Access**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	702	

Program

11

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Item No.	Item	Input Data	Description	Default	Related Program
37	Common Cancel-ing Service Code	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗9	
38	General Purpose Indication	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	783	15-07-56 15-07-57
40	Station Speed Di-aling	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#7	
41	Voice Over	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	690	11-16-08
42	Flash on Trunk lines	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	#3	
43	Answer No-Ring Line (Universal Answer)	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#0	14-05 14-06
44	Callback Test for SLT	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	799	
45	Enabled On Hook When Holding (SLT)	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	749	15-03-07
46	Answer On Hook When Holding (SLT)	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	759	15-03-08
47	Call Waiting An-swer/Split An-swer	0~9, ∗, # Maximum of 8 digit	Terminal: SLT Splitting (switching) between calls	794	11-12-03
48	Account Code	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	##	
51	VM Access	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	∗8	
53	Live Recording at SLT	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	654	
54	VRS Routing for ANI/DNIS	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Use when setting up ANI/DNIS Routing to the VRS Automated At-tendant. Using the Transfer feature, this also allows a call to be transfer-red to the VRS.	782	
56	E911 Alarm Shut Off	0~9, ∗, # Maximum of 8 digit	Terminal: MLT Enter the Service Code that an ex-tension user can dial to shut off the E911 Alarm Ring.	786	21-01-13 21-01-14
57	Tandem Trunk-ing	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	#8	
58	Transfer Into Conference	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Assign the Service Code a user di-als to Transfer a call to a Confer-ence call.	624	
59	Trunk Drop Op-eration for SLT	0~9, ∗, # Maximum of 8 digit	Terminal: SLT	660	
62	Security Sensor Reset	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for cancel Warning message sending and emergency call.	716	
63	Watch Mode Start	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off watch mode. SC+1;Watch mode start SC+0; Watch mode end.	717	

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Item No.	Item	Input Data	Description	Default	Related Program
64	**Security Sensor Mode Start**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off security sensor. SC+1; Start sensor detection SC+0; Ignore sensor detection	719	

MLT = Multiline Terminal
SLT = Single Line Telephone

Conditions

None

Program

11

Feature Cross Reference

None

Program 11 : System Numbering

11-13 : Service Code Setup (for ACD)

Program

11

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 11-13 : Service Code Setup (for ACD)** to customize the Service Codes which are used with the Automatic Call Distribution (ACD) feature. You can customize additional Service Codes in Programs 11-10 ~ 11-12 and 11-14 ~ 11-16. The following chart shows:

- The number of each code (01 ~ 06).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry.

Input Data

Item No.	Item	Input Data	Description	Default
01	**ACD Log In/Log Out (for KTS)**	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*5
02	**ACD Log Out (for SLT)**	0~9, *, # Maximum of 8 digit	Terminal: SLT	655
03	**Set ACD Wrap-Up Time (for SLT)**	0~9, *, # Maximum of 8 digit	Terminal: SLT	656
04	**Cancel ACD Wrap-Up Time (for SLT)**	0~9, *, # Maximum of 8 digit	Terminal: SLT	657
05	**Set ACD Off Duty (for SLT)**	0~9, *, # Maximum of 8 digit	Terminal: SLT	658
06	**Cancel ACD Off Duty (for SLT)**	0~9, *, # Maximum of 8 digit	Terminal: SLT	659

🖉　*MLT = Multiline Terminal*

🖉　*SLT = Single Line Telephone*

Conditions

None

Feature Cross Reference

- Automatic Call Distribution (ACD)

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Program 11 : System Numbering

11-14 : Service Code Setup (for Hotel)

Program

11

Description

Use **Program 11-14 : Service Code Setup (for Hotel)** to customize the Service Codes which are used with the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-12, 11-15 and 11-16. The Service Codes can be used only at telephones registered as hotel terminals in Program 42-02.

The following chart shows:

• The number of each code (01 ~ 19).
• The function of the Service Code.
• The type of telephones that can use the Service Code.
• The default entry.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Set DND for Own Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	627
02	**Cancel DND for Own Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	628
03	**Set DND for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	629
04	**Cancel DND for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	630
05	**Set Wake Up Call for Own Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	631
06	**Cancel Wake Up Call for Own Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	632
07	**Set Wake Up Call for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	633
08	**Cancel Wake Up Call for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	634
09	**Set Room to Room Call Restriction**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	635
10	**Cancel Room to Room Call Restriction (Hotel)**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	636
11	**Change Toll Restriction Class for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	637
12	**Check-In**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	638
13	**Check-Out**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	639

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Item No.	Item	Input Data	Description	Default
14	**Room Status Change for Own Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	640
15	**Room Status Change for Other Extension**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	641
16	**Room Status Output**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT	642
17	**Hotel Room Monitor**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	675
19	**Hotel Room Data Set**	0~9, ∗, # Maximum of 8 digit	Terminal: MLT, SLT	No Setting

MLT = Multiline Terminal
SLT = Single Line Telephone

Program

11

Conditions

None

Feature Cross Reference

• Hotel/Motel

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Program 11 : System Numbering

11-15 : Service Code Setup, Administrative (for Special Access)

Level:
__IN__

Program

11

Description

Use **Program 11-15 : Service Code Setup, Administrative (for Special Access)** to customize the special access Service Codes which are used by the administrator in the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-14 and 11-16.

The following chart shows:
- The number of each code (01 ~ 14).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry.
- Programs that may be affected when changing the code.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Remote Maintenance**	0~9, *, # Maximum of 8 digit		730	
02	**ACD Access in Dialin Conversion Table** (V1.5 Added)	0~9, *, # Maximum of 8 digit		760	22-04 22-11
05	**System Programming Mode, Log-On**	0~9, *, # Maximum of 8 digit	Terminal: MLT	# * #*	11-01
09	**Transfer to Incoming Ring Group**	0~9, *, # Maximum of 8 digit		No Setting	
12	**Extension Data Swap**	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	92-04
13	**Remote Access from DISA**	0~9, *, # Maximum of 8 digit		No Setting	22-02
14	**Modem Access**	0~9, *, # Maximum of 8 digit		740	

🖉 *MLT = Multiline Terminal*
SLT = Single Line Telephone

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

None

Program

11

Program 11 : System Numbering

11-16 : Single Digit Service Code Setup

Level:
IN

Description

Use **Program 11-16 : Single Digit Service Code Setup** to customize the one-digit Service Codes used when a busy or ring back signal is heard. You can customize additional Service Codes in Programs 11-10 ~ 11-15.

The following chart shows:

• The number of each code (01 ~ 11).
• The function of the Service Code.
• The default entry. For example, dialing 1 (Item 03) when calling an extension switches the call from either a voice or signal call (depending on how it is currently defined).
• Programs that may be affected by changing these codes.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Step Call**	0~9, *, # Maximum of 1 digit	2	
02	**Barge-In**	0~9, *, # Maximum of 1 digit	No Setting	
03	**Switching of Voice/Signal Call**	0~9, *, # Maximum of 1 digit	1	
04	**Intercom Off-Hook Signaling**	0~9, *, # Maximum of 1 digit	*	
05	**Camp-On**	0~9, *, # Maximum of 1 digit	#	
06	**DND/Call Forward Override Bypass**	0~9, *, # Maximum of 1 digit	No Setting	
07	**Message Waiting**	0~9, *, # Maximum of 1 digit	0	
08	**Voice Over**	0~9, *, # Maximum of 1 digit	6	
09	**Access to Voice Mail**	0~9, *, # Maximum of 1 digit	8	
10	**(Department) STG All Ring Mode**	0~9, *, # Maximum of 1 digit	No Setting	16-01-05
11	**Station Park Hold**	0~9, *, # Maximum of 1 digit	No Setting	

Conditions

None

Feature Cross Reference

None

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Program 11 : System Numbering

11-17 : ACD Group Pilot Number

Level:
IN

(This Program is available for V1.5 or higher)

Program

11

Description

Use **Program 11-17 : ACD Group Pilot Number** to assign the ACD Master Number for each ACD Group. This is the number a user dials to transfer calls to the ACD Group. Normally, you should use unassigned extension numbers for the master number. If you want to use an extension number which, by default, has a port number assigned, first remove the default assignment.

Input Data

ACD Group Number	01 ~ 02

Item No.	Item	Input Data	Default
01	**ACD Group Pilot Number**	**Dial (Up to eight digits)**	No Setting

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

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Program 11 : System Numbering

11-19 : Remote Conference Pilot Number Setup

Level:
IN

Program

11

Description

Use **Program 11-19 : Remote Conference Pilot Number Setup** to assign the pilot number to be used for the Remote Conference. This is the number that outside parties will call in order to connect to a conference.

Input Data

Conference Group Number	1 ~ 4

Item No.	Item	Input Data	Default	Related Program
01	**Remote Conference Group Pilot Number**	**Dial (Up to 8 digits)**	See	20-13-46 20-34

 No Remote Conference Pilot Numbers assigned to any Conference Group (1 ~ 4).

Conditions

None

Feature Cross Reference

• Conference, Remote

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Program 11 : System Numbering

11-20 : Dial Extension Analyze Table

Level:
IN

Program

11

Description

Use **Program 11-20 : Dial Extension Analyze Table** to define the dial type based on three or more digits. This program is relevant only if digits in 11-01-01 are set to 9 (Dial Extension Analyze).

Input Data

Dial Extension Analyze Table	001 ~ 128

Item No.	Item	Input Data	Default	Related Program
01	**Dial Extension Analyze Table**	Dial (Up to eight digits : 0, 1 ~ 9, #, ∗, @)	No Setting	11-01
02	**Dial Extension Analyze Table**	Type of Dials : 0 = Not used 1 = Service Code 2 = Extension Number 5 = Operator Access 6 = F-Route Access	0	11-01

Conditions

• When the system uses the Dial Extension Analyze Table to determine the dial type, the lower table has priority. For example, if Table 1 has 211 defined and Table 2 has 2113 defined, Table 1 is used to determine the dial type.

Feature Cross Reference

None

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Program 12 : Night Mode Setup

12-01 : Night Mode Function Setup

Level:
IN

Description

Use **Program 12-01 : Night Mode Function Setup** to set up the Night Mode options. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Manual Night Mode Switching**	0 = Off 1 = On	Allow/Prevent a activating Night Service by dialing a service code.	1	11-10-01
02	**Automatic Night Mode Switching**	0 = Off 1 = On	According to a preset schedule, en-able or disable Automatic Night Service for the system.	0	12-02 12-03

Even if the operation mode is changed manually, the operation mode changes according to the schedule set up.

Conditions

None

Feature Cross Reference

• Night Service

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Program 12 : Night Mode Setup

12-02 : Automatic Night Service Patterns

Level:
SA

Program

12

Description

Use **Program 12-02 : Automatic Night Service Patterns** to define the daily pattern of the Automatic Mode Switching. Each Mode Group has 10 patterns. These patterns are used in Programs 12-03 and 12-04. The daily pattern consists of 20 timer Settings.

Input Data

Night Mode Service Group Number	01 ~ 04

Time Pattern Number	01 ~ 10

Set Time Number	01 ~ 20

Item No.	Item	Input Data	Default
01	Start Time	0000 ~ 2359	Refer below
02	End Time	0000 ~ 2359	Refer below
03	Operation Mode	1 ~ 8	Refer below

Example :

Time Pattern 1

0:00	9:00	12:00	13:00	17:00	18:00	22:00	0:00
Mode 3 (midnight)	Mode 1 (day)	Mode 4 (rest)	Mode 1 (day)	Mode 4 (rest)	Mode 2 (night)	Mode 3 (midnight)	

To make the above schedule, it is necessary to set the data as follows:

Time setting 01 :	00 : 00 to 09 : 00	Mode 3 (midnight)
Time setting 02 :	09 : 00 to 12 : 00	Mode 1 (day)
Time setting 03 :	12 : 00 to 13 : 00	Mode 4 (rest)
Time setting 04 :	13 : 00 to 17 : 00	Mode 1 (day)
Time setting 05 :	17 : 00 to 18 : 00	Mode 4 (rest)
Time setting 06 :	18 : 00 to 22 : 00	Mode 2 (night)
Time setting 07 :	22 : 00 to 00 : 00	Mode 3 (midnight)

Time Pattern 2

00 : 00   00 : 00

Mode 2

(night)

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Time setting 01 : 00 : 00 to 00 : 00 Mode 2 (night)

Default

Time Pattern 1

Set Time Number	Start Time	End Time	Mode
01	0000	0800	2
02	0800	1700	1
03	1700	0000	2
04	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 2

Set Time Number	Start Time	End Time	Mode
01	0000	0000	2
02	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 3 ~ 10

Set Time Number	Start Time	End Time	Mode
01	0000	0000	1
:	:	:	:
20	0000	0000	1

Conditions

None

Feature Cross Reference

• Night Service

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Program

12

Program 12 : Night Mode Setup

12-03 : Weekly Night Service Switching

Program

12

Level:

SA

Description

Use **Program 12-03 : Weekly Night Service Switching** to define a weekly schedule of night-switch settings. 21-02 : Trunk Group Routing for Extensions

Input Data

Night Mode Service Group Number	01 ~ 04

Item No.	Item	Input Data	Default
01	**Day of the Week**	01 = Sunday 02 = Monday 03 = Tuesday 04 = Wednesday 05 = Thursday 06 = Friday 07 = Saturday	Refer below
	Time Schedule Pattern Number	0 ~ 10	

Default

Day of the Week	Time Schedule Pattern Number
01 = Sunday	2
02 = Monday	1
03 = Tuesday	1
04 = Wednesday	1
05 = Thursday	1
06 = Friday	1
07 = Saturday	2

Conditions

None

Feature Cross Reference

• Night Service

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Program 12 : Night Mode Setup

12-04 : Holiday Night Service Switching

Level:
SA

Description

Use **Program 12-04 : Holiday Night Service Switching** to define a yearly schedule of holiday night-switch settings. This schedule is used for the setting of special days when the company is expected to be closed, such as a national holiday.

Input Data

Night Mode Service Group Number	01 ~ 04

Item No.	Item	Input Data	Default
01	**Days and Months**	0101 ~ 1231 (e.g. 0101 = Jan. 1, 1231 = Dec. 31)	No Setting
	Time Pattern Number	0 ~ 10 (0 = No setting)	

Conditions

None

Feature Cross Reference

- Night Service

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Program 12 : Night Mode Setup

12-05 : Night Mode Group Assignment for Extensions

Level:
IN

Program

12

Description

Use **Program 12-05 : Night Mode Group Assignment for Extensions** to a assign Day/Night Mode Group for each extension.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default
01	Night Mode Service Group Number	01 ~ 04	1

Conditions

None

Feature Cross Reference

• Night Service

DFW Phone 972-992-4600

Program 12 : Night Mode Setup

12-06 : Night Mode Group Assignment for Trunks

Level:
IN

Program

12

Description

Use **Program 12-06 : Night Mode Group Assignment for Trunks** to assign a Day/Night Mode Group for each trunk port.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	Night Mode Service Group Number	01 ~ 04	1

Conditions

None

Feature Cross Reference

• Night Service

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Program 12 : Night Mode Setup

12-07 : Text Data for Night Mode

Level:
IN

Program

12

Description

Use **Program 12-07 : Text Data for Night Mode** to make an original text message which is displayed on an LCD of Multiline telephone in each Mode.

Input Data

Night Mode Service Group Number	01 ~ 04

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	Text Message	Maximum 12 Characters (alphabetic or numeric)	

Conditions

None

Feature Cross Reference

• Night Service

DFW Phone 972-992-4600

Program 12 : Night Mode Setup

12-08 : Night Mode Service Range

Program

12

Level:
SA

Description

Use **Program 12-08 : Night Mode Service Range** to define the changing range of toggle key for each Day/Night Mode.

Input Data

Night Mode Service Group Number	01 ~ 04

Item No.	Item	Input Data	Default
01	Range	2 ~ 8	2

Example :

When Program 12-08 is set to 3 and the Mode Key is pressed, the following modes are switched :
• Press once = Night
• Press twice = Mid-night
• Press third = Day
• Default = 2

Conditions

None

Feature Cross Reference

• Night Service

Program 13 : Abbreviated Dialing

13-01 : Speed Dialing Option Setup

Level:
IN

Program

13

Description

Use **Program 13-01 : Speed Dialing Option Setup** to define the Speed Dialing functions.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Speed Dialing Auto Outgoing Call Mode**	0 = Trunk Outgoing Mode 1 = Intercom Outgoing Mode	Set where the Speed Dial bins will use Trunk Routing (0) or dial the bin as though it is an Intercom number (1).	0	13-05
02	**Private Speed Dial**	0 = Do not use 1 = Use	Define use additional 20 Private speed dial bin beside 1000 Common speed dial bin or not.	1	13–06
03	**Number of Common Speed Dialing Bins**	0 ~ 1000 0 = No Common Speed Dialing	Assign the number of Speed Dial bins that are used for System Speed Dials.	900	13-04

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

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Program 13 : Abbreviated Dialing

13-02 : Group Speed Dialing Bins

Level:
IN

Program

13

Description

Use **Program 13-02 : Group Speed Dialing Bins** to define the range of bin numbers to be used by each Speed Dialing group.
(Refer to 13-03 : Speed Dialing Group Assignment for Extensions on page 2-96.)

Input Data

Speed Dialing Group Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**Start Address of Speed Dialing Bin**	0 ~ 990	Refer below
	End Address of Speed Dialing Bin	0, 9 ~ 999	

Default

Abbreviated dial group No.	Start address of ABB Bin	End address of ABB Bin
1	0	0
:	:	:
32	0	0

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

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Program 13 : Abbreviated Dialing

13-03 : Speed Dialing Group Assignment for Extensions

Level:
IN

Program

13

Description

Use **Program 13-03 : Speed Dialing Group Assignment for Extensions** to assign Speed Dialing Group for each extension. There are 32 available Speed Dialing groups.

Input Data

Extension Number	Up to 8 digits

Item No.	Item	Input Data	Default
01	**Group Number**	01 ~ 32 Assign group number for extension	1

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

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Program 13 : Abbreviated Dialing

13-04 : Speed Dialing Number and Name

Level:
SB

Program

13

Description

Use **Program 13-04 : Speed Dialing Number and Name** to store Speed Dialing data in the Speed Dialing areas. This program is also used to define the names assigned to the Speed Dialing numbers.

Input Data

Speed Dialing Bin Number	000 ~ 999

Item No.	Item	Input Data	Description	Default	Related Program
01	Speed Dialing Data	1 ~ 9, 0, ∗, #, **P**ause (Press line key 1), **R**ecall/Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	Assign dial number for 000-999 bins	No Setting	
02	Name	Maximum 12 Characters (Use dial pad to enter name)		No Setting	
03	Transfer Mode	0 = Not Used 1 = Internal Dial 2 = Incoming Ring Group (IRG) 3 = Remote Monitor	🖉 *Each time when this setting is changed Program 13-04-04 will be reset. (V1.5 Added)*	0	
04	Transfer Destination Number	If Transfer mode is (Refer to 13-04-03) : 1 = Internal Dial Mode 1 ~ 9, 0, ∗, #, P, R, @ (Maximum 36 Characters) 2 = Incoming Ring Group 0 ~ 25 (IRG Number) P = Pause R = Recall @ = Additional Digits when using ISDN functionality 3 = Remote Monitor Dial (Up to 8 digits)	🖉 *This setting can be changed only when Program 13-04-03 is set other than 0. Also if the Program 13-04-03 is set to 3 only Extension number can be changed. (V1.5 Added)*	No Setting	13-04-03
05	Incoming Ring Pattern	Incoming Ring Pattern 0 = Normal Pattern 1 ~ 4 = Tone Pattern (1 ~ 4) 5 ~ 9 = Scale Pattern (1 ~ 5)		0	13-04-03
07	VRS Message Number	0 ~ 100	🖉 *If the VRS can not be played it will use a Program 13-04-05 Ringing Pattern. (V1.5 Added)*	0	

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Item No.	Item	Input Data	Description	Default	Related Program
08	**Memo1** (V1.5 Deleted)	Maximum 28 digit	🖉 *Can only be changed in WebPro or PCPro.*	No Setting	15-02-58
09	**Memo2** (V1.5 Deleted)	Maximum 28 digit	🖉 *Can only be changed in WebPro or PCPro.*	No Setting	15-02-58
10	**Memo3** (V1.5 Deleted)	Maximum 28 digit	🖉 *Can only be changed in WebPro or PCPro.*	No Setting	15-02-58
11	**Mailbox Number**	0 ~ 544	🖉 *This setting only works when Program 13-04-01 Speed Dial and Incoming Trunk Call match. (V1.5 Added)*	0	40-02

Program

13

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

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Program 13 : Abbreviated Dialing

13-05 : Speed Dial Trunk Group

Level:
SB

Program

13

Description

Use **Program 13-05 : Speed Dialing Trunk Group** to define the trunk group to be seized for each Speed Dialing number.

If this program has an entry of 0 (no setting), then seizing a line follows the trunk access group routing of the caller's extension (refer to Program 14-06). This setting is available only in External Speed Dialing Mode (Program 13-01-01).

Input Data

Speed Dialing Bin Number	000 ~ 999

Item No.	Item	Input Data	Default
01	Trunk Group Number	0 ~ 25	No setting

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

DFW Phone 972-992-4600

Program 13 : Abbreviated Dialing

13-06 : Speed Dial Number and Name

Level:
SB

Program

13

Description

Use **Program 13-06 : Speed Dial Number and Name** to set up the dial number and name of each Speed Dial Number.

Input Data

Extension Number	Up to 8 digits

Speed Dial Number	01 ~ 20

Item No.	Item	Input Data	Default
01	**Speed Dialing Data**	1 ~ 9, 0, ∗, #, **P**ause (Press line key 1), **R**ecall/ Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	No setting
	Name	Maximum 12 Characters (Use dial pad to enter name)	

Conditions

None

Feature Cross Reference

• Abbreviated Dialing/Speed Dial

DFW Phone 972-992-4600

Program 13 : Abbreviated Dialing

13-11 : Abbreviated Dial Group Name

Level:
SB

Program

13

Description

Use **Program 13-11 : Abbreviated Dial Group Name** to set the name of Abbreviated Dial Group Name.

Input Data

Group Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**Group Name**	Up to 12 characters	1 = ABB : GROUP01 : 32 = ABB : GROUP32

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup

14-01 : Basic Trunk Data Setup

Level:
IN

Program

14

Description

Use **Program 14-01 : Basic Trunk Data Setup** to set the basic options for each trunk port. Refer to the chart below for a description of each option, its range and default setting.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default	Related Program
01	**Trunk Name**	Up to 12 characters	Set the names for trunks. The trunk name displays on a multiline terminal for incoming and outgoing calls.	Refer below	
02	**Transmit Level**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.	32 (0 dB)	
03	**Receive Level**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.	32 (0 dB)	
04	**Transmit Gain Level for Conference and Transfer Calls**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	32 (0 dB)	
05	**Receive Gain Level for Conference and Transfer Calls**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	16 (- 8 dB)	
06	**SMDR Printout**	0 = No Print Out 1 = Prints Out	Use this option to have the system include/exclude the trunk you are programming from the SMDR printout. Refer to Programs 35-01 and 35-02 for SMDR printout options.	1	
07	**Outgoing Calls**	0 = Deny (No) 1 = Allow (Yes)	Use this option to allow/prevent outgoing calls on the trunk you are programming.	1	
08	**Toll Restriction**	0 = Restriction Disabled (No) 1 = Restriction Enabled (Yes)	Use this option to enable/disabled Toll Restriction for the trunk. If enabled, the trunk follows Toll Restriction programming (example: Programs 21-05, 21-06). If disabled, the trunk is a toll free line.	1	21-04 21-05 21-06
09	**Private Line**	0 = Disable Private Line (Normal) 1 = Enable Private Line (Private Line)		0	

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Item No.	Item	Input Data	Description	Default	Related Program
10	**DTMF Tones for Outgoing Calls**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disable (0) DTMF tones for outgoing trunk calls.	0	
11	**Account Code Required**	0 = Disable (No) 1 = Enable (Yes)		1	
13	**Trunk-to-Trunk Transfer**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disable (0) loop supervision for the trunk. This option is required for Call Forwarding Off-Premise and Tandem Trunking only.	1	
14	**Long Conversation Cutoff**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Cutoff feature for each trunk.	0	20-21-03 20-21-04
15	**Long Conversation Alarm Before Cutoff**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Alarm for each trunk.	0	20-21-01 20-21-02
16	**Forced Release of Held Call**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable forced release for calls on Hold. If enabled, the system disconnects a call if it is on Hold longer than a programmed interval (Program 24-01-05). If disabled, forced disconnection does not occur. Program 24-01-01 also affects this option.	0	24-01-01 24-01-05
17	**Trunk to Trunk Warning Tone for Long Conversation Alarm**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Warning Tone for Long Conversation feature for DISA callers.	0	
18	**Warning Beep Tone Signaling**	0 = Disable (No) 1 = Enable (Yes)		0	
19	**Privacy Mode Toggle Option**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable a trunk ability to be switched from private to non-private mode by pressing the line key or Privacy Release function key.	0	
20	**Block Outgoing Caller ID**	0 = Prevent (No) 1 = Allow (Yes)	Allow (1) or prevent (0) the system from automatically blocking outgoing Caller ID information when a user places a call. If allowed (i.e. block, enabled), the system automatically inserts the Caller ID block code (defined in 14-01-21) before the user dialed digits.	0	14-01-21 20-08-15
21	**Caller ID Block Code**	**Dial (up to eight digits)**	Enter the code, up to 8 digits, that should be used as the Caller ID Block Code. This code is automatically inserted before dialed digits if Program 14-01-20 is set to 1.	*67	14-01-20 20-08-15
22	**Caller ID to Voice Mail**	0 = Disable (No) 1 = Enable (Yes)	Enable or disable the system ability to send the Caller ID digits (Remote Log-On Protocol) to voice mail.	0	
24	**Trunk-to-Trunk Outgoing Caller ID through Mode**	0 = Disable (No) 1 = Enable (Yes)	Enable (1) or Disable (0) the ability to send the original Caller ID through when the call is Forward Off-Premise.	0	
25	**Continued/ Discontinued Trunk-to-Trunk Conversation**	0 = Disable (No) 1 = Enable (Yes)	Enable (1) or Disable (0) the ability to dial a service code to continue or disconnect the Trunk-to-Trunk conversation after the alert tone is heard.	0	20-28-01 20-28-02 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08

Program

14

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Program

14

Item No.	Item	Input Data	Description	Default	Related Program
26	**Automatic Trunk-to-Trunk Transfer Mode**	0 = Normal Transfer (Normal) 1 = Step Transfer (Step)		0	24-02-11 24-02-12
27	**Caller ID Refuse Setup**	0 = Disable (No) 1 = Enable (Yes)		0	
28	**Effectively of "Conversation Recording Destination for Extension"**	0 = No Effect (No) 1 = Available (Yes)		1	15-12
30	**Flexible Ringing by Caller ID**	0 = Disable (No) 1 = Enable (Yes)		1	13-04
32	**Anti-trombone Function**	0 = No Effect (No) 1 = Available (Yes)		0	
33	**APSU(VM00) Trunk Receive Gain**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Additional PAD when a trunk call connects to APSU Voice Mail.	32 (0 dB)	
36	**Calling Party Name notification (ISDN Trunk)**	0 = Disable 1 = Enable		0	
40	**ISDN Queue announcement connect mode** (V2.0 Added)	0 = send CONNECT 1 = send PROGRESS #8	When a VRS queue message is to be played back (configured in PRG 22-14, PRG 22-15, PRG 41-11, or PRG 41-19, the system shall, instead of a CONNECT message, send a PROGRESS message including a ProgressIE #8 "in-band tones and announcements available".	0	22-14 22-15 41-11 41-19
41	**Incoming Caller Name Usage** (V2.0 Added)	0 = Use 1 = Ignore	This program will determines that the caller name information from the network is valid or not. If the program is set to 1, the caller name information the network provides is ignored.	0	

Default

Item01 : Trunk Name

Trunk Port Number	Name
1	Line 001
2	Line 002
:	:
84	Line 84

Conditions

None

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Feature Cross Reference

None

Program

14

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Program 14 : Trunk, Basic Setup

14-02 : Analog Trunk Data Setup

Level:
IN

Description

Program

14

Use **Program 14-02 : Analog Trunk Data Setup** to set the basic options for each analog trunk port. Refer to the table below for a description of each option, its range and default setting.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default	Related Program
01	**Signaling Type (DP/DTMF)**	0 = Dial Pulse (10 PPS) 2 = DTMF	This option sets the signaling type for the trunk.	2	
02	**Ring Detect Type**	0 = Normal/delayed 1 = Immediate Ringing	This option sets Extended Ring Detect or Immediate Ring Detect for the trunk. For T1 loop/ground start trunks, this option must be set to 1 for the trunks to ring and light correctly.	1	
03	**Flash Type**	0 = Open Loop Flash 1 = Ground	This option selects the flash type (open loop flash or ground). Always set this option for open loop flash.	0	
04	**Hooking Type**	0 = Timed Flash (Hooking) 1 = Disconnect (Cut)	This option lets you use Flash for Timed Flash (Program 81-01-14) or Disconnect (Program 81-01-15). (A user implements Flash by pressing the FLASH key while on a trunk call.)	0	81-01-14 81-01-15
05	**Dial Tone Detection for Manually Accessed Trunks**	0 = Dial Tone Detection Not Used 1 = Dial Tone Detection Used	Use this option enable/disable dial tone detection for directly accessed trunks. If disabled, the system out-dials on the trunks without monitoring for dial tone.	0	21-01-04
06	**Pause at 1st Digit after Line Seize in Manual Dial Mode**	0 = No Pause (No) 1 = Pause (Yes)		1	21-01-06

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Item No.	Item	Input Data	Description	Default	Related Program
07	**DP to DTMF Conversion Options**	0 = Automatic 1 = Automatic and Manual 2 = Manual	Determine how a user can convert a Dial Pulse (DP) call to a DTMF call. For each trunk, set the type of DP to DTMF conversion required. There are three conversion options: Automatic (0), Automatic and Manual (1), or Manual (2). **Automatic:** DP to DTMF conversion occurs automatically if the extension user waits more than 10 seconds before dialing the next digit. **Automatic and Manual:** DP to DTMF conversion occurs automatically if the extension user waits more than 10 seconds before dialing the next digit. In addition, the user can dial **#** to switch a DP trunk to DTMF dialing. **Manual:** Users can dial **#** to switch a DP trunk to DTMF dialing.	2	21-01-03
08	**Answering Condition**	0 = Polarity Reversing (Polarity) 1 = Polarity Reversing or Timer (Int Digit)		1	21-01-03
09	**Busy Tone Detection**	0 = Disable (No) 1 = Enable (Yes)		0	
10	**Caller ID**	0 = No 1 = Yes	Enable or disable a trunk ability to receive Caller ID information.	1 (V1.5 Changed)	
11	**Next Trunk in Rotary if No Dial Tone**	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable the system ability to skip over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Number dialed. It does not pertain to line key or Direct Trunk Access calls.	0	
12	**Detect Network Disconnect Signal**	0 = Disable (No) 1 = Enable (Yes)		1	
13	**Trunk-to-Trunk Limitation**	0 = Disable (No) 1 = Enable (Yes)		0	
18	**Busy Tone Detection on Talking**	0 = Disable 1 = Enable		0	
19	**Busy Tone Detection Frequency**	1 ~ 255		1	14-02-18
20	**Busy Tone Detection Interval**	0 ~ 64800 (x 100 ms)		0	14-02-18
23	**Caller ID Receiving Method**	0 = Wait Caller ID 1 = Immediate Ring	Rings extension before receiving Caller ID (1) or after receiving Caller ID (0).	1	

Conditions

None

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Feature Cross Reference

None

Program

14

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Program 14 : Trunk, Basic Setup

14-04 : Behind PBX Setup

Level:
IN

Description

Use **Program 14-04 : Behind PBX Setup** to indicate if the trunk is installed behind a PBX. There is one item for each mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Type of Connection**	0 = Stand Alone (Trunk) 1 = Behind PBX (PBX) 3 = CTX assume 9	0	22-02

Conditions

None

Feature Cross Reference

• Central Office Calls, Placing

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Program 14 : Trunk, Basic Setup

14-05 : Trunk Group

Program

14

Level:
IN

Description

Use **Program 14-05 : Trunk Group** to assign trunks to Trunk Groups. You can also assign the outbound priority for trunks within the group. When users dial up the trunk group, they seize the trunks in the order you specify in the outbound priority entry.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data
01	**Trunk Group Number**	0 ~ 25
	Priority Number	001~ 084

Default

Trunk Port	Group	Priority
1	1	1
:	:	:
084	1	084

Conditions

None

Feature Cross Reference

• Trunk Groups

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Program 14 : Trunk, Basic Setup

14-06 : Trunk Group Routing

Level:
IN

Description

Use **Program 14-06 : Trunk Group Routing** to set up an outbound routing table for the trunk groups you assigned in Program 14-05. When a user dial 9, the system routes their calls in the order (priority) specified. For example, if a user dials 9 and all calls in the first group are busy, the system may route the call to another group. Trunk Access Map programming (Programs 14-07) may limit this option. The system contains 25 routing tables for trunk access. Each table has four priority orders for trunk access. There are 25 available Trunk Group Numbers.

Example for setting:

With less than four trunk groups,

Route Number 1   : Order 1 - Trunk Group 1
                                  : Order 2 - Trunk Group 2

For the above setting, if all the lines in trunk group 1 are busy, the system searches for an idle line in trunk group 2.

With more than four trunk groups,

Route Number 1   : Order 1 - Trunk Group 1
                                  : Order 2 - Trunk Group 2
                                  : Order 3 - Trunk Group 3
                                  : Order 4 - 1002 (Jump To Route Number 2)
Route Number 2   : Order 1 - Trunk Group 4
                                  : Order 2 - Trunk Group 5

For the above setting, if all the lines in the trunk groups 1, 2 and 3 are busy, the system searches for an idle line in trunk groups 4 and 5.

Input Data

Route Table Number	001 ~ 025

Priority Order Number	1 ~ 4

Program

14

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Item No.	Item	Input Data	Default	Related Program
01	**Trunk Group Routing**	0 = Not Set 001 ~ 025 = Trunk group No. 101 ~ 104 = 100 + Networking System No. (V1.5 Added) 1001 ~ 1025 = 1000 + Route Table No.	Route 1, Order Number 1 = 1 (Trunk Group 1) Order Numbers 2, 3, 4 = 0 (Not Specified) All Other Routes (2 ~ 25) and Order Numbers (1 ~ 4) = 0 (Not Specified)	14-01-07 14-05 15-01-02 21-02

Program

14

Conditions

None

Feature Cross Reference

None

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Program 14 : Trunk, Basic Setup

14-07 : Trunk Access Map Setup

Level:
IN

Program

14

Description

Use **Program 14-07 : Trunk Access Map Setup** to set up the Trunk Access Maps. This sets an extension access options for trunks. For example, an extension can place only outgoing calls on trunks to which it has outgoing access. There are 084 Access Maps with all 084 trunk ports programmed in Map 1 with full access.

An extension can use one of the maps you set up in this program. Use Program 15-06 to assign Trunk Access Maps to extensions. Each trunk can have one of eight access options for each Access Map.

🖉 *Emergency calls will override Program 14-07 settings.*

Input Data

Access Map Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**Access Map**	0 = No access 1 = Outgoing access only 2 = Incoming access only 3 = Access only when trunk on Hold 4 = Outgoing access and access when trunk on Hold 5 = Incoming access and access when trunk on Hold 6 = Incoming and Outgoing access 7 = Incoming access, outgoing access and access when trunk on Hold	Trunk Port Number = 001 ~ 084	Refer below

Default

Access map No.	Trunk Port No.	Default
1	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)
2	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)

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Access map No.	Trunk Port No.	Default
:	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)
084	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)

Program

14

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

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Program 14 : Trunk, Basic Setup

14-08 : Music on Hold Source for Trunks

Level:
IN

Program

14

Description

Use **Program 14-08 : Music on Hold Source for Trunks** to define a Music on Hold source for a trunk as COI port.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**MOH Type**	0 = Internal synthesized/ external MOH 1 = A customer-provided source connected to BGM port	Select Music on Hold source for the trunk.	0

Conditions

None

Feature Cross Reference

• Music on Hold

DFW Phone 972-992-4600

Program 14 : Trunk, Basic Setup

14-09 : Conversation Recording Destination for Trunks

Level:
IN

Program

14

Description

Use **Program 14-09 : Conversation Recording Destination for Trunks** to set the Conversation Recording destination for each trunk.

✏️ *If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.*

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**Recording Destination Extension Number**	Maximum eight digits	Enter the extension number where the trunk calls should be recorded.	No Setting
02	**Automatic Recording for Incoming Calls**	0 = Off 1 = On	Determine if incoming trunk calls should be automatically recorded.	0
04	**Automatic Recording for Outgoing Call**	0 = Off 1 = On		0

Conditions

None

Feature Cross Reference

None

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Program 14 : Trunk, Basic Setup

14-11 : ID Setup for IP Trunk

Level:
IN

Description

Use **Program 14-11 : ID Setup for IP Trunk** to set the ID of each IP Trunk. This program refers to incoming and outgoing IP Trunk calls. The ID is sent on an outgoing IP Trunk call. This program is used only for H.323.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	**IP Trunk ID**	0 ~ 65535 (0 = No setting)	0

Conditions

- This Data is referred to at IP trunk outgoing call, or IP trunk incoming call.
- This ID is notified at IP trunk outgoing call.
- It is not notified when ID is 0.
- Incoming Call arrives to the trunk port of the same ID as ID notified from the partner system.

Feature Cross Reference

None

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Program 14 : Trunk, Basic Setup

14-12 : SIP Register ID Setup for IP Trunk

Level:
IN

Program

14

Description

Use **Program 14-12 : SIP Register ID Setup for IP Trunk** to define the SIP Register ID for IP Trunks.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	**Register ID**	0 ~ 31	0
02	**Pilot Register ID**	0 ~ 31	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-01 : Basic Extension Data Setup

Level:
SA

Description

Use **Program 15-01 : Basic Extension Data Setup** to define the basic settings for each extension.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	**Extension Name**	Up to 12 Characters	Define the extension/virtual extension name.	Ext. 101 ~ 184 = No Setting	
02	**Outgoing Trunk Line Preference**	0 = Off 1 = On	Use this option to set the extension outgoing Trunk Line Preference. If enabled, the extension user receives trunk dial tone when they lift the handset. The user hears trunk dial tone only if allowed by Trunk Access Map programming (Programs 14-07 and 15-06). Refer to the Line Preference feature for more details.	0	14-06 21-02
03	**SMDR Printout**	0 = Do not print on SMDR report 1 = Include on SMDR report	Use this option to include or exclude the extension in the SMDR report.	1	
04	**ISDN Caller ID**	0 = Disable 1 = Enable	If both Program 15-01-04 and 10-03-05 are enabled, the system includes Caller ID in the Setup message as Presentation Allowed. If these options are disabled, it is Presentation Restricted.	1	10-03-05 20-08-13
05	**Restriction for Outgoing Disable on Incoming Line**	0 = Supervise dial detection 1 = Not supervise dial detection	Enable or disable supervised dial detection for an extension.	0	21-01-15 21-01-16 21-01-17 80-03-01
07	**Do-Not-Call**	0 = Off 1 = On		0	21-01-19
08	**Call Attendant Busy Message**	0 ~ 100 (0 = No setting)		0	11-11-59 40-10-08
09	**Call Attendant Answer Message**	0 ~ 100 (0 = No setting)		0	11-11-60 40-10-09
10	**Extension Number**	0 = Disable 1 = Enable	Sends caller name on outgoing ISDN calls.	0	
13	**Special ringtone choice** (V2.0 Added)	0 = Incoming extension ring tone 1 = Tone pattern 1 2 = Tone pattern 2 3 = Tone pattern 3 4 = Tone pattern 4	When an incoming call is received from the extension defined in this PRG this item defines the ringtone presented.	0	15-02-03

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Item No.	Item	Input Data	Description	Default	Related Program
14	**SMDR output of made intercom calls** (V2.0 Added)	0 = Disable 1 = Enable	If this program is disabled it will not print out the call that extension made.	0	15-01-49
15	**SMDR output of answered intercom calls** (V2.0 Added)	0 = Disable 1 = Enable	If this program is disabled it will not print out the call that extension answered.	0	15-01-49

Program

15

Conditions

None

Feature Cross Reference

None

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Program 15 : Extension, Basic Setup

15-02 : Multiline Telephone Basic Data Setup

Level:
IN

Description

Use **Program 15-02 : Multiline Telephone Basic Data Setup** to set up various Multiline telephone options.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	Display Language Selection	1 = English 2 = German 3 = French 4 = Italian 5 = Spanish 6 = Dutch 7 = Portuguese 8 = Norwegian 9 = Danish 10 = Swedish 11 = Turkish 12 = Latin American Spanish 13 = Romanian 14 = Polish	(To select options 6 ~ 11, press either 6 or Help, then press line keys 1 ~ 6. To select options 12 ~ 16, press either 12 or Help, then press line keys 1 ~ 5.)	1	
02	Trunk Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming trunk ring for the extension port you are programming.	2	22-03
03	Extension Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming extension call ring for the extension port you are programming. Also refer to Program 15-08.	8	
04	Redial (Speed Dial) Control	0 = Common Abbreviated Dial 1 = Group Speed Dialing	Use this option to control the function of the extension Redial key when used with Speed Dialing. The Redial key can access either the Common/Individual or Group Speed Dialing numbers.	0	

Item No.	Item	Input Data	Description	Default	Related Program
05	Transfer Key Operation Mode	0 = Transfer 1 = Call back 2 = Hook	Use this option to set the operating mode of the extension Transfer key. The keys can be for Call Transfer, Serial Calling or Flash. When selecting the Flash option (selection 2), refer also to Program 81-01-14.	0	
06	Hold Key Operating Mode	0 = Normal (Common) 1 = Exclusive Hold	Use this option to set the function of the Multiline Hold key. The Hold key can activate normal Hold or Exclusive Hold.	0	
07	Automatic Hold for CO Lines	0 = Hold 1 = Disconnect (Cut)	When talking on a CO call and another CO line key is pressed, the original trunk is placed on Hold (0) or Disconnected (1).	1	
08	Automatic Handsfree	0 = Preselect 1 = One-Touch (Automatic Handsfree)	Use this option to set whether pressing a key access a One-Touch Key or if it preselects the key.	1	
09	Auto answer to incoming call from Extension	0 = Off 1 = On		1	
10	Ringing Line Preference for Trunk Calls	0 = Idle (Off) 1 = Ringing (On)	Use this option to select between Idle and Ringing Line Preference for trunk calls.	1	
11	Callback Automatic Answer	0 = Off 1 = On	Use this option to enable or disable automatic answer of calls recalling to a station. For example, if a Transfer Recall or Hold Recall is ringing back to a station, the following happens: If Program 15-02-11 is enabled, the station will automatically answer the recall when it goes off-hook. If Program 15-02-11 is disabled, a station does not automatically answer the recall when it goes off-hook. The user must first press the line appearance of the recalling call or press the answer key.	1	
12	Off-Hook Ringing	0 = Muted Off-Hook Ringing 1 = No Off-Hook Ringing 3 = Beep in Speaker (SP) 4 = Beep in Handset (HS) 5 = Speaker and Handset Beep	Use this option to set the telephone Off-hook signaling. Off-hook signaling occurs when a telephone user receives a second call while busy on a handset call. To enable/disable Off-hook signaling for an extension Class of Service, use Program 20-13-06.	5	
13	Redial List Mode	0 = ICM/Trunk (Extension/Trunk Mode) 1 = Trunk Mode	Select whether the Redial List feature should store internal and external numbers (0), or only external numbers (1).	0	
15	Storage of Caller-ID for answered call	0 = Disable (Off) 1 = Enable (On)		1	
16	Handsfree Operation	0 = Disable (Off) 1 = Enable (On)	Enable or disable an extension ability to use the speakerphone on outside calls. When disabled, users can hear the conversation, but cannot respond handsfree.	1	
18	Power-Saving Mode	0 = Normal mode 1 = Power-Saving Mode (Eco-Mode)		1	

Program

15

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Item No.	Item	Input Data	Description	Default	Related Program
21	**Virtual Extension Access Mode (when idle Virtual Extension key pressed)**	0 = DSS 1 = Outgoing (OTG) 2 = Ignore	Determine whether a Virtual Extension (VE) should function as a DSS key or a Virtual Extension. When DSS (0) is selected, the key functions as a DSS key to the extension and for incoming calls to that extension. When Outgoing (1) is selected, the key functions as a virtual extension and can be used for incoming and outgoing calls. When Ignore (2) is selected, the key functions can receive incoming calls only.	2	
22	**Multiple Incoming From Intercom and Trunk**	0 = Disable 1 = Enable	If enabled, this affects how a Hotline key lights, based on the setting in Program 22-01-01. If 22-01-01 is set to 1 for trunk priority, the Hotline key lights solid when a trunk call rings in. If 22-01-01 is set to 0 for intercom priority, the Hotline key does not light for incoming trunk calls, but lights solid for intercom calls. If 15-02-22 is disabled, Hotline keys light solid for any incoming calls regardless of the setting in Program 22-01-01.	1	22-01-01
23	**Speed Dial Preview Mode**	0 = Preview 1 = Outgoing Immediately	This option defines how a speed dial key functions when pressed. If set to Preview (0), the speed dial number can be previewed before dialing. If set to Outgoing Immediate (1), the number is dialed immediately.	0	
27	**Handset Volume**	0 = Back to Default (Back) 1 = Stay at previous level (Stay)	Determine how an extension handset volume is set after it is adjusted during a call. 🖉 *When 1 is assigned in this program and a user sets the volume to maximum, the volume is reset to a level to meet FCC standards when the user hangs up.*	1	
28	**Message Waiting Lamp Color**	0 = Green 1 = Red	Determine whether an extension Message Waiting Lamp lights Green (0) or Red (1) when a message is received.	1	
29	**PB Back Tone Level**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	This program allows adjustment of the PB Back Tone Level when you are calling an ISDN Line.	32 (0 dB)	
30	**Toll Restriction Class**	0 = Vir. Ext. (Virtual Extension Class) 1 = Real Ext. (Real Extension Class)	Select the Toll Restriction Class to use when placing a call from a virtual extension.	1	15-02-21
34	**Call Register Mode**	0 = Trunk Mode 1 = Extension/Trunk Mode	The Caller ID Scroll stores Trunk calls only (0), or both Internal and Trunk calls (1).	1	
35	**Message Waiting Lamp Cycle for Calling Extension**	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has set Message Waiting.	3	

Program

15

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Program

15

Item No.	Item	Input Data	Description	Default	Related Program
36	**Message Waiting Lamp Cycle for Called Extension**	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has Message Waiting set to the extension.	2	
37	**Voice Mail Message Wait Lamp Color**	0 = Green 1 = Red	Select the color of the Large LED when a voice mail message is waiting at the extension.	1	
38	**Voice Mail Message Wait Lamp Cycle**	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has a VM Message Waiting set to the extension.	2	
40	**Additional Dial for Caller ID Call Return**	Up to four digits (0, 1 ~ 9, #, *)	Enter the digits to be dialed in front of the Caller ID when using the Caller ID Return function.	No setting	
41	**Incoming Ring Setup**	0=Speaker Normal Ring 1=Headset Ring		0	11-11-37 11-11-62 15-02-12 15-02-42 20-13-06
42	**Incoming Off-Hook Ring Setup**	0=Speaker Off-Hook Ring 1=Headset Off-Hook Ring		0	11-11-37 11-11-62 15-02-12 15-02-41
43	**Headset Ring Duration**	0=No Switch to Speaker Ring 1=10 sec 2=20 sec 3=30 sec 4=40 sec 5=50 sec 6=1 minute		0	11-11-62 15-02-41 15-02-42
46	**Backlight LCD duration**	0 = Continuous on 1 = 5 seconds 2 = 10 seconds 3 = 15 seconds 4 = 30 seconds 5 = 60 seconds	Set how long the Backlight LCD stays on.	2	
48	**Short Ring Setup**	0 = Disable 1 = Enable		0	80-09-01 80-09-02 80-09-03
50	**Mute Lamp Status Change**	0 = normal 1 = Lamp Status Change		0	
52	**Voice Mail Message Waiting Lamp Setup**	0 = Light the VM F-Key only 1 = Light the MW lamp only 2 = Light both MW Lamp and VM Key	This program is not followed if one of the F-keys is assigned as a VM key of some other mailbox.	0	15-07-01
54	**Menu Operation Mode**	0 = Automatic Close 1 = Manual Close		0	
55	**VRS Message Number**	0 ~ 100		0	
57	**Caller Log on busy**	0 = Off 1 = On		1	15-02-34

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Item No.	Item	Input Data	Description	Default	Related Program
58	**Display mode of trunk incoming** (V1.5 Deleted)	0 = Caller ID 1 = Memo Information		0	13-04-08 13-04-09 13-04-10
60	**Soft Key/Navigation key Mode**	0 = Standard Mode 1 = Advanced Mode1 2 = Advanced Mode2		2	
61	**Backlight Max Brightness**	0 ~ 8		6	
62	**Backlight Min Brightness**	0 ~ 8		0	
63	**Auto Backlight**	0 = Off 1 = On		0	15-02-64
64	**Auto Backlight bound threshold (auto setting)**	0 ~ 13		13	15-02-63
65	**Auto Backlight bound threshold (manual setting)**	0 ~ 13		0	
66	**Dial Button Backlight**	0 = Off 1 = On		1	
67	**Caller ID shared groups**	0 = Personal 1 ~ 8 = Shared Group		0	20-49-01
68	**Mode setting for incoming call from extension**	Read Only: 0 = Voice 1 = Signal	*This program can only be change by using PC Programming.*	1	
70	**MIC Key Operation** (V2.0 Added)	0 = Enabled (Active) 1 = Disabled	This program determines whether the MIC key is operational during a call.	0	

Lamp Cycle On/Off Timing Pattern (Program 15-02-35, 36, 38)

Programs 15-02-35, 36, and 38		
Input		**Cycle**
1	Cycle 1	500 ms - ON / 500 ms - OFF
2	Cycle 2	250 ms - ON / 250 ms - OFF
3	Cycle 3	125 ms - ON / 125 ms - OFF
4	Cycle 4	125 ms - ON / 125 ms - OFF / 125 ms - ON / 625 ms - OFF
5	Cycle 5	875 ms - ON / 125 ms - OFF
6	Cycle 6	625 ms - ON / 125 ms - OFF / 125 ms - ON / 125 ms - OFF
7	Cycle 7	1000 ms - ON

Program 15-02 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
External Incoming Signal Frequency (Pattern 1)	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz 16 Hz 16 Hz
External Incoming Signal Frequency (Pattern 2)	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz

Program

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Incoming Signal Fre-quency Pattern	Type	Frequency 1	Frequency 2	Modulation
External Incoming Signal Frequency (Pattern 3)	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz 16 Hz 16 Hz
External Incoming Signal Frequency (Pattern 4)	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz 8 Hz 8 Hz
Internal Incoming Signal Fre-quency	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz

Program

15

Conditions

None

Feature Cross Reference

None

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Program 15 : Extension, Basic Setup

15-03 : Single Line Telephone Basic Data Setup

Level:
IN

Description

Use **Program 15-03 : Single Line Telephone Basic Data Setup** to set up various single line telephone options.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	**SLT Signaling Type**	0 = DP 1 = DTMF	Use this option to tell the system the type of dialing the connected telephone uses. For Analog Wireless telephones to function correctly, this must be set to 0 (dial pulse). If this option is set for DTMF, after an outside call is placed, the system cannot dial any additional digits. This program change is automatically performed when the Analog Wireless telephone is registered. When upgrading software from prior versions, the previous default of 1 is saved from the prior database so this option must be changed manually.	1	15-03-03 45-01-01
03	**Terminal Type**	0 = Normal 1 = Special	Enter 1 for this option to allow a single line port to receive DTMF tones after the initial call setup. Enter 0 to have the port ignore DTMF tones after the initial call setup. For Voice Mail, always enter 1 (e.g., receive DTMF tones).	0	15-03-01 45-01-01
04	**Flashing**	0 = No 1 = Yes	Enables/disables Flash for single line telephones.	1	
05	**Trunk Polarity Reverse**	0 = Off 1 = On	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0	
06	**Extension Polarity Reverse**	0 = Disable (Off) 1 = Enable (On)	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0	
07	**Enabled On-Hook When Holding (SLT)**	0 = No 1 = Yes		1	11-12-45
08	**Answer On-Hook when Holding (SLT)**	0 = Disable (No) 1 = Yes (Enable)		1	11-12-46

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Item No.	Item	Input Data	Description	Default	Related Program
09	**Caller ID Function - For External Module**	0 = Disable (Off) 1 = Enable (On)	Enable (1) or disable (0) the Caller ID FSK signal for an external Caller ID module or a 3rd party vendor telephone with Caller ID display. ***Important:*** If voice mail is used, this setting must be disabled for the system integration codes to be correct. 🖉 *With a Single Line Telephone, this must be set to 0 for incoming callers to have a talk path.*	0	
10	**Caller ID Name**	0 = Disable 1 = Enable	Determine if an extension user telephone should display the Caller ID name.	1	15-03-09
12	**Fixed Cadence**	0 = Normal 1 = Fixed		1	
13	**MW sending type**	0 = Lamp 1 = Caller ID		0	
14	**Forwarded Caller ID Display Mode**	0 = Calling Extension Number (Calling) 1 = External Caller ID (Forward)	Determine what the display shows when a multiline terminal receives a forwarded outside call.	0	
15	**Disconnect without dial after hooking hold**	0 = Normal 1 = Disconnect	Determine whether or not to disconnect a held call when on-hook without any dialing after hooking-hold.	0	
16	**Special DTMF Protocol Send**	0 = No 1 = Yes	Determine whether or not to send the extension number of the phone forwarded to the extension when Program 15-03-04 is set to Special (1) and not in the VM group.	0	45-01-16
17	**Dial Tone Select**	0 = Normal 1 = New DT	When the function of MW has been set from another extension or VM, the dial tone upon off hook is selected.	0	
18	**Select Special Terminal Type** (V2.0 Added)	0 = Fax 1 = Modem	This PRG is used for selecting Special Terminal Type (Fax or Modem). This setting influences how to transmit data via SIP trunk. This PRG is effective at the time of when PRG15-03-03 1: Special.	0	15-03-03

Program

15
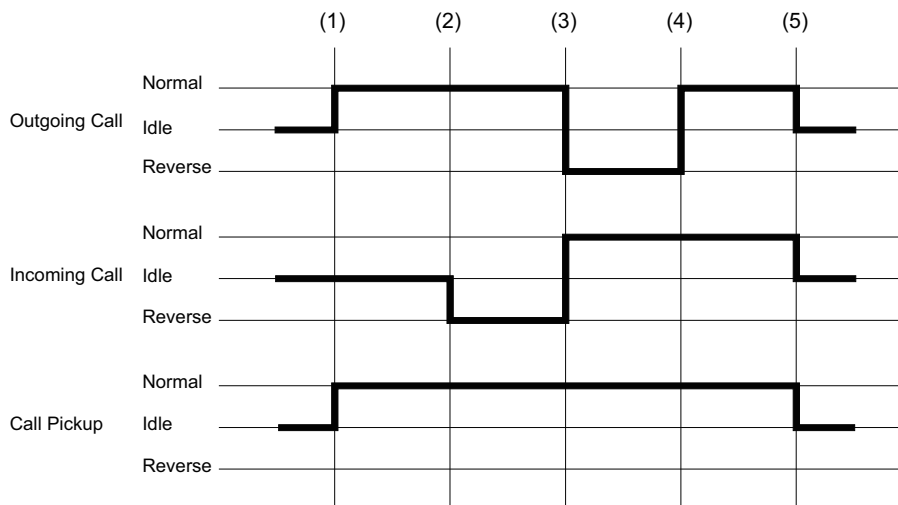
(1) = Off-Hook   (2) = Calling/Ringing   (3) = Answer   (4) = Detect Hang Up   (5) = On-Hook

DFW Phone 972-992-4600

Conditions

None

Feature Cross Reference

• Single Line Telephones

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Program 15 : Extension, Basic Setup

15-05 : IP Telephone Terminal Basic Data Setup

Level:
IN

Description

Use **Program 15-05 : IP Telephone Terminal Basic Data Setup** to set up the basic settings for an IP telephone.

Program

15

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	Terminal Type	Read Only: 0 = NGT 1 = H.323 2 = SIP 3 = MEGACO 4 = SIP-MLT		-	
02	IP Phone Fixed Port Assignment	MAC address 00-00-00-00-00-00 ~ FF-FF-FF-FF-FF-FF	MAC Address of registered SIP MLT phone is stored and/or can input the MAC address of an SIP MLT phone so when it comes online it is provided with the extension in which the MAC address matches.	00-00-00- 00-00-00	15-05-01
04	Nickname	Up to 48 characters	Nickname section on Invite message. Example : Extension 100 has a Nickname set to PAUL. Extension 101 has command 15-05-17 set to Nickname. The inbound call to extension 101, from 100, shows PAUL. Nickname must be unique in the system.	No Setting	15-05-17
07	Using IP Address	Read Only: 0.0.0.0 ~ 255.255.255.255		-	15-05-01
09	Call procedure port	Read Only: 0 ~ 65535		-	15-05-01
15	CODEC Type	1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5	Assign the CODEC Type of the SIP MLT.	1	84-24 84-11 15-05-01
16	Authentication Password	Up to 24 characters	Assign the authentication password for SIP single line telephones.	None	15-05-01

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Item No.	Item	Input Data	Description	Default	Related Program
18	IP Duplication Allowed Group	0 = Not Used 1 = Group 1 2 = Group 2 3 = Group 3 4 = Group 4 5 = Group 5 6 = Group 6 7 = Group 7 8 = Group 8 9 = Group 9 10 = Group 10	If there is an adapter that has one IP address coming into it but has multiple extensions off of it. Assign all the extensions to a group so that way the CPU knows that the one IP address is assigned to multiple extensions.	0	15-05-01
20	Bottom Option Information	Read Only: 0 = No Option 1 = ADA 2 = BHA 3 = WHA	Shows the type of adapter installed.	0	10-03-10
26	DR700 Terminal Type	0 = Not Set 2 = ITL-()D-1D/ ITL-24BT-1D/ ITL-24PA-1D (without 8LKI (LCD)-L) 5 = Softphone 6 = CTI 9 = IP4WW-24TIXH		0	
27	Personal ID Index	0 ~ 084	Used when the SIP Multiline telephone is using manual/auto registration. Assign each phone a unique personal index. Then go to command 84-22 to assign the user name and password.	0	84-22
28	Addition Information Setup	0 = Do not inform 1 = Inform	Select whether to inform of additional information or not.	0	15-01-01 15-02-13 15-02-15 15-02-34
29	Terminal WAN-side IP Address	Read Only: 0.0.0.0 ~ 255.255.255.255		0.0.0.0	
30	DTMF Play during Conversation at Receive Extension	0 = Do Not Play 1 = Play		0	
31	Alarm Tone during Conversation (RTP packet loss alarm)	0 = Off 1 = On		1	
33	LAN Side IP Address of Terminal	Read Only: 0.0.0.0 ~ 255.255.255.255		0.0.0.0.	
35	Encryption Mode On/Off	Read Only: 0 = Off 1 = On		0	
36	DR700 Firmware Version	Read Only: 00.00.00.00 ~ ff.ff.ff.ff	Indicate a current firmware Version.	00.00.00.00	
38	Paging Protocol Mode	0 = Multicast 1 = Unicast 2 = Auto	Sets the protocol mode for the Paging function.	0	
39	CTI Override Mode	0 = Disable 1 = Enable		0	

Program

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Item No.	Item	Input Data	Description	Default	Related Program
40	**Calling name display info via trunk for standard SIP**	0 = Both name and number 1 = Name only 2 = Number only 3 = None		0	
41	**Time Zone(hour)**	0 ~ 24 (- 12 ~ + 12 hour)		12	
43	**Video Mode**	0 = Disable 1 = Enable		0	
44	**Using STD-SIP Display for CPN**	0 = Disable 1 = Enable		0	
45	**NAT plug & play**	0 = OFF 1 = ON	Effective when PRG 10-46-14 is set to NAT mode. Select sending RTP port number to remote Router, use from negotiation result (0) or received RTP packet (1).	1	10-46-14

Program

15

Conditions

None

Feature Cross Reference

None

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Program 15 : Extension, Basic Setup

15-06 : Trunk Access Map for Extensions

Level:
IN

Description

Use **Program 15-06 : Trunk Access Map for Extensions** to define the trunk access map for each extension. An extension can place only outgoing calls on trunks to which it has outgoing access. Use Program 14-07 to define the available access maps.

Program

15

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Trunk Access Map Number**	001 ~ 084	1	14-07

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

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Program 15 : Extension, Basic Setup

15-07 : Programmable Function Keys

Level:
SA

Program

15

Description

Use **Program 15-07 : Programmable Function Keys** to assign functions to a multiline terminal line keys.

For certain functions, you can append data to the key basic function. For example, the function 26 appended by data 1 makes a Group Call Pickup key for Pickup Group 1. You can also program Function Keys using Service Codes.

To clear any previously programmed key, press **000** to erase any displayed code.

Input Data

Extension Number	Maximum eight digits

Default Settings

Line Key	Function Number	Additional Data
LK01	∗01 (Trunk Line Key)	1
:	:	:
LK12	∗01 (Trunk Line Key)	12
LK13	0 (No setting)	0
:	:	:
LK24	0 (No setting)	0

Item No.	Item	Input Data	Additional Data
01	**Line Key Number**	1 ~ 24	Refer to Table 2-2 Function Number List on page 2-135.
	Function Number	0 ~ 99, #0 ~ #99 (Normal Function Code) (Service Code 751 by default) ∗00 ~ ∗99 (Appearance Function Code) (Service Code 752 by default)	Refer to Table 2-2 Function Number List on page 2-135.

Default

Programmable keys 1 ~ 8 are Trunk Line keys (key 1 = Trunk Line 1, key 2 = Trunk Line 2, etc.). All other programmable keys are undefined.

Function Number List

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Table 2-2 Function Number List

[1] Normal Function Code (00 ~ 99, #00 ~ #99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension number or any numbers (up to 36 digits)	**On (Red) :** DSS Ext. Busy **Off :** DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME **Fast Blink (Red) :** DND Intercom, DND All, CFW Imm	
02	Microphone (Mute) Key (ON/OFF)		**On (Red) :** Mic On **Off :** Mic Off	
03	DND Key		**On (Red) :** DND Setup	
04	BGM (ON/OFF)		**On (Red) :** Active	
05	Headset		**On (Red) :** Headset Operating	
06	Transfer Key		None	
07	Conference Key		**On (Red) :** Conference Operating	
08	Incoming Call Log		**Fast Blink (Red) :** Existing New CID **On (Red) :** Existing Checked CID **Off :** No CID	
09	Day/Night Mode Switch	Mode number (1 ~ 8) (0 = toggle)	**On :** While each mode	
10	Call Forward - Immediate		**On (Red) :** Setup	
11	Call Forward - Busy		**On (Red) :** Setup	
12	Call Forward -No Answer		**On (Red) :** Setup	
13	Call Forward - Busy/No Answer		**On (Red) :** Setup	
14	Call Forward - Both Ring		**On (Red) :** Setup	
15	Call Forward - Follow Me		**Fast Blink (Red) :** Setup **Slow Blink :** To be setup	
18	Text Message Setup	Selectable Display Message Numbers (01 ~ 20)	**On (Red) :** Setup	
19	External Group Paging	External Paging Number (1 ~ 6)	**On (Red) :** Active	
20	External All Call Paging		**On (Red) :** Active	
21	Internal Group Paging	Internal Paging Number (01 ~ 32)	**On (Red) :** Active	
22	Internal All Call Paging		None	
23	Privacy Release		None	
24	Call Pickup for own group		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (01 ~ 32)	None	

Program

15

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Program

15

Function Number	Function	Additional Data	LED Indication	Note
27	Speed Dial - Common/Private	Speed Dial Number (Common / Private)	None	
28	Speed Dial - Group	Speed Dial Number (Group)	None	
29	Repeat Redial		**On (Red) :** Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet - Me Conference		None	
33	Override (Off-Hook Signaling)		None	
34	Break - In		None	
35	Camp On		**On (Red) :** Active	
36	Step Call		None	
37	DND/FWD Override Call		None	
38	Message Waiting		None	
39	Room Monitoring		**Slow Blink (Red) :** Monitoring **Fast Blink (Red) :** To be monitored	
41	Buzzer	Extension Number	**On (Red) :** Calling party **Fast Blink (Red) :** Called party	
42	Boss - Secretary Call	Extension Number	**On (Red) :** Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		**On (Red) :** Withdrawing	
47	Reverse Voice Over ✎ *Softphone doesn't support Reverse Voice Over. (V1.5 Added)*	Extension Number	Same as DSS	
48	Voice Over		**On (Red) :** Responding **Slow Blink (Red) :** Listening	
49	Call Redirect	Extension Number or Voice Mail Number	None	
50	Account Code		None	
52	Automatic Answer with Delay Message Setup	Incoming Ring Group (01 ~ 25)	**On (Red) :** Setup	
53	Automatic Answer with Delay Message Start		**On (Red) :** Delay Message Answering	
54	External Call Forward by Door Box		**On (Red) :** Setup	

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Function Number	Function	Additional Data	LED Indication	Note
55	Extension Name Change		None	
56	General Purpose LED Operation	001 ~ 100 : (Red) On ⇔ Off	001 ~ 100 : (Red) On⇔ Off	
57	General Purpose LED Indication	001 ~ 100 : (Red) On⇔ Off	001 ~ 100 : (Red) On⇔ Off	
58	Automatic Transfer at Department Group Call	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
59	Delayed Transfer at Department Group Call	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
60	DND at Department Group Call	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		**On (Red) :** Mode enabled	
66	CTI		**On (Red) :** CTI active	
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad RE-TRIEVE Key			
75	Keypad Conference Key			
76	Application Key	Any dial data (8 digit)	None	
77	Voice Mail (In-Skin)	Extension Number or Pilot Number	**<InMail>** **Fast Blink (Green) :** New Message (s) in own Mailbox. **Slow Blink (Red) :** New Message (s) in other Mailbox. **<External VM>** **On (Red) :** Access to Voice Mail **Fast Blink (Green) :** New Message (s) in own Mailbox. **Slow Blink (Red) :** New Message (s) in other Mailbox.	
78	Conversation Recording - Voice Mail		**Fast Blink :** Recording	
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number	**On (Red) :** Setup - All calls **Fast Blink (Red) :** Setup - No answer calls **(125msec on/125msec off/125msec on/625msec off) (Red) :** Setup - busy calls **Slow Blink (Red) :** Setup – busy/noans calls	
80	Tandem Ringing	1 = Set 0 = Cancel Extension Number to Tandem Ring	**On (Red) :** Master Side **Slow Blink :** Slave Side	
81	Automatic Transfer to Transfer Key	Trunk Line No. (001-084)	**Off :** Cancel **Slow Blink (Red) :** Set	

Program

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Function Number	Function	Additional Data	LED Indication	Note
83	Conversation Recording Function (VMSU)	0 = Pause 1 = Re-recording 2 = Address 3 = Erase 4 = Urgent Page		
84	Drop Key	None		
86	Private Call Refuse	None	**Off :** Cancel **Slow Blink (Red) :** Set	
87	Caller ID Refuse	None	**Off :** Cancel **Slow Blink (Red) :** Set	
88	Dial-In Mode Switching	Program 22-17 Table No. (1 ~ 500)	**Off :** Pattern 1, Pattern 5 ~ 8 **On (Red) :** Pattern 2 **Slow Blink (Red) :** Pattern 3 **(125msec on/125msec off/125msec on/625msec off) (Red) :** Pattern 4	
91	Live Recording Key		**Slow Blink (Green) :** Set	
94	Call Attendant		**Fast Blink (Red) :** Setup - No answer calls **(125 ms : On / 125 ms : Off / 125 ms : On / 625 ms : Off) (Red) :** Setup - Busy calls **On (Red) :** Setup - Busy/No answer calls	
97	Door Box Access Key	Door Box Number (1-6)	**On (Red) :** Doorphone Busy **Off :** Doorphone Idle **Fast Blink (Red) :** Doorphone Incoming	
#02	-- Cutting the telephone power --	Package Number (2-9)	**On (Red) :** Set **Off :** Cancel	
#03	-- Remote Monitor Permit --		**Slow Blink (Red) :** Remote Monitor Permit **Off :** Remote Monitor Deny	

Table 2-3 Function Number List

[2] Appearance Function Level (∗00 ~ ∗99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication	Note
∗00	ICM Key	None		
∗01	Trunk Key	Trunk Number (001 ~ 084)	**Fast Blink (Green) :** Incoming(own)/Recall(own) **Fast Blink (Red) :** Incoming(other) **On (Green) :** Speaking(own) **On (Red) :** Speaking(other) **Slow Blink (Green) :** Holding(own)/Transferring(own) **Slow Blink (Red) :** Holding(other)/Transferring(other)/Recall(other)	
∗02	Trunk Group	Trunk Group Number (001 ~ 025)	**Fast Blink (Red) :** Incoming (own/other)	
∗03	Virtual Extension Key	Extension Number or Department Group Number	**Fast Blink (Red) :** Incoming(own/other)/Recall(own) **On (Green) :** Speaking(own) **On (Red) :** Speaking(other) **Slow Blink (Green) :** Holding(own)/Transferring(own) **Slow Blink (Red) :** Holding(other)/Transferring(other)/Recall(other)	
∗04	Park Key	Park Number (01 ~ 64)	**Slow Blink (Green) :** Holding(own) **Fast Blink (Green) :** Recall(own) **Slow Blink (Red) :** Holding(other)	

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Func-tion Number	Function	Additional Data	LED Indication	Note
*05	Loop Keys *Use Programs 15-13-01 and/or 15-13-02 to assign the loop key to a trunk group.*	0 = Incoming 1 = Outgoing 2 = Both	None	
*06	Trunk Access via Networking	Network System No. 1 ~ 4	None	(V1.5 Added)
*07	Station Park Hold	None	**Slow Blink (Green) :** Holding(own) **Fast Blink (Green) :** Recall(own)	
*10	ACD Log in / Log out		**On :** Logged in **Off :** Logged out	(V1.5 Added)
*13	ACD off-duty mode (Rest Mode)		**On :** While Setup **Slow Blink :** Rest Mode Setup	(V1.5 Added)
*17	ACD Work wrap up time		**On :** While wrap up time **Slow Blink :** While setup wrap up time	(V1.5 Added)
*19	ACD Queue Status Display		None	(V1.5 Added)
*32	Warning Message		**On (Red) :** Play warning message **Off :** Stop warning message	
*33	Sensor Mode		**On (Red) :** Security Sensor On **Off :** Security Sensor Off **(125msec:on / 125msec:off / 125msec:on / 625msec:off) :** Security Sensor Delay Timer (PRG20-50-01) is starting. (V1.5 Added)	

Program

15

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LED Pattern 0:[OFF]

On

Off

LED Pattern 1:[FL: On(500ms)/Off(500ms)]

On

Off

LED Pattern 2:[WK: On(250ms)/Off(250ms)]

On

Off

LED Pattern 3:[RW: On(125ms)/Off(125ms)]

On

Off

LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]

On

Off

LED Pattern 5:[IL On(875ms)/Off(125ms)]

On

Off

LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]

On

Off

LED Pattern 7:[ON]

On

Off

Program

15
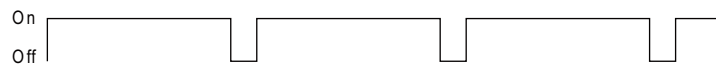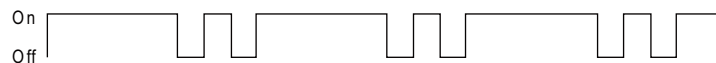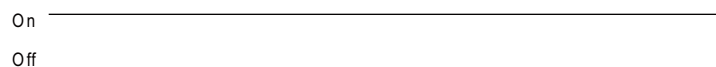
LED Indication Reference :
ON = LED pattern 7.
OFF = LED pattern 0.
Rapid Blink = LED pattern 3.
Slow Blink (General Function Level) = LED pattern 5.
Slow Blink (Appearance Function Level) = LED pattern 1.
Fast Blink = LED pattern 3.
Stutter Blink = LED pattern 4.

Conditions

• When a key is programmed using service code 752, it cannot be programmed with a function using the 751 code until the key is undefined (000). For example with a Park Key programmed by dialing 752 + *04 must be undefined by dialing 752 + 000 before it can be programmed as a Voice Over key by dialing 751 + 48.

Feature Cross Reference

None

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Program 15 : Extension, Basic Setup

15-08 : Incoming Virtual Extension Ring Tone Setup

Level:
IN

Program

15

Description

Use **Program 15-08 : Incoming Virtual Extension Ring Tone Setup** to assign a ring tone range (0 ~ 4) to incoming virtual extensions assigned to a Virtual Extension key (Program 15-07). If you enable ringing for the key in Program 15-09, the key rings with the tone you set in this program. Also see Program 22-03. The chart below shows the available tones. There are 084 available extension ports.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default
01	**Incoming Ring Pattern**	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Ring Tone Extension	When an extension or a virtual extension is assigned to the function key on the key telephone, select the ring tone when receiving a call on that key.	0 = Tone Pattern 1

Table 2-4 Program 15-08 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz 16 Hz 16 Hz
Pattern 2	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz
Pattern 3	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz 16 Hz 16 Hz
Pattern 4	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz 8 Hz 8 Hz
Internal Incoming Signal Frequency	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz

Conditions

None

Feature Cross Reference

None

Program

15

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Program 15 : Extension, Basic Setup

15-09 : Virtual Extension Ring Assignment

Program

15

Level:
SA

Description

Use **Program 15-09 : Virtual Extension Ring Assignment** to assign the ringing options for an extension Virtual Extension Key or Virtual Extension Group Answer Key which is defined in Program 15-07. You make an assignment for each Night Service Mode.

Assign extension numbers and names to virtual extension ports in Program 15-01. Program Virtual Extension keys in Program 15-07 (code ∗03). There are 50 Virtual Extension Ports.

Input Data

Extension Number	Maximum eight digits

Key Number	01 ~ 24

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Ringing**	0 = No Ringing 1 = Ring	0

Conditions

• Program the Multiple Directory Number function keys **NOT** to ring before removing the key from telephone programming.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-10 : Incoming Virtual Extension Ring Tone Order Setup

Level:
SA

Program

15

Description

Use **Program 15-10 : Incoming Virtual Extension Ring Tone Order Setup** to set the priority (1 ~ 4) for the Virtual Extension Ring Tones set in Program 15-08. When Virtual Extension calls ring an extension simultaneously, the tone with the highest order number (e.g., 1) rings. The other keys only flash. There are 50 Virtual Extension ports.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Related Program
01	**Priority Order**	1 ~ 4	When two or more virtual extensions are set on a function key on the telephone, and the tone pattern by which the sound of each extension differs, the priority of ring sound is set up.	15-08
	Data	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Extension Ring Tone		

Default

• By default, Virtual Extension ring tones have the following order :

Priority Order	Ring Tone (Set in Program 15-08)
1	0 (Tone Pattern 1)
2	1 (Tone Pattern 2)
3	2 (Tone Pattern 3)
4	3 (Tone Pattern 4)

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-11 : Virtual Extension Delayed Ring Assignment

Level:
SA

Description

Use **Program 15-11 : Virtual Extension Delayed Ring Assignment** to assign the delayed ringing options for an extension Virtual Extension or Virtual Extension Group Answer keys (defined in Program 15-09). You make an assignment for each Night Service Mode. There are 50 Virtual Extension Ports.

Assign extension numbers (Program 11-04) and names (Program 15-01) to virtual extension ports. Program Multiple Directory Number (virtual extension) keys in Program 15-07 (code ∗03).

Input Data

Extension Number	Maximum eight digits

Key Number	01 ~ 24

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Ringing**	0 = Immediate Ring 1 = Delayed Ring	0	20-04-03 15-09-01

Conditions

• Program the Virtual Extension keys **NOT** to ring before removing the key from telephone programming.
• Program 15-09-01 has to be assigned to Ring Immediately before assigning the VE key to Delay Ring.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-12 : Conversation Recording Destination for Extensions

Level:
IN

Program

15

Description

Use **Program 15-12 : Conversation Recording Destination for Extensions** to set the Conversation Recording destination for each extension.

✎ *If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.*

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default
01	**Recording Destination Extension Number**	Maximum eight digits	Enter the extension number to which the trunk calls should be recorded.	No Setting
02	**Automatic Recording for Incoming Calls**	0 = Off 1 = On	Determine if an extension incoming calls should be automatically recorded.	0
03	**Recording Contents Storing Method**	0 = Save to dialed Mail Box 1 = Save to own Mail Box		0
04	**Automatic Recording for Outgoing Calls**	0 = Off 1 = On	Determine if an extension outgoing calls should be automatically recorded.	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-13 : Loop Keys

Level:
IN

Program

15

Description

Use **Program 15-13 : Loop Keys** to assign the Loop Key data for each keyset terminal. Loop Keys can be incoming, outgoing or both ways. Outgoing Loop Keys use the entry in item 1. Incoming Loop Keys use the entry in item 2. Both Way Loop Keys follow the entries in both item 1 and 2.

Input Data

Extension Number	Maximum eight digits

Key Number	01 ~ 24

Item No.	Item	Input Data	Default
01	**Outgoing Option**	0 ~ 25 (0 = Assigns the Loop Key for ARS, 1 ~ 25 = Assigns the Loop Key to the trunk group specified)	0 (Programming Function Key No. 01 ~ 24)
02	**Incoming Option**	0 ~ 25 (0 = Assigns the Loop Key to all trunk groups, 1 ~ 25 = Assigns the Loop key to the trunk group specified)	0 (Programming Function Key No. 01 ~ 24)

Conditions

• Please set Loop Key at Program 15-07 before setting Program 15-13.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-14 : Programmable One-Touch Keys

Level:
SB

Program

15

Description

Use **Program 15-14 : Programmable One-Touch Keys** to define the One-Touch key data for each multiline terminal.

For each SL1100 Wireless telephone to use the Transfer When Out of Range feature, enter the destination number (up to 36 digits) and name (up to 12 characters) into One-Touch bin 10. Make sure to add any required trunk access codes for outside numbers. If this bin information is changed either through 15-14-01 or through user programming, the destination for the transferred calls is also changed.

Input Data

Extension Number	Maximum eight digits

Key Number	01 ~ 10

Item No.	Item	Input Data	Default
01	**Dial Data**	1 ~ 0, ∗, #, P, R, @ (Code for Answer-Wait) (Maximum of 36 digits)	No setting
02	**Name**	Up to 12 characters	No setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-16 : SIP Register ID Setup for Extension

Level:
IN

Program

15

Description

Use **Program 15-16 : SIP Register ID Setup for Extension** to define the SIP Register ID for Extensions.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default
01	**Register ID**	None, 0 ~ 31	None

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-17 : CO Message Waiting Indication

Level:
IN

Program

15

Description

Use **Program 15-17 : CO Message Waiting Indication** to set the message waiting LED Flash assignment on each CO line.

Input Data

Extension Number including Virtual Extensions	Up to eight digits

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	**LED Flash Assignment**	0 = LED Off 1 = LED On	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-18 : Virtual Extension Key Enhanced Options

Level:
IN

Program

15

Description

Use **Program 15-18 : Virtual Extension Key Enhanced Options** to define the operation when a Virtual Extension Key is pressed.

Input Data

Extension Number including Virtual Extensions	Up to eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	**Virtual Extension Key Operation Mode**	0 = Release 1 = Land on the key	Define if calls to a Virtual Extension Key land on the Virtual or on the extension/CO appearance. ✎ *This is assigned for the Virtual Extension Key, not the extension it resides on.*	0	20-04-01
02	**Display mode when placing a call on Virtual Extension Key**	0 = Secondary Extension Name 1 = Actual Station Name	Defines if calls to or from a Virtual Extension Key display the Virtual Extension Key name or the name of the extension it resides on.	1	

Condition

• If a DIL rings a Virtual Extension, the Virtual Extension Key Operation Mode must be set to **1**.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-22 : Mobile Extension Setup

Level:
IN

Program

15

Description

Use **Program 15-22 : Mobile Extension Setup** to set the system information for the Mobile Extension feature.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Description	Default
01	**Mobile Extension Target Setup**	0 ~ 999 (0 = No setting/1 ~ 999 = target of mobile extension)	Set which Speed Dial bin is used to call when the Mobile extension is called.	0
02	**Connect Confirmation**	0 = Always 1 = On Analog Line 2 = Never	Select when a confirmation (dial ∗) is required to allow the call to cut over to the called mobile number.	0
03	**Trunk Access Code**	0 = Use normal trunk access code (Program 11-09-01) 1 = Use individual trunk access code (Program 11-09-02)	Select if the Normal (0) or Individual (1) Trunk access is used when making the call to the mobile number.	0
04	**Call Back**	0 = Disable 1 = Enable		0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-24 : Registration of Standard SIP Terminal

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 15-24 : Registration of Standard SIP Terminal** to register data in the standard SIP terminal where Register is not used.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Using IP Address**	0.0.0.0 ~ 255.255.255.255	IP Address of the standard SIP terminal that is used as the SIP extension. When Program 15-24-03 is set to 1, this Program cannot be changed from 0.0.0.0 (except using PCProgramming).	0.0.0.0
02	**Call Procedure Port**	0 ~ 65535	Call procedure port of the standard SIP terminal that is used as SIP extension.	5060
03	**Registration Setting when REGISTER isn't used**	0 = Disable 1 = Enable	Enables or disables the Registration method. An error will occur if Program 15-24-01 is 0.0.0.0 and this Program is set to 1 (except using PCProgramming).	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 15 : Extension, Basic Setup

15-28 : Trunk Incoming Ring Tone of Extension Setup

Level:
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 15-28 : Trunk Incoming Ring Tone of Extension Setup** to define the ringing tone for each trunk port of extension.

Input Data

Extension Number	Up to eight digits

Trunk port number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Trunk Incoming Ring Tone**	0 = Trunk incoming ring tone 1 = High 2 = Middle 3 = Low 4 = Melody 1 5 = Melody 2 6 = Melody 3 7 = Melody 4 8 = Melody 5	0	22-03 15-02-02

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 16 : Department Group Setup

16-01 : Department Group Basic Data Setup

Program

16

Description

Use **Program 16-01 : Department Group Basic Data Setup** to set the function mode for each department group. There are 32 available Department Groups.

Input Data

Department Group Number	1 ~ 32

Item No.	Item	Input Data	Description	Default	Related Program
01	**Department Name**	Maximum 12 characters		No Setting	11-07
02	**Department Calling Cycle**	0 = Normal Routing (Priority) 1 = Easy - UCD Routing (Circular)	Use this option to set the call routing for Department Calling. Routing can be either circular (cycles to all phones in group) or priority (cycles to highest priority extensions first).	0	16-02
03	**Department Routing when Busy (Auto Step Call)**	0 = Normal (Intercom caller to busy department member hears busy) 1 = Circular (Intercom callers to busy department member routes to idle member)	Set this option to set how the system routes an Intercom call to a busy Department Group member. Intercom callers to the extension can either hear busy or route to the first available department number. This only occurs for calls to the extension directly, not the department number assigned in Program 11-07.	0	16-02
04	**Hunting Mode**	0 = Last extension is called and hunting is stopped 1 = Circular	Use this option to set the action taken when a call reaches the last extension in the Department Group (0 = hunting stopped, 1 = hunting repeats with circular routing through the Department Group).	0	
05	**Extension Group All Ring Mode Operation**	0 = Manual (Service Code) 1 = Automatic	Determine whether calls ringing a Department Group should ring all extensions in the group simultaneously automatically or manually when using the service code defined in Program 11-12-09. 🖉 *When set to (1) Automatic, only ICM Calls and DID Calls will ring all the stations in the Department Group.*	0	11-16-10
06	**STG Withdraw Mode**	0 = Disable (Camp On) 1 = Enable (Overflow Mode)		0	
07	**Call Recall Restriction for STG**	0 = Disable (Recall) 1 = Enable (No Recall)	Determine whether or not an unanswered call transferred to a Department Group should recall the extension from which it was transferred.	0	

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Item No.	Item	Input Data	Description	Default	Related Program
08	**Maximum Queuing number for Department Group Call**	0 ~ 32 (0 = No Queuing)	To have Department Group calls queue when busy, set this entry to maximum queuing number.	0	
09	**Department Hunting No Answer Time**	0 ~ 64800 seconds	Set how long a call rings a Department group extension before hunting occurs.	15	
10	**Enhanced Hunt Type**	0 = No hunting 1 = Hunting When Busy 2 = Hunting When Not Answered 3 = Hunting When Busy or No Answer	Set the type of hunting for each Extension (Department) Group.	0	

Program

16

Conditions

None

Feature Cross Reference

• Department Calling

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Program 16 : Department Group Setup

16-02 : Department Group Assignment for Extensions

Level:
IN

Program

16

Description

Use **Program 16-02 : Department Group Assignment for Extensions** to set the Department Groups. The system uses these groups (32 Department Groups) for Department Calling. Assign pilot numbers to Department Groups you set up in Program 11-07. This lets system users place calls to the departments. Use Program 16-01 to set the priority of each extension in each Department Group. When a call comes to the group, the extensions ring in order of their priority.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default	Description	Related Program
01	**Group Number**	1 ~ 32	1 - xxx (See 🖉)	Set up the Department Group called by the pilot number and the extension priority when a group is called. Call Pickup Groups are set up in 23-02.	11-07 16-01
	Priority	1 ~ 999			

🖉 *The initial value of a priority becomes the ports numerical order assigned in Programs 11-02 and 11-04. (Extension ports are 1 ~ 100 (V2.0 or higher) Virtual extension ports are 1 ~ 50.)*

Conditions

None

Feature Cross Reference

• Department Calling

Program 16 : Department Group Setup

16-03 : Secondary Department Group

Level:
IN

Description

Use **Program 16-03 : Secondary Department Group** to set a second Department Group for extensions. Up to 16 extensions can be assigned per a Department Group. There are 32 available Department Groups.

Input Data

Department (Extension) Group Number	01 ~ 32

Item No.	Item	Input Data	Description
01	**Secondary Extension Number**	1 ~ 16	This program is set up when placing telephones in two or more groups.
	Extension Number	Maximum 8 digits	
	Priority Order	0 ~ 999	

Default

• All extension groups : No setting

Conditions

None

Feature Cross Reference

• Department Calling

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Program 16 : Department Group Setup

16-04 : Call Restriction Between Department Groups

Program

16

Level:
IN

Description

Use **Program 16-04 : Call Restriction Between Department Groups** to set internal calls between members of different Department (Station) groups that can be restricted on a per group basis. Each department group can restrict calls to up to 8 department groups in Department Group - Departmental Call Restriction.

Input Data

Extension (Department) Group Number	1 ~ 32

Restricted Group Index	1 ~ 8

Item No.	Item	Input Data	Description	Default
01	**Restrict Department Group Number**	0 ~ 32	Calls between members of different Department (Station) groups can be restricted on a per group basis.	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-01 : System Options

Level:
IN

Description

Use **Program 20-01 : System Options** to set various system options.

Program

20

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Operator Access Mode**	0 = Step Call 1 = Circular	Use this program to set up priority of a call when calling an operator telephone.	0	20-17
02	**Text Message Mode**	0 = Call mode 1 = No Answer/Busy mode	Use this program to select the mode when calling the telephone which set up the text message.	1	11-11-14 15-07-08
04	**Interval timer for BLF Data** (V1.5 Added)	0 ~ 64800 (0 ~ 6480 seconds)	While on Networking Operation It sends a BLF message to other system interval of per 100s.	0	
05	**DTMF Receive Active Time**	0 ~ 64800 seconds	For OPXs, analog telephones and certain analog trunks (like DISA), the system attaches a DTMF receiver to the port for this time. The system releases the receiver after the time expires.	10 seconds	25-07-01
06	**Alarm Duration**	0 ~ 64800 seconds	This time sets the duration of the alarm signal.	30 seconds	11-11-12
07	**Callback Ring Duration Time**	0 ~ 64800 seconds	Callback rings an extension for this time.	15 seconds	11-12-05 15-07-35
08	**Trunk Queuing Callback Time**	0 ~ 64800 seconds	Trunk Queuing callback rings an extension for this time.	15 seconds	11-12-05 15-07-35
09	**Callback/Trunk Queuing Cancel Time**	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this time.	64800 seconds	11-12-05 15-07-35
10	**Trunk Guard Timer**	0 ~ 64800 seconds	The amount of time the system waits to seize the next outside line after the system releases an outside line.	1 seconds	
12	**Telephone/Web Pro Logout Time**	1 ~ 86400 (86400 seconds = 1 day)	The system automatically logs out of a Telephone/Web Pro session after inactivity lasting this time.	900 seconds (15 min.)	
16	**Mobile Extension Callback time**	1 ~ 64800 seconds	The amount of time the system waits to until system ends the call back.	15 seconds	15-22-04
17	**Day/Night Change Key Mode**	0 = Toggle 1 = Skip	Sets the operation mode for 15-07 (Code 09) Day/Night Mode Switch.	1	15-07

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Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-02 : System Options for Multiline Telephones

Level:

IN

Description

Use **Program 20-02 : System Options for Multiline Telephones** to set various system options for multiline telephones.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Trunk Loop Key Operation Mode**	0 = Keep Lamp 1 = Extinction *Mode 0 = Keep Lamp 1 = LED Off* *Incoming : 300 IPM Red blink* *Talking : Green Lighting LED Off (on Talking TEL)* *Holding : 60 IPM Green LED Off blink (on holding TEL)*		1	
02	**Trunk Group Access Key Operating Mode**	0 = Outgoing / Incoming 1 = Outgoing 2 = Incoming	Use this option to set the operating mode of the extension trunk group keys. The keys are for incoming access, outgoing access, or both.	0	
04	**Retrieve the Line After Transfer**	0 = Not Holding (No Keep) 1 = Holding (Keep)	Enable (1) or disable (0) an extension ability to answer a call after it has been transferred, but before it is answered.	1	
05	**Headset Busy Mode**	0 = No (Disable) 1 = Yes (Enable)	Set the conditions under which a headset extension is busy to incoming callers.	0	20-09-07
06	**Pre-selection Time**	0 ~ 64800 seconds	When a multiline terminal user preselects a line key, the system remembers the pre-selection for this time.	5	

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Item No.	Item	Input Data	Description	Default	Related Program
07	**Time and Date Display Mode**	1 ~ 8 Type 1 = (12 hour) 10 MAR TUE 3 : 15 PM Type 2 = (12 hour) 3 : 15 PM MAR 10 TUE Type 3 = (12 hour) 3-10 TUE 3 : 15 PM Type 4 = (12 hour) 3 : 15 PM TUE 10 MAR Type 5 = (24 hour) 10 MAR TUE 15 : 15 Type 6 = (24 hour) 15 : 15 MAR 10 TUE Type 7 = (24 hour) 3-10 TUE 15 : 15 Type 8 = (24 hour) 15 : 15 TUE 10 MAR	Set how the Time and Date appear on display telephones. There are eight display modes.	3	
08	**LCD Display Holding Time**	0 ~ 64800 seconds		5	
09	**Disconnect Supervision**	0 = Disable (Off) 1 = Enable (On)	Use this option to enable or disable disconnect supervision for the system trunks.	1	
10	**Time Before Shifting to Power-Saving Mode**	0 = No Shift 1 = 1 minute 2 = 2 minutes 3 = 4 minutes 4 = 8 minutes 5 = 16 minutes 6 = 32 minutes 7 = 64 minutes		0	15-02-18
11	**Handsfree Microphone Control**	0 = Off 1 = On	Use this option to control the setting for Multiline Terminal Handsfree microphone after being disconnected and reconnected. If set to 0, the microphone is always off when the terminal is reconnected. If set to 1, the microphone remains in the same state it was in when the terminal is reconnected.	1	
12	**Forced Intercom Ring (ICM Call Type)**	0 = Disable (Voice) 1 = Enable (Signal)	Use this option to enable or disable Forced Intercom Ringing. If enabled, incoming Intercom calls normally ring. If disabled, Intercom calls voice-announce.	1	
15	**Caller ID Display Mode**	0 = Name and Number (Both) 1 = Name 2 = Number		0	
18	**Dialing Record Display Time**	0 ~ 64800 seconds		30 seconds	

Program

20

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Item No.	Item	Input Data	Description	Default	Related Program
19	**DSS Key - Virtual Extension Mode**	0 = No 1 = Yes	Sets the mode of a virtual extension key that appears on a DSS console.	0	
24	**LCD scroll mode**	0 = Character 1 = Dot		0	

Program

20

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-03 : System Options for Single Line Telephones

Level:
IN

Description

Use **Program 20-03 : System Options for Single Line Telephones** to set up various options for single line telephones.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**SLT Call Waiting Answer Mode**	0 = Hook Flash (Hooking) 1 = Hook Flash + Service Code 794	For a busy single line telephone, set the mode used to answer a camped-on trunk call.	0	11-12-47
02	**Ignore Received DP Dial on DTMF SLT Port**	0 = Do Not Ignore (No) 1 = Ignore (Yes)	Use this option to define whether the system should receive dial pulse and DTMF signals (0) or ignore dial pulse and only accept DTMF signals (1).	0	15-03-01
03	**SLT DTMF Dial to Trunk Lines**	0 = Receive all dialed data, before sending (All) 1 = Direct through out (Direct)	• **Type 0 :** The system keeps the digits dialed by the single line telephone on a trunk in a buffer. After all the digits are received, the system sends all the digits to the trunk. If the time space between digits is longer than the time in Item 4, the system considers all digits received. • **Type 1 :** The system passes the received digits from the single line telephone to the trunk immediately. If the single line telephone has a Last Number Dial key without a pause, this key may not be able to use the Last Number Dial key with the Type 1 setting. When using a third-party external paging device, set this option to **1**. In addition, set Program 20-03-04 to **1**	0	20-03-04
04	**Dial Sending Start Time for SLT or ARS**	0 ~ 64800 seconds	When ARS or an analog extension user accesses a trunk and dials an outside call, the system waits this time before outdialing the first digit. When using a third-party external paging device, set this option to **1**. In addition, set Program 20-03-03 to **1**.	3	20-03-03
05	**SLT Operation Mode**	0 = Normal Mode 1 = Extended Mode 1 2 = Extended Mode 2		0	

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Item No.	Item	Input Data	Description	Default	Related Program
06	**Headset Ringing Start Time (for SLT)**	0 ~ 64800 seconds	Define the headset ringing start time. After this time expires from the time when a single line telephone is off-hook, the system sets the single line telephone to headset ringing mode.	5	20-13-38
07	**Trunk Call Dial Forced Sending Start Time (Forced Dial)**	0 ~ 64800 seconds		0	20-03-03 20-03-04

Program

20

Conditions

None

Feature Cross Reference

• Single Line Telephones

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Program 20 : System Option Setup

20-04 : System Options for Virtual Extensions

Level:
IN

Description

Use **Program 20-04 : System Options for Virtual Extensions** to set up various system options for Virtual Extensions. There are 50 available Virtual Extension ports.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
03	**Virtual Extension Delay Interval**	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (see Program 15-11) ring the extension after this time.	10	
04	**Virtual Extension Key Seize Mode**	0 = Normal 1 = Enhanced Option	When set to **Enhanced**, the BLF will not show as being busy when the station is on a trunk call. When set to **Normal**, the BLF will show as being busy when on a trunk call.	1	
05	**Ringtone mode for incoming to VE** (V2.0 Added)	0 = Off 1 = On	Defines whether incoming ring tone mode of external call to VE is enabled.	0	22-03-01 15-08-01

Conditions

None

Feature Cross Reference

• Virtual Extensions

Program 20 : System Option Setup

20-06 : Class of Service for Extensions

Level:
IN

Program

20

Description

Use **Program 20-06 : Class of Service for Extensions** to assign a Class of Service (COS) to an extension. There are 15 Classes of Service that can be assigned. To specify the options in each Class of Service, refer to Programs 20-07 through 20-13. You make eight entries for Program 20-06, one for each Night Service Mode.

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Class of Service for Extensions**	1 ~ 15	Extension 101 is Class 15 and other Extension are Class 1

Conditions

None

Feature Cross Reference

• Class of Service

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Program 20 : System Option Setup

20-07 : Class of Service Options (Administrator Level)

Level:
IN

Description

Use **Program 20-07 : Class of Service Options (Administrator Level)** to define the administrator service availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	**Manual Night Service Enabled**	0 = Off 1 = On	Turns off or on an extension for manual Night Service Switching.	COS1 ~ 14/ COS15 = 1	11-10-01
02	**Changing the Music on Hold Tone**	0 = Off 1 = On	Turns off or on an extension to change the Music on Hold tone.	COS1 ~ 14/ COS15 = 1	11-10-02
03	**Time Setting**	0 = Off 1 = On	Turns off or on an extension to set the Time via Service Code 728.	COS1 ~ 14/ COS15 = 1	11-10-03
04	**Storing Speed Dialing Entries**	0 = Off 1 = On	Turns off or on an extension to store System or Group Speed Dialing numbers.	COS1 ~ 14/ COS15 = 1	11-10-04
05	**Set/Cancel Automatic Trunk-to-Trunk Transfer**	0 = Off 1 = On	Turns off or on an extension user ability to use the Trunk-to-Trunk Forwarding service codes.	COS1 ~ 14/ COS15 = 0	11-10-06 11-10-07 11-10-08
06	**Charging Cost Display**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 0/1	11-10-09
10	**Programmable Function Key Programming (Appearance Level)**	0 = Off 1 = On	Turns off or on the ability for an extension user ability to program the Appearance function keys using Service Code 752.	COS1 ~ 14/ COS15 = 1	11-11-38
11	**Forced Trunk Disconnect (analog trunk only)**	0 = Off 1 = On	Turns off or on an extension user ability to use Forced Trunk Disconnect.	COS1 ~ 14/ COS15 = 1	11-10-26
12	**Trunk Port Disable**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-27
13	**VRS Record (VRS Msg Operation)**	0 = Off 1 = On	Turns off or on extension user ability to record, erase and listen to VRS messages.	COS1 ~ 14/ COS15 = 0/1	11-10-20
14	**VRS General Message Play**	0 = Off 1 = On	Turns an extension off or on to dial 4 or Service Code 611 to listen to the General Message.	COS1 ~ 14/ COS15 = 0/1	11-10-21
15	**VRS General Message Record/Delete**	0 = Off 1 = On	Turns off or on an extension user ability to dial Service Code 612 and record, listen to, or erase the General Message.	COS1 ~ 14/ COS15 = 0/1	11-10-22

Item No.	Item	Input Data	Description	Default	Related Program
18	**SMDR Printout Accumulated Extension Data**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-23
19	**SMDR Printout Department Group (STG) Data**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-24
20	**SMDR Printout Accumulated Account Code Data**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-25
21	**Register and delete DECTPP**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	
23	**CO MSG Waiting Indication Callback Number Programming**	0 = Off 1 = On	Enable or Disable an extension ability to receive CO Message Waiting Indication.	COS1 ~ 14/ COS15 = 1	
24	**Set/Cancel Private Call Refuse**	0 = Off 1 = On	Enable or Disable an extension ability to set or cancel Private Call Refuse.	COS1 ~ 14/ COS15 = 1	11-10-32
25	**Set/Cancel Caller ID Refuse**	0 = Off 1 = On	Enable or Disable an extension ability to set or cancel Caller ID Refuse.	COS1 ~ 14/ COS15 = 1	11-10-33 11-10-34
26	**Dial-In Mode Switch**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-35
27	**Do-Not-Call Administrator**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	25-01-07 15-07-89 20-01-19
30	**Date Setting**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-41
31	**System Wide call forward clear**	0 = Off 1 = On		COS1 ~ 14/ COS15 = 0/1	

Program

20

Conditions

None

Feature Cross Reference

• Class of Service

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-08 : Class of Service Options (Outgoing Call Service)

Level:
IN

Program

20

Description

Use **Program 20-08 : Class of Service Options (Outgoing Call Service)** to define the outgoing call feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	**Intercom Calls**	0 = Off 1 = On	Turns off or on Intercom calling for the extension.	COS 01 ~ 15 = 1	
02	**Trunk Outgoing Calls**	0 = Off 1 = On	Turns off or on outgoing trunk calling for the extension.	COS 01 ~ 15 = 1	
03	**System Speed Dialing**	0 = Off 1 = On	Turns off or on an extension ability to make outbound calls using system speed dial numbers.	COS 01 ~ 15 = 1	
04	**Group Speed Dialing**	0 = Off 1 = On	Turns off or on an extension ability to make outbound calls using group speed dial numbers.	COS 01 ~ 15 = 1	
05	**Dial Number Preview (Preset Dial)**	0 = Off 1 = On	Turns off or on an extension for using Dial Number Preview.	COS 01 ~ 15 = 1	
06	**Toll Restriction Override**	0 = Off 1 = On	Turns off or on Toll Restricting Override (Service Code 663).	COS 01 ~ 15 = 0	21-01-07 21-07
07	**Repeat Redial**	0 = Off 1 = On	Turns off or on an extension to use Repeat Redial.	COS 01 ~ 15 = 1	
08	**Toll Restriction Dial Block**	0 = Off 1 = On	Turns off or on an extension to use Dial Block.	COS 01 ~ 15 = 1	
09	**Hotline/Extension Ringdown**	0 = Off 1 = On	Turns off or on Ringdown Extension for extensions with this COS.	COS 01 ~ 15 = 1	
10	**Signal/Voice Call**	0 = Off 1 = On	Turns off or on an extension allowing it to force Handsfree Answerback or Forced Intercom Ringing for outgoing Intercom calls.	COS 01 ~ 15 = 1	
11	**Protect for the Call Mode Switching from Caller**	0 = Off 1 = On	(Internal Call)	COS 01 ~ 15 = 0	
12	**Department Group Step Calling**	0 = Off 1 = On	Turns off or on an extension to use Department Group Step Calling.	COS 01 ~ 15 = 1	
13	**ISDN CLIP**	0 = Off 1 = On	Determines if the ISDN calling line identity presentation and screening indicators are allowed.	COS 01 ~ 15 = 0	10-03-05 15-01-04
14	**Call Address Information**	0 = Off 1 = On		COS 01 ~ 15 = 0	

Program

20

Item No.	Item	Input Data	Description	Default	Related Program
15	**Block Outgoing Caller ID**	0 = Off 1 = On	Turns off or on the system ability to automatically block outgoing Caller ID information when a user places a call. If this option is on, the system automatically inserts the Caller ID block code (defined in Program 14-01-21) before the user-dialed digits.	COS 01 ~ 15 = 0	14-01-20 14-01-21
16	**Display E911 Dialed Extension Name and Number**	0 = Off 1 = On	Turns off or on an extension to display the name and number of the extension that dialed E911.	COS 01 ~ 15 = 0	
17	**ARS Override of Trunk Access Map**	0 = Off 1 = On	Turns off or on an extension ability to override the trunk access map programming for outgoing calls.	COS 01 ~ 15 = 0	
19	**Hotline for SPK**	0 = Off 1 = On	The ability of an extension to have Hotline activated or deactivated when going off hook via the speaker key.	COS 01 ~ 15 = 0	20-08-09
20	**Hot Key Pad**	0 = Off 1 = On	The ability of an extension to make a call by just dialing the number without first going off hook.	COS 01 ~ 15 = 0	
21	**Automatic Trunk Seizing by Pressing SPK Key**	0 = Off 1 = On	The ability of an extension to automatically access Trunk Route when going off hook via the speaker key.	COS 01 ~ 15 = 0	
22	**Voice Over to Busy Virtual Extension**	0 = Off 1 = On	The ability of an extension to make Voice Over to Busy Virtual Extension.	COS 01 ~ 15 = 0	
23	**Display indication for security sensor detection**	0 = Off 1 = On		COS 01 ~ 15 = 0	
24	**Display indication for emergency call by remote inspection**	0 = Off 1 = On		COS 01 ~ 15 = 0	

Conditions

None

Feature Cross Reference

• Class of Service

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-09 : Class of Service Options (Incoming Call Service)

Level:
IN

Description

Use **Program 20-09 : Class of Service Options (Incoming Call Service)** to define the incoming call feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	Second Call for DID/ DISA/DIL/E&M Override	0 = Off 1 = On	Turns off or on the extension ability to receive a second call from a DID, DISA, DIL, or tie line caller. *With this option set to 1, the destination extension must be busy for a second DNIS caller to ring through. If the destination extension does not have a trunk key available for the second call and a previous call is ringing the extension but has not yet been answered, the second caller hears busy regardless of this program setting.*	COS 01 ~ 15 = 1	
02	Caller ID Display	0 = Off 1 = On	Turns off or on the Caller ID display at an extension.	COS 01 ~ 15 = 1 (V1.5 Changed)	
04	Notification for Incoming Call List Existence	0 = Off 1 = On	Determines whether or not an extension display shows Check List when an incoming call is missed by a user.	COS 01 ~ 15 = 0	
05	Signal/Voice Call	0 = Off 1 = On	Turn off or on an extension ability to enable Handsfree Answerback or Forced Intercom Ringing for their incoming Intercom calls.	COS 01 ~ 15 = 1	11-11-15 11-11-16
06	Incoming Time Display	0 = Off 1 = On		COS 01 ~ 15 = 0	
07	Call Queuing	0 = Off 1 = On	Turn off or on an extension ability to have calls queued if a call rings the extension when it is busy.	COS 01 ~ 15 = 1	20-13-06
09	Deny Collect Call Receiving	0 = Off 1 = On		COS 01 ~ 15 = 0	

Conditions

None

Feature Cross Reference

• Class of Service

Program

20

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-10 : Class of Service Options (Answer Service)

Level:
IN

Program

20

Description

Use **Program 20-10 : Class of Service Options (Answer Service)** to define the answer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default
01	**Group Call Pickup (Within Group)**	0 = Off 1 = On	Turns off or on Group Call Pickup for calls ringing an extension Pickup Group and ringing group calls (Service Code *#).	COS 01 ~ 15 = 1
02	**Group Call Pickup (Another Group)**	0 = Off 1 = On	Turns off or on Group Call Pickup for calls ringing outside a group (Service Code 769).	COS 01 ~ 15 = 1
03	**Group Call Pickup for Specific Group**	0 = Off 1 = On	Turns off or on Group Call Pickup for a specific group (Service Code 768).	COS 01 ~ 15 = 1
04	**Telephone Call Pick-up**	0 = Off 1 = On	Turns off or on an extension to be picked up by a call pickup	COS 01 ~ 15 = 1
05	**Directed Call Pickup for Own Group**	0 = Off 1 = On	Turns off or on Directed Call Pickup for calls ringing an extension Pickup Group (Service Code 756).	COS 01 ~ 15 = 1
06	**Meet-Me Conference and Paging**	0 = Off 1 = On	Turns off or on an extension to use Meet-Me Conference and Paging.	COS 01 ~ 15 = 1
07	**Automatic Off-Hook Answer**	0 = Off 1 = On	Turns off or on an extension to use Universal Auto Answer (no service code required).	COS 01 ~ 15 = 0
08	**Virtual Extension Off-Hook Answer**	0 = Off 1 = On	Turns off or on an extension to answer an incoming call on a Virtual Extension simply by lifting the handset.	COS 01 ~ 15 = 1
09	**Call Pickup Callback**	0 = Off 1 = On	Turn off or on an extension ability to use Call Pickup to pick up Callback calls.	COS 01 ~ 15 = 1
10	**Answer Preset**	0 = Off 1 = On		COS 01 ~ 15 = 0

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

None

Program

20

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-11 : Class of Service Options (Hold/Transfer Service)

Level:
IN

Description

Use **Program 20-11 : Class of Service Options (Hold/Transfer Service)** to define the Hold and Transfer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default
01	**Call Forward All**	0 = Off 1 = On	Turns off or on an extension ability to initiate Call Forwarding All.	COS 01 ~ 15 = 1
02	**Call Forward When Busy**	0 = Off 1 = On	Turns off or on an extension ability to use Call Forward when Busy.	COS 01 ~ 15 = 1
03	**Call Forwarding When Unanswered**	0 = Off 1 = On	Turns off or on an extension ability to use Call Forward when Unanswered.	COS 01 ~ 15 = 1
04	**Call Forwarding (Both Ringing)**	0 = Off 1 = On	Turns off or on an extension ability to activate Call Forwarding with Both Ringing.	COS 01 ~ 15 = 1
05	**Call Forwarding with Follow Me**	0 = Off 1 = On	Turns off or on an extension ability to initiate Call Forwarding with Follow Me.	COS 01 ~ 15 = 1
06	**Unscreened Transfer (Ring Inward Transfer)**	0 = Off 1 = On	Turns off or on an extension ability to use Unscreened Transfer.	COS 01 ~ 15 = 1
07	**Transfer Without Holding**	0 = Off 1 = On	Turns off or on an extension ability to use Transfer Without Holding.	COS 01 ~ 15 = 0
08	**Transfer Information Display**	0 = Off 1 = On	Turns off or on an extension ability for incoming Transfer preanswer display.	COS 01 ~ 15 = 1
09	**Group Hold Initiate**	0 = Off 1 = On	Turns off or on an extension ability to initiate a Group Hold.	COS 01 ~ 15 = 1
10	**Group Hold Answer**	0 = Off 1 = On	Turns off or on an extension ability to pick up a call on Group Hold.	COS 01 ~ 15 = 1
11	**Automatic On-Hook Transfer**	0 = Off 1 = On	Turns off or on an extension ability to use Automatic On Hook Transfer.	COS 01 ~ 15 = 0
12	**Call Forwarding Off Premise (External Call Forwarding)**	0 = Off 1 = On	Turns off or on an extension ability to set up Call Forwarding Off-Premise for their telephone.	COS 01 ~ 15 = 1
13	**Operator Transfer After Hold Callback**	0 = Off 1 = On	Turns off or on an extension ability to have a call which recalls from hold transfer to the operator.	COS 01 ~ 15 = 1
14	**Trunk-to-Trunk Transfer Restriction**	0 = Off 1 = On	Turns off or on the Trunk-to-Trunk Transfer Restriction. If enabled, Trunk-to-Trunk Transfer is not possible.	COS 01 ~ 15 = 0
15	**VRS Personal Greeting (Message Greeting)**	0 = Off 1 = On	Turns off or on a Service Code to record, listen to, or erase the Personal Greeting Message.	COS 01 ~ 15 = 1

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Program

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Item No.	Item	Input Data	Description	Default
16	**Call Redirect**	0 = Off 1 = On	Turns off or on a multiline terminal user ability to transfer a call to a predefined destination (such as an operator, voice mail, or another extension) without answering the call.	COS 01 ~ 15 = 1
17	**Department Group Trunk-to-Trunk Transfer (Each Telephone Group Transfer)**	0 = Off 1 = On	Turns off or on an extension user ability to set Trunk-to-Trunk Forwarding for a Department Group.	COS 01 ~ 15 = 1
18	**No Recall**	0 = Off 1 = On	No Recall set to "Allow" (1) will not stop transferred calls from recalling from a virtual extension.	COS 01 ~ 15 = 0
19	**Hold/Extended Park**	0 = Off 1 = On	Determine if an extension Class of Service should allow either a normal or extended Park.	COS 01 ~ 15 = 0
20	**No Callback**	0 = Off 1 = On	Turns off or on an extension to receive callbacks.	COS 01 ~ 15 = 0
21	**Restriction for Tandem Trunking on Hang Up**	0 = Allow 1 = Deny	Allow (0) or Deny (1) an extension user ability to set up a tandem/conference call automatically when they hang up.	COS 01 ~ 15 = 0
22	**Restricted Unsupervised Conference**	0 = Allow 1 = Deny	Allow (0) or Deny (1) an extension ability to initiate an unsupervised conference.	COS 01 ~ 15 = 0
23	**VE Call Forward Set/Cancel**	0 = Off 1 = On	Turn on or off an extension ability to set or cancel call forwarding for a virtual extension.	COS 01 ~ 15 = 1
24	**Trunk Park Hold Mode**	0 = Non Exclusive Hold (Off) 1 = Exclusive Hold (On)	Set the hold type when a trunk call is put on hold by an extension.	COS 01 ~ 15 = 1
25	**Transfer Park Call**	0 = Off 1 = On	Turn off or on an extension ability to transfer a parked call.	COS 01 ~ 15 = 1
26	**Station Park Hold mode**	0 = Off 1 = On		COS 01 ~ 15 = 0
27	**Call Park Automatically Search**	0 = Off 1 = On		COS 01 ~ 15 = 1
28	**Both Ring Enhancement**	0 = Normal 1 = Enhanced		COS 01 ~ 15 = 0

Conditions

None

Feature Cross Reference

• Class of Service

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-12 : Class of Service Options (Charging Cost Service)

Level:
IN

Description

Use **Program 20-12 : Class of Service Options (Charging Cost Service)** to define the Charging Cost service availability for each extension service class.

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Default
02	**Advice of Charge (ISDN-AOC)**	0 = Off 1 = On	COS 01~15 = 0
03	**Cost Display (TTU)**	0 = Off 1 = On	COS 01~15 = 1

Conditions

None

Feature Cross Reference

• Class of Service

Program 20 : System Option Setup

20-13 : Class of Service Options (Supplementary Service)

Level:
IN

Description

Use **Program 20-13 : Class of Service Options (Supplementary Service)** to define the supplementary feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	**Long Conversation Alarm**	0 = Off 1 = On	Turns off or on the Warning Tone for Long Conversation (not for single line telephones).	COS 01 ~ 15 = 0	
02	**Long Conversation Cutoff (Incoming)**	0 = Off 1 = On	Turns off or on an extension ability to use Long Conversation Cutoff for incoming calls.	COS 01 ~ 15 = 0	
03	**Long Conversation Cutoff (Outgoing)**	0 = Off 1 = On	Turns off or on an extension ability to use Long Conversation Cutoff for outgoing calls.	COS 01 ~ 15 = 0	
04	**Call Forward/DND Override (Bypass Call)**	0 = Off 1 = On	Turns off or on an extension ability to use Call Forwarding/DND Override.	COS 01 ~ 15 = 1	
05	**Intercom Off-Hook Signaling**	0 = Off 1 = On	Turns off or on an extension ability to receive off-hook signals.	COS 01 ~ 15 = 1	
06	**Automatic Off-Hook Signaling (Automatic Override)**	0 = Off 1 = On	Allows a busy extension ability to manually (0) or automatically (1) receive off-hook signals.	COS 01 ~ 15 = 1	
07	**Message Waiting**	0 = Off 1 = On	Turns off or on an extension ability to leave Message Waiting.	COS 01 ~ 15 = 1	
08	**Conference**	0 = Off 1 = On	Turns off or on an extension user ability to initiate a conference or Meet-Me Conference.	COS 01 ~ 15 = 1	
09	**Privacy Release**	0 = Off 1 = On	Turns off or on an extension user ability to initiate a Voice Call Conference.	COS 01 ~ 15 = 1	
10	**Barge-In Monitor**	0 = Speech 1 = Monitor	Enables the extension Barge-In Mode to be Speech mode (0) or Monitor mode (1).	COS 01 ~ 15 = 0	20-13-45
11	**Room Monitor, Initiating Extension**	0 = Off 1 = On	Turns off or on extension user ability to Room Monitor other extensions.	COS 01 ~ 15 = 1	
12	**Room Monitor, Extension Being Monitored**	0 = Off 1 = On	Turn off or on an extension ability to be monitored by other extensions.	COS 01 ~ 15 = 1	

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Item No.	Item	Input Data	Description	Default	Related Program
13	**Continued Dialing (DTMF) Signal on ICM Call**	0 = Off 1 = On	Turn off or on an extension user ability to use Continued Dialing, which allows DTMF signal sending while talking on extension.	COS 01 ~ 15 = 1	
14	**Department Calling (PLT No Called Extension)**	0 = Off 1 = On	Turns off or on an extension user ability to call a Department Group Pilot.	COS 01 ~ 15 = 1	
15	**Barge-In, Initiate**	0 = Off 1 = On	Turns off or on an extension user ability to barge-in on other's calls.	COS 01 ~ 15 = 0	
16	**Barge-In, Receive**	0 = Off 1 = On	Turns off or on an extension ability to have other extensions barge-in on calls.	COS 01 ~ 15 = 0	
17	**Barge-in Tone/ Display (Intrusion Tone)**	0 = Off 1 = On	Turns off or on the Barge-In tone. If on, callers hear an alert tone and their display indicates the Barge-In when another extension barges into their conversation. If off, there is no alert tone or display indication.	COS 01 ~ 15 = 1	
18	**Programmable Function Key Programming (General Level)**	0 = Off 1 = On	Turns off or on extension user ability to program General function keys using Service Code 751 (by default). (Refer to Program 20-07-10 for Service Code 752.)	COS 01 ~ 15 = 1	
19	**Selectable Display Messaging (Text Messaging)**	0 = Off 1 = On	Turns off or on an extension user ability to use Selectable Display Messaging.	1	
20	**Account Code/ Toll Restriction Operator Alert (Restricted Operation Transfer)**	0 = Off 1 = On	Turns off or on operator alert when an extension user improperly enters an Account Code or violates Toll Restriction.	COS 01 ~ 15 = 0	
21	**Extension Name**	0 = Off 1 = On	Turns off or on an extension user ability to program its name.	COS 01 ~ 15 = 1	
22	**Busy Status Display (Called Party Status)**	0 = Off 1 = On	Turns off or on the ability to display the detailed state of the called party.	COS 01 ~ 15 = 0	20-13-06
23	**Display the Reason for Transfer**	0 = Off 1 = On	Select whether an extension should display the reason a call is being transferred to their extension (Call Forward Busy, Call Forward No Answer, and DND).	COS 01 ~ 15 = 0	
24	**Privacy Release by Pressing Line Key**	0 = Off 1 = On	Turns off or on a user ability to press a line key to barge into an outside call. The Barge-In feature must be enabled if this option is to be used.	COS 01 ~ 15 = 0	
26	**Group Listen**	0 = Off 1 = On	Turns off or on an extension user ability to use Group Listen.	COS 01 ~ 15 = 1	
27	**Busy on Seizing Virtual Extension**	0 = Off 1 = On	If set to 1, you can call a busy extension which is talking on a virtual extension key. Program 20-13-06 (Call Waiting) must be set to 0 for this option to work.	COS 01 ~ 15 = 1	
28	**Allow Class of Service to be Changed**	0 = Off 1 = On	Turns off or on the ability of an extension Class of Service to be changed via Service Code 677.	COS 01 ~ 15 = 0	
29	**Paging Display**	0 = Off 1 = On	Turns off or on an extension user ability to display paging information.	COS 01 ~ 15 = 1	

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Program

20

Item No.	Item	Input Data	Description	Default	Related Program
30	Background Music	0 = Deny 1 = Allow	Allow or Deny an extension user to turn Background Music on and off.	COS 01 ~ 15 = 1	
31	Connected Line Identification (COLP)	0 = Off 1 = On		COS 01 ~ 15 = 0	
32	Deny Multiple Barge-Ins	0 = Off 1 = On	Allows or Denies an extension from having multiple users Barge into their conversation.	COS 01 ~ 15 = 0	
34	Block Manual Off-Hook Signaling	0 = Off 1 = On	Turns off or on an extension user ability to block off-hook signals manually sent from a co-worker.	COS 01 ~ 15 = 0	
35	Block Camp On	0 = Off 1 = On	Turns off or on an extension user ability to block callers from dialing to Camp On.	COS 01 ~ 15 = 0	
36	Call Duration Timer Display	0 = Off 1 = On	Turns off or on an extension display of the Call Duration Time. The system waits until the interdigit time (Program 21-01-01) expires before beginning this timer.	COS 01 ~ 15 = 1	
38	Headset Ringing for SLT	0 = Off 1 = On	Turn off or on an extension user ability to use the Headset ringing	COS 01 ~ 15 = 0	
39	ACD Queue Status Display (V1.5 Added)	0 = Off 1 = On		COS 01 ~ 15 = 0	41-20
40	Do Not Disturb	0 = Off 1 = On	Turn off or on an extension user ability to set or cancel Do Not Disturb.	COS 01 ~ 15 = 1	11-11-08 15-07-03
41	Voice Mail Message Indication on DSS	0 = Off 1 = On	Turn off or on the Voice Mail Message Indication for an extension on a DSS console.	COS 01 ~ 15 = 0	
42	Extension Data Swap Enabling	0 = Off 1 = On	Turn off or on an extension user ability to use Extension Data Swap.	COS 01 ~ 15 = 1	11-15-12
44	Live Monitor Enabling	0 = Off 1 = On	Turn off or on an extension user ability to use Live Monitor.	COS 01 ~ 15 = 1	
45	Mute Key Mode while Call Monitoring	0 = Off 1 = On	Set per class of service, when in Call Monitoring Mode determines if the monitored parties receive the barge in alert tone when Coaching Mode is enabled.	COS 01 ~ 15 = 1	20-13-10
46	Remote Conference	0 = Off 1 = On		COS 01 ~ 15 = 1	11-19 20-34
47	Station Number Display	0 = Off 1 = On	Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	COS 01 ~ 15 = 1	
48	Station Name Display	0 = Off 1 = On	Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	COS 01 ~ 15 = 1	
49	BLF Indication on CO Incoming State	0 = Off 1 = On	Determine if a BLF of the station will light when a Normal CO call is ringing the phone.	COS 01 ~ 15 = 0	
51	Number and Name appear in the Directory	0 = Off 1 = On	Determine if an extension name and number will be listed (On) or unlisted (Off) in the directory.	COS 01 ~ 15 = 1	
52	VoIPDB All DSP Busy Display	0 = Disable 1 = Enable	Set whether "All DSP Busy" alarm displays on LCD when the caller makes an IP call and there is no VoIPDB DSP resource.	COS 01 ~ 15 = 1	

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Item No.	Item	Input Data	Description	Default	Related Program
53	**Language Selection for specific extension**	0 = Disable 1 = Enable		COS 01 ~ 15 = 0	11-11-68 15-02-01 47-02-16
54	**Call waiting for standard SIP terminal**	0 = Disable 1 = Enable		COS 01 ~ 15 = 0	20-13-05 20-13-06 20-09-01 20-09-07
55	**Intercom Call to Room Monitor**	0 = Off 1 = On		COS 01 ~ 15 = 1	

Conditions

None

Program

20

Feature Cross Reference

• Class of Service

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-14 : Class of Service Options for DISA/E&M

Level:
IN

Program

20

Description

Use **Program 20-14 : Class of Service Options for DISA/E&M** to enable/disable DISA and tie line Class of Service options. You assign a DISA Class of Service to DISA users in Program 25-09. Assign tie line Classes of Service in 34-02. Up to 15 DISA/E&M Classes of Service can be defined.

🖉 *Analog trunk-to-analog trunk and ISDN trunk-to-ISDN trunk calls are supported by this program. However, analog trunk-to-ISDN trunk and ISDN trunk-to-analog trunk calls are NOT supported by this program.*

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default
01	First Digit Absorption (Delete First Digit Dialed)	0 = Off 1 = On	For tie lines, enable or disable the ability to absorb (ignore) the first incoming digit. Use this to make the tie trunk compatible with 3- and 4-digit tie line service. This option does not apply to DISA.	COS 01 ~ 15 = 0
02	Trunk Group Routing/ARS Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to dial 9 for Trunk Group Routing or Automatic Route Selection (ARS/F-Route).	COS 01 ~ 15 = 1
03	Trunk Group Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to access trunk groups for outside calls (Service Code 704).	COS 01 ~ 15 = 1
04	Outgoing System Speed Dial	0 = Off 1 = On	This option enables or disables DISA or tie trunk caller ability to use the System Speed Dialing.	COS 01 ~ 15 = 0
05	Operator Calling	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to dial 0 for the telephone system operator.	COS 01 ~ 15 = 1
06	Internal Paging	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the telephone system Internal Paging.	COS 01 ~ 15 = 1
07	External Paging	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the telephone system External Paging.	COS 01 ~ 15 = 1
08	Direct Trunk Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use Direct Trunk Access (Service Code #9).	COS 01 ~ 15 = 0
09	Forced Trunk Disconnect <Not for ISDN T-point>	0 = Off 1 = On	This option enables or disables a tie trunk caller ability to use Forced Trunk Disconnect (Service Code 11-10-26). This option is not available to DISA callers.	COS 01 ~ 15 = 0

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Item No.	Item	Input Data	Description	Default
10	**Call Forward Setting by Remote via DISA**	0 = Off 1 = On	Enable or disable a DISA caller ability to use the Call Forward service codes (Programs 11-11-01 ~ 11-11-05).	COS 01 ~ 15 = 0
11	**DISA/Tie Trunk Barge-In**	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the Barge-In.	COS 01 ~ 15 = 0
12	**Retrieve Park Hold**	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to retrieve a Park Hold call.	COS 01 ~ 15 = 1

Conditions

None

Program

20

Feature Cross Reference

- Class of Service
- Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-15 : Ring Cycle Setup

Level:
IN

Program

20

Description

Use **Program 20-15 : Ring Cycle Setup** to define the ringing cycles for each ring type.

Input Data

Item No.	Item	Input Data	Default
01	**Incoming Signal Type : Normal Incoming Call on Trunk**	Ringing Cycle Number : 1 ~ 13	2
02	**Incoming Signal Type : PBX, CES Incoming Call**	Ringing Cycle Number : 1 ~ 13	8
03	**Incoming Signal Type : Incoming Internal Call**	Ringing Cycle Number : 1 ~ 13	12
04	**Incoming Signal Type : DID/ DISA/VRS**	Ringing Cycle Number : 1 ~ 13	8
05	**Incoming Signal Type : DID/DDI**	Ringing Cycle Number : 1 ~ 13	8
06	**Incoming Signal Type : Dial-In in the E&M Tie Line**	Ringing Cycle Number : 1 ~ 13	12
07	**Incoming Signal Type : Door Box Ringing for SLT**	Ringing Cycle Number : 1 ~ 13	8
08	**Incoming Signal Type : Virtual Extension Ring**	Ringing Cycle Number : 1 ~ 13	8
09	**Incoming Signal Type : Callback**	Ringing Cycle Number : 1 ~ 13	11
10	**Incoming Signal Type : Alarm for SLT**	Ringing Cycle Number : 1 ~ 13	5
11	**Incoming Signal Type : VRS Waiting Message Incoming Call**	Ringing Cycle Number : 1 ~ 13	6

Table 2-5 Ringing Cycles

Number	Ringing Cycle
1	On
2	On : 2.0 / Off : 4.0
3	On : 1.0 / Off : 2.0
4	On : 0.5 / Off : 0.5
5	On : 0.25 / Off : 0.25
6	On : 0.5 / Off : 0.5 / On : 0.5 / Off : 1.5
7	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 5.25
8	On : 0.375 / Off : 0.25 / On : 0.375 / Off : 2.0
9	On : 0.25 / Off : 0.125 / On : 0.25 / Off : 0.125 / On : 0.25 / Off : 2.0
10	On : 1.0 / Off : 4.0

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Number	Ringing Cycle
11	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 4.25
12	On : 1.0 / Off : 3.0
13	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 2.25

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-16 : Selectable Display Messages

Level:
SA

Program

20

Description

Use **Program 20-16 : Selectable Display Messages** to enter the Selectable Display Messages. There are 20 alphanumeric messages, with up to 48 characters. Use the following chart when programming messages.

Use this keypad digit ...	When you want to ...
1	Enter characters: **1 @ [¥] ^ _ ` {	} → ← Á À Â Ã Å Æ Ç É Ê ì ó 0**
2	Enter characters : **A-C, a-c, 2**.
3	Enter characters : **D-F, d-f, 3**.
4	Enter characters : **G-I, g-i, 4**.
5	Enter characters : **J-L, j-l, 5**.
6	Enter characters : **M-O, m-o, 6**.
7	Enter characters : **P-S, p-s, 7**.
8	Enter characters : **T-V, t-v, 8**.
9	Enter characters : **W-Z, w-z, 9**.
0	Enter characters : **0 ! " # $ % & ' ( ) ô õ ú å ä æ ö ü α ε θ B**
∗	Enter characters : **∗ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £**
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Selectable Display Message Number	01 ~ 20

Item No.	Item	Input Data	Default
01	**Selectable Display Messages**	48 characters	Refer below

Default

Number	Message
1	IN MEETING UNTIL ## : ##
2	MEETING ROOM - ########
3	COME BACK ## : ##
4	PLEASE CALL ##########

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Number	Message
5	BUSY CALL AFTER ## : ##
6	OUT FOR LUNCH BACK ## : ##
7	BUSINESS TRIP BACK ## / ##
8	BUSINESS TRIP ##########
9	GONE FOR THE DAY
10	ON VACATION UNTIL ## / ##
11	MESSAGE 11
12	MESSAGE 12
13	MESSAGE 13
14	MESSAGE 14
15	MESSAGE 15
16	MESSAGE 16
17	MESSAGE 17
18	MESSAGE 18
19	MESSAGE 19
20	MESSAGE 20

Program

20

Conditions

• Time value ## : ## must be followed by two spaces.

Feature Cross Reference

• Selectable Display Messages

Program 20 : System Option Setup

20-17 : Operator Extension

Program

20

Level:
IN

Description

Use Program **20-17 : Operator Extension** to designate an operator. When an extension user dials 0 (defined by Program 11-01 Type 5), calls go to the operator selected in this program.

If you do not assign an extension in Program 90-11-01, system alarms appear on the extension assigned in this option.

Input Data

Operator Number	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Operator's Extension Number**	**Up to eight digits**	Define the extension numbers which are to be used by operators.	101	11-01 20-01-01
02	**Operator Console**	0 = Normal key set 1 = Special Operator Console		0	

Conditions

None

Feature Cross Reference

• Intercom

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Program 20 : System Option Setup

20-18 : Service Tone Timers

Level:
IN

Description

Use **Program 20-18 : Service Tone Timers** to set the values for the system service tone timers. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Extension Dial Tone Time**	0 ~ 64800 seconds	After getting Intercom dial tone, a telephone user has this time to dial the first digit of the Intercom call.	30	
02	**Busy Tone Timer**	0 ~ 64800 seconds		15	
03	**Congestion Tone**	0 ~ 64800 seconds	A Busy Tone when system resources run short. (Such as DTMF receiver resources).	10	
04	**Call Waiting Tone Timer**	0 ~ 64800 seconds	This option sets the time between Call Waiting tones. This timer also sets the time between Off-Hook Signaling alerts.	10	
05	**Multiline Confirmation Tone**	0 ~ 64800 seconds		10	
06	**Interval of Call Waiting Tone**	3~ 64800 seconds		10	
07	**Intrusion Tone Repeat Time**	0 ~ 64800 seconds	After a call is interrupted (such as Barge-In, Voice Mail Conversation Recording, or Voice Over), the system repeats the Intrusion Tone after this time. Normally, you should enter 0 to disable this time.	0	
08	**Conference Tone Interval**	0 ~ 64800 seconds		0	
09	**Warning Beep Tone Signaling Interval**	0 ~ 64800 seconds		60	14-01-18

Conditions

None

Feature Cross Reference

• Distinctive Ringing, Tones, and Flash Patterns

Program 20 : System Option Setup

20-19 : System Options for Caller ID

Level:
IN

Program

20

Description

Use **Program 20-19 : System Options for Caller ID** to define the system options for the Caller ID feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Caller ID Displaying Format**	0 = First 10 digits (Upper) 1 = Last 10 digits (Lower)	**(if displaying digits are more than 12 digits)**	0
02	**Caller ID Wait Timer**	0 ~ 30 seconds	When an incoming CO call is received, the SL1100 starts the timer. It will wait the programmed time for Caller ID information from Telco before connecting the CO call.	5
03	**Caller ID Edit Mode** (V2.0 Added)	0 = Off 1 = On	If Caller ID Edit Mode is disabled (0), no access code will be added to the Caller ID. If this option is enabled (1), the access code entered in PRG 10-02-02 & 10-02-03 will be added to the beginning of the Caller ID.	0
04	**Wait Facility IE Timer**	0 ~ 64800 seconds	This timer is used with ISDN trunks to determine how long the system waits for the Caller ID name from the Telco.	10
05	**Caller ID Sender Queuing Time (Sender Wait)**	0 ~ 64800 seconds		0
07	**Long Distance Code**	Up to two digits		1
08	**Area Code**	Up to six digits		No Setting
09	**Calling party Name for ISDN Trunk**	Up to 12 characters		None

Conditions

None

Feature Cross Reference

• Caller ID

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Program 20 : System Option Setup

20-20 : Message Setup for Non-Caller ID Data

Level:
IN

Program

20

Description

Use **Program 20-20 : Message Setup for Non-Caller ID Data** to define the messages which are displayed when no Caller ID information is received.

Input Data

Item No.	Item	Input Data	Default
01	**Private Call**	24 Alphanumeric Characters	PRIVATE
02	**Call from Out of Service Area**	24 Alphanumeric Characters	OUT OF AREA
03	**Call Information with Error**	24 Alphanumeric Characters	NO CALLER INFO

Conditions

None

Feature Cross Reference

• Caller ID

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Program 20 : System Option Setup

20-21 : System Options for Long Conversation

Level:
IN

Program

20

Description

Use **Program 20-21 : System Options for Long Conversation** to define the system options for the Long Conversation feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Long Conversation Alarm 1**	0 ~ 64800 seconds	The warning tone for long toll calls sounds after this time.	170	14-01-15
02	**Long Conversation Alarm 2**	0 ~ 64800 seconds	After the initial long toll call warning tone, additional warning tones sound after this time.	180	14-01-15
03	**Long Conversation Cutoff for Incoming Call**	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an incoming call.	0	14-01-14
04	**Long Conversation Cutoff for Outgoing Call**	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an outgoing call.	0	14-01-14
05	**Conversation cutoff for remote monitor**	0 ~ 64800 seconds		180	

Conditions

None

Feature Cross Reference

• Long Conversation Cutoff

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Program 20 : System Option Setup

20-23 : System Options for CTI

Level:
IN

Description

Use **Program 20-23 : System Options for CTI** to define the system options for the CTI feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Delayed ring timer for CTI**	0 ~ 64800 seconds		30 second
02	**ALERT replay time (CTI)**	0 ~ 64800 seconds		8 second
03	**Trunk Virtual Bridge - TSP Driver**	0 = Disable (No) 1 = Enable (Yes)	Enable or disable the system to send trunk or virtual extension information to the TSP driver.	0
04	**The Timer that waits for an off-hook for Single Line Telephone**	0 ~ 64800 seconds		30 second

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-25 : ISDN Options

Level:
IN

Description

Use **Program 20-25 : ISDN Options** to define the ISDN system options.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Send the Release Message After Subscriber Hangs Up**	0 = Service Off 1 = Service On		1
02	**Progress Indicate Information Element Detect**	0 = Service Off 1 = Service On		1
03	**Bearer Capability Select from SLT Outgoing**	0 = 3.1 KHz Audio 1 = Speech		0
04	**Send DT until user dials first digit (Local Dial Tone)**	0 = Service Off 1 = Service On	With Overlap Sending Mode, if the network side stops dial tone when CLI is included in the SETUP message, the system sends dial tone until the user dials the first digit instead of the network.	0
05	**T305 Timer Start After Sending Disconnect Message**	0 = Service Off 1 = Service On		1
06	**Call Proceeding Send Mode**	0 = Service Off 1 = Service On		1
07	**Local Busy Tone Mode Set When Disconnect Message Received**	0 = Local Busy Tone Off 1 = Busy Tone from NT (network side)		0
08	**Use of Lower Layer Compatibility (LLC)**	0 = Disable (Off) 1 = Enable (On)	This Program must be set to (0 = Disable) for International Dialing when using Calling Number Presentation (CPN) from station.	0
09	**High Layer Compatibility (HLC) Sending**	0 = Disable (Off) 1 = Enable (On)		0
10	**S-Point Terminal Seizes Analog Trunk**	0 = Disable (Off) 1 = Enable (On)		1
11	**Automatic Changing System Clock When Date/Time Information Element Received**	0 = Disable (Off) 1 = Enable (On)		0
12	**Call Forward Options (Auto Connect Send)**	0 = Normal - No Message (Off) 1 = Normal - No Message (On)	Incoming Calls Forwarded Out Automatically Return Connect Message When Outgoing Call Receives Alerting Message.	0
13	**Local Busy Tone (Release)**	0 = Off 1 = On	Busy tone sends when T-point receiving a RELEASE message from Network.	0

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Item No.	Item	Input Data	Description	Default
14	**No Response Release Send**	0 = Off 1 = On	Operation mode setting for when second T303 timer expires.	0
15	**Call Reference selection for PRI 2B-Ch Transfer**	0 = Off 1 = On		0

Conditions

None

Feature Cross Reference

• ISDN Compatibility

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Program 20 : System Option Setup

20-26 : Multiplier for Charging Cost

Level:
IN

Program

20

Description

Use **Program 20-26 : Multiplier for Charging Cost** to define the Multiplier for charging cost to each extension service class.

Input Data

Service Class	01 ~ 15

Item No.	Item	Input Data	Default
01	**Value (%)**	100 ~ 500	100

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-28 : Trunk to Trunk Conversation

Level:
IN

Program

20

Description

Use **Program 20-28 : Trunk to Trunk Conversation** to define system options for Trunk to Trunk Conversation.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Conversation Continue Code**	0 ~ 9, ∗, # (Set for one digit only)	Input the code that can be dialed to continue the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08
02	**Conversation Disconnect Code**	0 ~ 9, ∗, # (Set for one digit only)	Input the code that can be dialed to disconnect the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 24-02-07 24-02-10 25-07-07 25-07-08
03	**Conversation Continue Time**	0 ~ 64800 seconds	Input how long the conversation extends when the Conversation Continue Code is dialed.	0	14-01-25 20-28-01 24-02-07 24-02-10 25-07-07 25-07-08

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-29 : Timer Class for Extension

Level:
_IN_

Program

20

Description

Use **Program 20-29 : Timer Class for Extension** to assign the timer class to each extension. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. This entry includes virtual extension numbers.

The details of classes are assigned by Program 20-31.

Input Data

Extension Number	Up to eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Timer Class for Extension**	0 ~ 15 0 = Not assigned	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-30 : Timer Class for Trunks

Level:
IN

Program

20

Description

Use **Program 20-30 : Timer Class for Trunks** to assign the timer class to each trunk. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. The details of classes are assigned by Program 20-31.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Timer Class for Trunks**	0 ~ 15, #, * 0 = Not assigned	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-31 : Timer Class Timer Assignment

Level:
IN

Program

20

Description

Use **Program 20-31 : Timer Class Timer Assignment** to assign values to the timers on a class of service basis.

Input Data

Timer Class Number	0 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	Trunk Queuing Callback Duration Time	0 ~ 64800 seconds	Trunk Queuing Callback rings an extension for this amount of time	15 seconds	20-01-08
02	Callback / Trunk Queuing Cancel Time	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this amount of time.	64800 seconds	20-01-09
03	Virtual Extension Delay Interval	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (refer to 15-11 : Virtual Extension Delayed Ring Assignment) on page 2-145 ring the extension after this time.	10 seconds	20-04-03
04	Intercom Interdigits Time (Intercom I/D Timer)	0 ~ 64800 seconds	When placing Intercom calls, extension users must dial each digit in this time.	10 seconds	21-01-02
05	Trunk Interdigits Time (Trunk I/D Timer)	0 ~ 64800 seconds	The system waits for this time to expire before placing the call in a talk state (Call Timer starts after time expires, Voice Over and Barge-In are not allowed until after time expires).	10 seconds	21-01-03
06	Hotline Time Start Time (Hotline Start)	0 ~ 64800 seconds	A Ringdown extension automatically calls the programmed destination after this time.	5 seconds	21-01-09
07	Ring No Answer Alarm Time	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this time, the system changes the ring cadence. This indicates to the user that the call has been ringing too long.	60 seconds	22-01-03
08	DIL/Incoming Ring Group No Answer Time	0 ~ 64800 seconds	A DIL that rings its programmed destination longer than this time diverts to the DIL No Answer Ring Group (set in Program 22-08).	0 second	22-01-04
09	DID Ring-No-Answer Time	0 ~ 64800 seconds	In systems with DID Ring-No-Answer Intercept, this time sets the Ring-No-Answer time. This time is how long a DID call rings the destination extension before rerouting to the intercept ring group.	20 seconds	22-01-06

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Item No.	Item	Input Data	Description	Default	Related Program
10	Hold Recall Time (Non Exclusive Hold)	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Program 24-01-02).	60 seconds (V1.5 Changed)	24-01-01
11	Hold Recall Call-Back Time (Non Exclusive Hold)	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold Recall Time again. Cycling between time Program 24-01-01 and 24-01-02 and Program 24-01-06 and 24-01-07 continues until a user answers the call.	30 seconds	24-01-02
12	Exclusive Hold Recall Time	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90 seconds	24-01-03
13	Exclusive Hold Recall Callback Time	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	30 seconds	24-01-04
14	Park Hold Time - Normal	0 ~ 64800 seconds	A call left parked longer than this time interval recalls the extension that initially parked it.	60 seconds (V1.5 Changed)	24-01-06
15	Delayed Call Forwarding Time (Call Forward No Answer)	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an extension forwarded to Voice Mail before routing to the called extension mailbox.	10 seconds	24-02-03
16	Transfer Recall Time	0 ~ 64800 seconds	An unanswered transferred call recalls after this time to the extension that initially transferred it.	20 seconds (V1.5 Changed)	24-02-04
17	DID/DISA No Answer Time (Disconnect or IRG or VM)	0 ~ 64800 seconds	A VRS/DISA caller can ring an extension for this time before the system sets the call as a Ring No Answer. After this time expires, the call follows the programmed Ring No Answer routing (set in Program 25-03 and 25-04).	0 seconds	25-07-02
18	Disconnect after Re-transfer to IRG	0 ~ 64800 seconds		60 seconds	25-07-03
19	Long Conversation Warning Tone Time (Trunk to Trunk)	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can last before the Long Conversation tone is heard	3600 seconds	25-07-07
20	Long Conversation Disconnect (Trunk to Trunk)	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation call after the Long Conversation tone is heard.	10 seconds	25-07-08
21	DISA Internal Paging Time	0 ~ 64800 seconds	This is the maximum length of an Internal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	25-07-09

Program

20

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Item No.	Item	Input Data	Description	Default	Related Program
22	**DISA External Paging Time**	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	25-07-10
23	**Page Announcement Duration**	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200 seconds	31-01-02
24	**Mobile Extension answer time**	1 ~ 64800 seconds		3 seconds	22-01-12
25	**Mobile Extension callback time**	1 ~ 64800 seconds		15 seconds	20-01-16

Program

20

Conditions

• These timers are used when an extension or trunk is assigned to a class from 1 to 16 in 20-29-01 or 20-30-01. When the timer class is set to 0, the system-wide timer is used.

• All defaults are the same as the system-wide timers.

Feature Cross Reference

None

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Program 20 : System Option Setup

20-34 : Remote Conference Group Setup

Level:
SA

Program

20

Description

Use **Program 20-34 : Remote Conference Group Setup** to define the Remote Conference options.

Input Data

Remote Conference Group Number	1 ~ 4

Item No.	Item	Input Data	Description	Default
01	**Conference Name**	Up to 12 characters	Enter the name displayed at the time of a Remote Conference. This entry will display on the keyset LCD.	Group1 = Conf1 Group2 = Conf2 Group3 = Conf3 Group4 = Conf4
02	**Password**	4 digits Fixed (0 ~ 9, @ = wild character)	Define the password of a Remote Conference.	Group1 = 1111 Group2 = 2222 Group3 = 3333 Group4 = 4444
03	**Max participants**	0 ~ 32	Define the maximum number of participants of a Remote Conference.	8
04	**Max Conference Duration**	0 ~ 64800 seconds	Define the maximum duration of a Remote Conference. When this time passes, the conference is disconnected by the SL1100.	7200 seconds
05	**End Tone Alert Time**	0 ~ 64800 seconds	Determine how long prior disconnecting a Remote Conference call (based on the maximum conference duration above) the SL1100 should send out a beep. This is used to warn the conference participants of the pending disconnect.	300 seconds

Conditions

None

Feature Cross Reference

• Conference, Remote

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Program 20 : System Option Setup

20-35 : Extension's Operator Setting

Level:
IN

Program

20

Description

Use **Program 20-35 : Extension's Operator Setting** to assign an extension to an operator group.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default
01	**Extension's Operator Setting**	0 ~ 15 (0 = Not Set)	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-36 : Trunk's Operator Setting

Level:
IN

Program

20

Description

Use **Program 20-36 : Trunk's Operator Setting** to assign a trunk to an operator group.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**Trunk's Operator Setting**	0 ~ 15 (0 = Not assigned)	Allows the user to select Operator Group per trunk when DISA is being used. After the user enters the 6 digit DISA password if the user dials 0 this command will decide which operator to route the call to.	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-37 : Operator Extension Group Setup

Level:
IN

Program

20

Description

Use **Program 20-37 : Operator Extension Group Setup** to define the operator(s) in the operator group.

Input Data

Operator Group	1 ~ 15

Operator Number	1 ~ 8

Item No.	Item	Input Data	Default
01	**Operator Extension Group Setup**	**Up to eight digits**	None

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-38 : Operator Group Setting

Level:
IN

Program

20

Description

Use **Program 20-38 : Operator Group Setting** to set up priority of a call when calling an operator telephone.

Input Data

Operator Group	1 ~ 15

Item No.	Item	Input Data	Description	Default
01	**Operator Access Mode**	0 = Step 1 = Circular	Assign if the operator is called, starting with the first operator, every time (0) or a different operator is tried first (1)	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-42 : Night Mode for each package

Level:
IN

Description

Use **Program 20-42 : Night Mode for each package** to assigns the Night Mode to each package.
This Program uses ecology function (Program 20-43).

Input Data

PKG Number	02 ~ 12 (V1.5 Changed)

Item No.	Item	Input Data	Description	Default	Related Program
01	**Ecology Mode group No**	1 ~ 4	Assign Night mode group number per each package (slot)	1	12-02

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-43 : Power supply for each package

Level:
IN

Description

Use **Program 20-43 : Power supply for each package** to assigns the Night Mode to each package. This Program uses ecology function (Program 20-43).

Input Data

PKG Number	02 ~ 12 (V1.5 Changed)

Operation Mode	01 ~ 08

Item No.	Item	Input Data	Description	Default
01	**Ecology Mode**	0 = Cut the power 1 = Power Supply	Assigns the power supply mode to each package base	1

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-44 : Watch Mode Setup

Level:
IN

Program

20

Description

Use **Program 20-44 : Watch Mode Setup** to defines the watch mode.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Internal Paging Group for Watch Message**	0 ~ 32	Define Internal paging group number for Watching message.	0
02	**External Paging Group for Watch Message**	0 ~ 8	Define External paging group number for Watching message	0
03	**VRS Message for Watch Mode**	0 ~ 100	Define VRS number used for Watching message	0
04	**Interval Timer for Watch Message**	0 ~ 60	Define interval time for sending Watching message.	0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-45 : Remote Watch Setup

Program

20

Description

Use **Program 20-45 : Remote Watch Setup** to defines the remote watch.

Input Data

Terminal Number	1 ~ 6

Item No.	Item	Input Data	Description	Default
01	**Ring Terminal for Remote Inspection**	Extension Number (Up to 8 digits)	Extension number for Remote Inspection	No Setting
02	**Ring Time Setting**	0000 ~ 2359	Ringing start time for Inspected Extension	0000
03	**Ring Timer**	0 ~ 60	Ringing continue time for inspected extension	0
04	**Auto Dial Number Area Setting**	0 ~ 999	Speed dial number when detect no answer at extension and make emergency call	0
05	**VRS Message for Answer**	0 ~ 100	VRS message number when inspected extension answered	0
06	**VRS Message for Auto Dial**	0 ~ 100	VRS message number when emergency call destination answered.	0
07	**Time of Repeat Auto Dial**	0 ~ 255	Repeat number for making emergency call.	0
08	**Auto Dial Calling Time**	0 ~ 3600	Calling continue time when making emergency call.	0
09	**Interval of Auto Dial**	0 ~ 3600		0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-46 : Security Sensor Setup

Level:
IN

Program

20

Description

Use **Program 20-46 : Security Sensor Setup** to defines the security sensor.

Input Data

Security Sensor Number	1 ~ 6

Item No.	Item	Input Data	Description	Default
01	**Sensor Mode**	0 = Off 1 = On	Define door port (084M 3, 4) to use as Sensor.	0
02	**Internal Paging Group for Warning Message**	0 ~ 32	Define Internal paging group number for Warning message	0
03	**Ring Timer**	0 ~ 8	Define External paging group number for Warning message.	0
04	**VRS Message for Warning**	0 ~ 100	Define VRS number used for Warning message.	0
05	**Auto Dial Number Area Setting**	0 ~ 999	Define Speed dial number when sensor detects warning.	0
06	**VRS Message for Answer**	0 ~ 100	Define VRS message number when emergency call destination answered.	0
07	**Auto Dial Wait Timer**	0 ~ 64800	Define wait time before making emergency auto dial.	30
08	**Time of Repeat Auto Dial**	0 ~ 255	Define repeat number for making emergency call.	3
09	**Auto Dial Calling Time**	0 ~ 64800	Define calling continue time when making emergency call.	30
10	**Monitored Terminal**	Extension Number (Up to 8 digits)	Define extension number for monitor from outside. IP terminal cannot set as monitored extension.	No Setting
11	**Interval of Auto Dial**	0 ~ 3600		0

Conditions

None

Feature Cross Reference

None

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Program 20 : System Option Setup

20-47 : Time pattern setting for Watch Mode

Level:
IN

Program

20

Description

Use **Program 20-47 : Time pattern setting for Watch Mode** to defines the watch mode time pattern.

Input Data

Time Pattern	01 ~ 08

Item No.	Item	Input Data	Description	Default
01	**Watch Mode Time Pattern**	0 = Off 1 = On	Define watch mode on/off against time pattern 1-8	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-48 : Time pattern setting for Security Sensor

Program

20

Level:
IN

Description

Use **Program 20-48 : Time pattern setting for Security Sensor** to defines the Security Sensor time pattern.

Input Data

Time Pattern	01 ~ 08

Item No.	Item	Input Data	Description	Default
01	**Security Sensor Time Pattern**	0 = Off 1 = On	Define security sensor on/off against time pattern 1-8	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 20 : System Option Setup

20-49 : Caller ID Shared Group Basic Data Setup

Level:
IN

Description

Use **Program 20-49 : Caller ID Shared Group Basic Data Setup** to defines the function mode for each Caller ID shared group.

Input Data

Caller ID shared group Number	01 ~ 08

Item No.	Item	Input Data	Description	Default	Related Program
01	**Group Name**	Maximum 12 characters	Caller ID shared group Name	Refer below	15-02-67

Default

Group	Group Name
1	Group1
2	Group2
3	Group3
4	Group4
5	Group5
6	Group6
7	Group7
8	Group8

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-55 : Delay Timer for Security Sensor

Level:
IN

(This Program is available for V1.5 or higher)

Program

20

Description

Use **Program 20-55 : Delay Timer for Secuirty Sensor** to set time for Security to be operational.
Once it reach the time the Security will starts if the Security sets manually.

Input Data

Item No.	Item	Input Data	Default
01	**Sensor delay timer**	0 ~ 3600 (seconds) 0 = Sensor will start immediately	60

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-01 : System Options for Outgoing Calls

Level:
IN

Program

21

Description

Use **Program 21-01 : System Options for Outgoing Calls** to set the system options for Outgoing Call Service.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Seizure Trunk Line Mode**	0 = Priority Route 1 = Circular Route	Select the trunk based off the Trunk Route Priority (0) or based off the trunk that has not been used in the longest time (1).	0	14-05 14-06
02	**Intercom Interdigit Time**	0 ~ 64800 seconds	When placing Intercom calls, extension users must dial each digit in this time.	10 seconds	
03	**Trunk Interdigit Time (External)**	0 ~ 64800 seconds	The system waits for this time to expire before placing the call in a talk state (Call Timer starts after time expires, Voice Over and Barge-In is not allowed until after time expires).	5	14-02-08
04	**Dial Tone Detection Time**	0 ~ 64800 seconds	If dial tone detection is enabled, the system waits this time for the Telco to return dial tone. When the time expires, the system assumes dial tone is not present. To disable this time (and have the system wait continuously), enter 0.	5 seconds	14-02-05
05	**Disconnect Time when Dial Tone not Detected**	0 ~ 64800 seconds	If 14-02-11 is enabled, the system skips over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Number dialed. It does not pertain to line key or Direct Trunk Access calls.	3	
06	**Dial Pause at First Digit**	0 ~ 64800 seconds		1	
07	**Toll Restriction Override Time**	0 ~ 64800 seconds	After dialing the Toll Restriction Override codes, the system removes Toll Restriction from the extension for this time.	10 seconds	20-08-06 21-07
08	**Preset Dial Display Hold Time**	0 ~ 64800 seconds		10	
09	**Ringdown Extension Timer (Hotline Start)**	0 ~ 64800 seconds	A Ringdown extension automatically calls its programmed destination after this time.	5 seconds	20-08-09 21-11

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Program

21

Item No.	Item	Input Data	Description	Default	Related Program
10	Dial Digits for Toll Restriction Path	0 ~ 36	If this option is programmed with an entry other than 0, a call does not have a talk path unless the user dials at least the number of digits entered in this option when placing an outgoing call. This means that an entry of 4 or higher in this program causes a problem when dialing 911 (USA only). Since it is only a 3-digit number, the call does not have a talk path, preventing the emergency dispatcher from hearing the caller. This option should be kept at its default setting of 0 to prevent any problems with dialing 911 (USA only).	0	
11	Inter-Digit Time for Toll Restriction Path Control	0 ~ 60 seconds		0	
12	Dial E911 Routing Without Trunk Access	0 = Trunk Access Code Required 1 = Trunk Access Code Not Required	If enabled (1), an extension user can dial 911 (USA only) without first dialing a trunk access code or pressing a line key. If disabled (0), an extension user must dial a trunk access code (e.g., 9) or press a line key before dialing 911 (USA only).	1	
13	Alarm Ring Timer (E911)	0, 1~ 64800 seconds (0 = Off)	Use this option to set the duration of the E911 Alarm Ring Time. If set for 0, the E911 Alarm does not ring.	0	11-12-56 20-08-16
14	Forced Account Code Inter-digit Timer	0 ~ 64800 seconds	The system waits this time for a user to enter a Forced Account code.	3 seconds	
15	Outgoing Disable on Incoming Line (Toll Restriction)	0 = Disable (Off) 1 = Enable (On)	Enable or disable the Outgoing Disable on Incoming Line feature.	0	15-01-05 21-01-16 21-01-17 80-03-01
16	Supervise Dial Detection Timer	0 ~ 64800 seconds	With the Outgoing Disable on Incoming Line feature, if dial tone is not detected after the extension answers an incoming line, the system determines the call is unable to complete and releases the DTMF receiver.	20 seconds	15-01-05 21-01-16 21-01-17 80-03-01
17	Restriction Digit in Outgoing Disable on Incoming Line	Digits 1 ~ 9	With the Outgoing Disable on Incoming Line feature, determine the number of digits to be dialed before the call should be disconnected.	4	15-01-05 21-01-15 21-01-16 80-03-01
18	Reset Dial After Failure of Trunk Access	0 = Disable (Off) 1 = Enable (On)	Enable (1) or Disable (0) the ability to continue to dial codes or extensions after receiving Trunk Busy. This needs to be set to Enabled (1) for the Forced Trunk Disconnect feature to work.	1	
19	Do-Not-Call-Set-up	0 = No service 1 = Extented common restriction		0	15-01-07

Conditions

None

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Feature Cross Reference

- Central Office Calls, Placing

Program

21

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-02 : Trunk Group Routing for Extensions

Level:
IN

Program

21

Description

Use **Program 21-02 : Trunk Group Routing for Extensions** to assign Program 14-06 routes to extensions.

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Route Table Number**	0 ~ 25 (0 = No setting)	1	14-06 14-01-07

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-03 : Trunk Group Routing for Trunks

Level:
IN

Program

21

Description

Use **Program 21-03 : Trunk Group Routing for Trunks** to set the Trunk Route Table for Automatic External Call Forward. The Route Table is set in Program 14-06.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Route Table Number**	0 ~ 25 (0 = No setting)	1	14-06 14-07-01

Conditions

None

Feature Cross Reference

• Trunk Group Routing

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-04 : Toll Restriction Class for Extensions

Level:
IN

Program

21

Description

Use **Program 21-04 : Toll Restriction Class for Extensions** to assign a Toll Restriction class to an extension. The details of Toll Restriction are defined in Program 21-05 and 21-06.

A telephone and a trunk will have a Restriction Class. The higher class applies for outgoing calls.

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Restriction Class**	1 ~ 15	2	14-01-08 21-05

Conditions

None

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-05 : Toll Restriction Class

Program

21

Description

Use **Program 21-05 : Toll Restriction Class** to set the system Toll Restriction classes (1 ~ 15).

Input Data

Toll Restriction Class Number	1 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	**International Call Restriction Table**	0 = Unassigned (No) 1 = Assigned (Yes)	This option assigns/unassigns the International Call Restrict Table for the Toll Restriction Class you are programming. Enter International Call Restrict Table data in Program 21-06-01.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-01
02	**International Call Permit Code Table**	0 = Unassigned (No) 1 = Assigne02 d (Yes)	This option assigns/unassigns the International Call Permit Table for the Toll Restriction Class you are programming. Enter International Call Permit Table data in Program 21-06-02.	Class No1, 3 ~ 15 : 0 Class No2 : 1	21-06-02
04	**Maximum Number of Digits Table Assignment**	1 ~ 4 = Table 0 = Disable (None)	Select the table (defined in 21-06-03) to be used to determine the maximum number of digits allowed for outgoing calls.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-03
05	**Common Permit Code Table**	0 = Unassigned (No) 1 = Assigned (Yes)	It chooses whether the table set up by 21-06-04 is referred to, or not referred to.	Class No1, 8 ~ 15 : 0 Class No2 ~ 7 : 1	21-06-04
06	**Common Restriction Table**	0 = Unassigned (No) 1 = Assigned (Yes)	It chooses whether the table set up by 21-06-05 is referred to, or not referred to.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-05
07	**Permit Code Table**	1 ~ 4 = Table 0 = Disable (None)	Set the tables 1 ~ 4 when referring to the table set up by 21-06-06.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-06
08	**Restriction Table**	1 ~ 4 = Table 0 = Disable (None)	Set the tables 1 ~ 4 when referring to the table set up by 21-06-07.	0	21-06-07
09	**Restriction for Common Speed Dials**	0 = Does Not Restrict 1 = Following Restriction Check	Use this option to enable/disable Toll Restriction for Common Speed Dialing numbers. If enabled, System Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	

Item No.	Item	Input Data	Description	Default	Related Program
10	**Restriction for Group Speed Dials**	0 = Does Not Restrict 1 = Following Restriction Check	Use this option to enable/disable Toll Restriction for Group Speed Dialing numbers. If enabled, Group Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	
11	**Intercom Call Restriction**	0 = Disable (No) 1 = Enable (Yes)	Determines if incoming and outgoing intercom calls are allowed.	0	
12	**PBX Call Restriction**	0 = Disable (No) 1 = Enable (Yes)	Use this option to set how the system Toll Restricts calls over PBX trunks. If you enable PBX Toll Restriction, the system begins Toll Restriction after the PBX access code. The user cannot dial a PBX extension. If you disable PBX Toll Restriction, the system only restricts calls that contain the PBX access code. The system does not restrict calls to PBX extensions. Refer to the PBX compatibility feature. Make sure Program 21-05-04 (Maximum Number of Digits Table Assignment) allows for PBX Toll Call Dialing (normally 12 digits).	Class No1 ~ 6, 8 ~ 15 : 0 Class No7 : 1	
13	**Restriction of Tie Line Calls**	0 = Disable (No) 1 = Enable (Yes)	It chooses whether the toll restriction of the dial set up by 34-08 is enabled or disabled.	0	34-08

Program

21

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-06 : Toll Restriction Table Data Setup

Level:
IN

Description

Use **Program 21-06 : Toll Restriction Table Data Setup** to set the system Toll Restriction data. Dial 1 ~ 9, 0, ∗, # can be entered in each table.

Program

21

Input Data

Item No.	Item	Table	Input Data	Default
01	**International Call Restriction Table** This option lets you program the Restrict Table for international calls. The system has 10 International Call Restrict Tables. Each entry can have up to four digits.	1 ~ 10	Dial (Up to four digits)	Tables 1 ~ 10 = No setting
02	**International Call Permit Code Table** This option lets you program the Permit Table for international calls. The system has 20 International Call Permit Tables. Each entry can have up to six digits.	1 ~ 20	Dial (Up to six digits)	Tables 1 ~ 20 = No setting
03	**Maximum Number Digits Table Assignment** This option selects the maximum number of digits allowed in outgoing calls for each table.	1 ~ 4	4 ~ 30	Tables 1 ~ 4 = 30
04	**Common Permit Code Table** This option lets you program the Common Permit Code Table. This table contains up to 10 codes you commonly allow users to dial.	1 ~ 10	Dial (Up to four digits)	Table 1 = 911 Table 2 = 1800 Table 3 = 1888 Table 4 =1822 Table 5 = 1833 Table 6 =1844 Table 7 = 1855 Table 8 = 1866 Table 9 = 1877 Table 10 = No setting
05	**Common Restriction Table** This option lets you program the Common Restrict Code Table. This table contains up to 10 codes you commonly prevent users from dialing.	1 ~ 10	Dial (Up to 12 digits)	Table 1 = 900 Table 2 = 1900 Table 3 = 976 Tables 4 ~ 10 = No setting
06	**Permit Code Table** This option lets you program the Permit Code Tables. If the system has Toll Restriction enabled, users can dial numbers only if permitted by these tables and the Common Permit Table (21-06-04). There are four Permit Code Tables, with up to 200 entries in each table. The system permits calls exactly as you enter the code.	1 ~ 4 (table) 001 ~ 200 (Entry)	Dial (Up to 12 digits)	Tables 1 ~ 4 = No setting

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Item No.	Item	Table	Input Data	Default
07	**Deny Restriction Table** This option lets you program the Restrict Code Tables. If the system has Toll Restriction enabled, users cannot dial numbers listed in these tables. There are four Restrict Code Tables, with up to 60 entries in each table. The system restricts calls exactly as you enter the code.	1 ~ 4 (table) 1 ~ 60 (Entry)	Dial (Up to 12 digits)	Tables 1 ~ 4 = No setting
08	**PBX Access Code** Use this option to enter the PBX Access Code. When the system is behind a PBX, this is the code users dial to access a PBX trunk. Toll Restriction begins after the PBX access code. For PBX trunks (Program 14-04) the system only Toll Restricts calls that contain the access code. Always program this option when the system is behind a PBX, even if you don't want to use Toll Restriction. PBX Access Codes can have up to two digits, using 0-9, #, ∗ and LINE KEY 1 (don't care). When using Account Codes, do not use an asterisk in a PBX access code. Otherwise, after the ∗, the trunk stops sending digits to the central office. Entries 1~4 correspond to the 4 PBX Access Codes. Each code can have up to two digits.	1 ~ 4	Dial (Up to two digits)	Tables 1 ~ 4 = No setting
09	**Specific Dial Outgoing Code**	1 ~ 20	Dial (Up to eight digits)	Tables 1 ~ 20 = No setting
10	**Outgoing Call Code Setup**	1 ~ 20	Dial (Up to four digits)	Tables 1 ~ 20 = No setting

Program

21

Conditions

None

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-07 : Toll Restriction Override Password Setup

Level:
SA

Program

21

Description

Use **Program 21-07 : Toll Restriction Override Password Setup** to assign Toll Restriction Override codes to extension ports. Each code must have four digits, using any combination of 0 ~ 9, # and ∗. Each extension can have a separate code, or many extensions can share the same override code.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default	Related Program
01	**Password**	Four Digits (Fixed)	No setting	21-01-07 20-08-06

Conditions

None

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-08 : Repeat Dial Setup

Level:
IN

Program

21

Description

Use **Program 21-08 : Repeat Dial Setup** to define the automatic Repeat Dial data.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Repeat Redial Count**	0 ~ 255	Sets how many times a Repeat Redial automatically repeats if the call does not go through.	3
02	**Repeat Redial Interval Time**	0 ~ 64800 seconds	Set the time between Repeat Redial attempts.	60 seconds
03	**Repeat Dial Calling Timer**	0 ~ 64800 seconds	After dialing the trunk call, Repeat Redial maintains the call after this time. After this time, the system terminates the call, waits the Repeat Redial Time (Timer 02) and tries again.	30 seconds
04	**Time for Send Busy Tone for ISDN Trunk**	0 ~ 64800 seconds	Sets the time (sec) to send out Busy Tone with an ISDN line, when called party is busy.	0 second

Conditions

None

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-09 : Dial Block Setup

Level:
IN

Description

Use **Program 21-09 : Dial Block Setup** to define the Dial Blocking Toll Restriction Class and Dial Block Password to be used by the Supervisor extension.

Program

21

Input Data

Item No.	Item	Input Data	Description	Default
01	**Toll Restriction Class With Dial Block**	1 ~ 15	Assign a Toll Restriction Class of Service when the Dial Block feature is used.	15
02	**Supervisor Password**	0 ~ 9, ∗, # (4-digit fixed)	Assign a 4-digit password to be used by the supervisor to enable or disable Dial Block for other extensions.	No Setting

Conditions

• This function works by password and Class of Service control (the supervisor is not an assigned extension). If Dial Block is available for all Classes of Service, everyone may become a supervisor if they know the Dial Block password.

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-10 : Dial Block Restriction Class Per Extension

Level:
IN

Program

21

Description

Use **Program 21-10 : Dial Block Restriction Class Per Extension** to define the Toll Restriction Class to each extension when the extension is set for Dial Block Restriction. If this data is 0, Toll Restriction Class follows Program 21-09-01.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default
01	**Toll Restriction Class**	0, 1 ~ 15 (0 = No setting)	0 (No setting)

Conditions

None

Feature Cross Reference

None

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Program 21 : Outgoing Call Setup

21-11 : Extension Ringdown (Hotline) Assignment

Level:
IN

Description

Use **Program 21-11 : Extension Ringdown (Hotline) Assignment** to define the Hotline destination number for each extension number.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default	Related Program
01	Hotline Destination Number	1 ~ 0, *, #, Pause, Hook Flash, @ (Code to wait for answer supervision) (maximum 36 digits)	No Setting	20-08-09 21-01-09

Conditions

• The @ code is used to make an outbound call automatically to a DISA Trunk or to VM Auto Attendant. This code can only be used on ISDN outbound calls. Internal calls and analog outbound calls are not supported.

Feature Cross Reference

• Ringdown Extension (Hotline), Internal/External

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Program 21 : Outgoing Call Setup

21-12 : ISDN Calling Party Number Setup for Trunks

Level:
IN

Program

21

Description

Use **Program 21-12 : ISDN Calling Party Number Setup for Trunks** to assign Calling Party Numbers for each trunk (maximum 16 digits per entry). When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in 21-12.

🖊 *If the Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.*

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	Calling Party Number Data	1 ~ 0, ∗, # (maximum 16 digits)	No Setting

Conditions

None

Feature Cross Reference

• ISDN Compatibility

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Program 21 : Outgoing Call Setup

21-13 : ISDN Calling Party Number Setup for Extensions

Level:
IN

Program

21

Description

Use **Program 21-13 : ISDN Calling Party Number Setup for Extensions** to assign each extension a Calling Party Number (maximum 16 digits per entry). The calling number is the subscriber number of the dial-in number. When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in Program 21-12.

🖉 *If a Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.*

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default
01	Calling Party Number Data	1 ~ 0, ∗, # (maximum 16 digits)	No Setting

Conditions

None

Feature Cross Reference

• ISDN Compatibility

Program 21 : Outgoing Call Setup

21-14 : Walking Toll Restriction Password Setup

Level:
SA

Program

21

Description

Use **Program 21-14 : Walking Toll Restriction Password Setup** to assign the password and Toll Restriction Class for Walking Toll Restriction. Each code has six digits, using any combination of 0 ~ 9, # and ∗.

Input Data

ID Table Number	1 ~ 100

Item No.	Item	Input Data	Default
01	**User ID**	**Dial (Six digits)**	No Setting
02	**Walking Toll Restriction Class Number**	1 ~ 15	1

Conditions

None

Feature Cross Reference

• Code Restriction/Toll Restriction

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-15 : Individual Trunk Group Routing for Extensions

Level:
IN

Description

Use **Program 21-15 : Individual Trunk Group Routing for Extensions** to designate the alternate trunk access route accessed when a user dials the Alternate Trunk Route Access Code. Refer to Program 11-09 : Trunk Access Code on page 2-63 when setting up alternate trunk codes. Refer to 14-06 : Trunk Group Routing on page 2-111 to set up the trunk routes. When entering data for this option, enter the route number or 0 to prevent routing.

Program

21

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Route Table Number**	0 ~ 25 (0 = No setting)	0

Conditions

None

Feature Cross Reference

• Central Office Calls, Placing

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Program 21 : Outgoing Call Setup

21-16 : Trunk Group Routing for Networking

Level:
IN

(This Program is available for V1.5 or higher)

Program

21

Description

Use **Program 21-16 : Trunk Group Routing for Networking** to assign Program 14-06 routes for a networked system. This is required to seize the trunk in a networked system (Extension in System A tries to make an external call using a trunk in System B).

The route number is specified for each system ID (01 ~ 04).

Input Data

System ID	01 ~ 04

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Route Table Number**	0 ~ 25 (0 = No Setting)	1	14-06-01

Conditions

None

Feature Cross Reference

• Networking, AspireNet

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk

Level:
IN

Description

Use **Program 21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk** set the SIP calling party number for individual trunks.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default	Related Program
01	**Calling Party Number** (V2.0 Changed)	**Up to 16 digits** (1 ~ 0, ∗, #)	No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

None

21

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Program 21 : Outgoing Call Setup

21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension

Level:
IN

Program

21

Description

Use **Program 21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension** to set the SIP calling party number for an individual extension.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default	Related Program
01	**Calling Party Number**	Up to 16 Digits (1 ~ 0, *, #)	No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-20 : SIP Trunk Call Discernment Setup for Extension

Level:
SB

Program

21

Description

Use **Program 21-20 : SIP Trunk Call Discernment Setup for Extension** to set the SIP Trunk Call Discernment.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default
01	**Discernment Tone**	0 = Off 1 = On	1

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)

Program

21

Level:
IN

Description

Use **Program 21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)** to define the toll restriction class to each trunk. The details of toll restriction are defined by Programs 21-05 and 21-06.

This program is compared to Station Restriction Class. The higher class is applied.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 9 (9 = Power Failure mode)

Item No.	Item	Input Data	Description	Default	Related Program
01	**Restriction Class**	1 ~ 15	Enter the Toll Restriction Class for the selected trunk.	1	14-01-08 21-05

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 21 : Outgoing Call Setup

21-22 : CO Message Waiting Indication - Call Back Settings

Level:
IN

Program

21

Description

Use **Program 21-22 : CO Message Waiting Indication - Call Back Settings** to define the settings of
CO Message Waiting Indication.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**CO MWI Call Back En-abling**	0 = No VMWI Service 1 = Enable VMWI Service	Enable or Disable CO MWI Call Back.	0
02	**CO MWI Call Back Number Area Setting**	0 ~ 999	Define the Speed Dial Bin number for MWI Call Back.	999

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-01 : System Options for Incoming Calls

Level:
IN

Program

22

Description

Use Program 22-01 : System Options for Incoming Calls to define the system options for incoming calls.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Incoming Call Priority**	0 = Intercom Call Priority 1 = Trunk Call Priority	Use this option to determine if Intercom calls or trunk calls have answer priority when both are ringing simultaneously.	1	15-02-22
02	**Incoming Call Ring No Answer Alarm**	0 = Disable (Off) 1 = Enable (On)	If enabled, an incoming call that rings longer than the Ring No Answer Alarm interval (22-01-03), changes to a unique ring cadence to indicate that the call has been ringing too long. If disabled, this does not occur.	0	22-01-03 22-01-04
03	**Ring No Answer Alarm Time**	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this interval, the system changes the ring cadence. This indicates to the user that the call has been ringing too long.	60 seconds	22-01-02
04	**DIL No Answer Recall Time**	0 ~ 64800 seconds	A DIL that rings its programmed destination longer than this interval diverts to the DIL No Answer Ring Group (set in Program 22-08).	0 second	
06	**DID Ring-No-Answer Time**	0 ~ 64800 seconds	In systems with DID Ring-No-Answer Intercept, this sets the Ring-No-Answer time. This time is how long a DID call rings the destination extension before rerouting to the intercept ring group.	20 seconds	22-12
07	**DID Incoming Ring Group No Answer Time**	0 ~ 64800 seconds		20 seconds	
08	**DID Pilot Call No Answer Time**	0 ~ 64800 seconds		60 seconds	
09	**DID to Trunk to Trunk no answer timer**	0 ~ 64800 seconds		20 seconds	
10	**VRS Waiting Message Operation**	0 = Enable Always 1 = Change by Manual Operation	Set up the operation mode for Auto Attendant and Queuing Message.	0	22-14 22-15 22-08 22-04 22-01-04 20-15-11 15-07

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Item No.	Item	Input Data	Description	Default	Related Program
11	**VRS Waiting Message Interval Time**	0 ~ 64800 seconds	Setup the sending duration time of the Auto - Attendant & Queuing. The message is repeatedly sent out during the specified time.	20 seconds	22-14-06 22-15-06 41-11-06
12	**Mobile Extension answer time**	0~ 64800 seconds		3 seconds	15-22-04

Conditions

None

Feature Cross Reference

• Central Office Calls, Answering

Program

22

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-02 : Incoming Call Trunk Setup

Level:
IN

Program

22

Description

Use **Program 22-02 : Incoming Call Trunk Setup** to assign the incoming trunk type for each trunk. There is one item for each Night Service Mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Incoming Type**	0 = Normal 1 = VRS (second dial tone if no VRS installed) 2 = DISA 3 = DID 4 = DIL 5 = E&M Tie line 6 = Delayed VRS 7 = ANI/DNIS 8 = DID (DDI) Mode Switching	Use this option to set the feature type for the trunk you are programming.	0	14-04

Conditions

• When connecting to T1 trunks, after changing Program 22-02-01 to match the Telco connected T1 service type, the T1 cable or the T1 unit must be unplugged and then reconnected for the T1 unit to sync.
• When the trunk type is set to 3 (DID), the DID Transfer to Destination in 22-11-04 for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.
• When the trunk type is set to 3 (DID), the DID Intercept Destination feature for each DID is not supported. This feature is supported only for DID trunks assigned as VRS.

Feature Cross Reference

• Central Office Calls, Answering

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-03 : Trunk Ring Tone Range

Level:
IN

Description

Use **Program 22-03 : Trunk Ring Tone Range** to select the ring tone range for the trunk. The trunk uses a ring tone in the range selected when it rings an extension. Eight ring tones are available. Customize the Trunk Ring Tones in Program 82-01.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default	Related Program
01	**Ring Tone Pattern**	0= Ring Tone Pattern 1 1= Ring Tone Pattern 2 2= Ring Tone Pattern 3 3= Ring Tone Pattern 4 4= Melody 1 5= Melody 2 6= Melody 3 7= Melody 4 8= Melody 5	Use this program to select the ring tone range for the trunk. The trunk uses a ring tone in the range selected when it rings an extension. Eight ring tones are available.	0	15-02

Table 2-6 Program 22-03 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High Middle Low	1100Hz 660Hz 520Hz	1400Hz 760Hz 660Hz	16Hz 16Hz 16Hz
Pattern 2	High Middle Low	1100Hz 660Hz 520Hz	1400Hz 760Hz 660Hz	8Hz 8Hz 8Hz
Pattern 3	High Middle Low	2000Hz 1400Hz 1100Hz	760Hz 660Hz 540Hz	16Hz 16Hz 16Hz
Pattern 4	High Middle Low	2000Hz 1400Hz 1100Hz	760Hz 660Hz 540Hz	8Hz 8Hz 8Hz

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

• Selectable Ring Tones

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-04 : Incoming Extension Ring Group Assignment

Level:
SA

Program

22

Description

Use **Program 22-04 : Incoming Extension Ring Group Assignment** to assign extensions to Ring Groups. Calls ring extensions according to Ring Group programming. Use Program 22-05 to assign trunks to Ring Groups and use Program 22-06 to set the ringing for the phones. An Incoming Ring Group (IRG) can have up to 32 extension numbers assigned.

🖉 *There are 25 available Ring Groups.*

Input Data

Incoming Ring Group Number	01 ~ 25

Item No.	Item	Input Data	Description	Default	Related Program
01	**Extension Number**	Maximum eight Digits	Use this program to assign extensions (up to 32) to Ring Groups. Calls ring extensions according to Ring Group programming.	Group01 has 101, 102, 103, 104, 105, 106, 107, and 108 (First 8 ports ringing)	22-02 22-05 22-06

Conditions

None

Feature Cross Reference

• Ring Groups

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-05 : Incoming Trunk Ring Group Assignment

Level:
IN

Program

22

Description

Use **Program 22-05 : Incoming Trunk Ring Group Assignment** to assign trunks to incoming Ring Groups. There are 25 available Ring Groups.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Incoming Group Number** (V1.0)	0 = No setting 01 ~ 25 = Incoming Group 102 = VMI	Use this program to assign Normal Ring Trunks (22-02) to Incoming Ring Groups (22-04).	1	22-04 22-06

Conditions

None

Feature Cross Reference

• Ring Groups

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-06 : Normal Incoming Ring Mode

Level:
IN

Description

Use **Program 22-06 : Normal Incoming Ring Mode** to define whether or not an extension should ring for the Normal Incoming Ring Mode.

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Incoming Group Number**	0 = No Ring 1 = Ring	1	22-04 22-05

Conditions

None

Feature Cross Reference

• Central Office Calls, Answering

Program 22 : Incoming Call Setup

22-07 : DIL Assignment

Level:
IN

Program

22

Description

Use **Program 22-07 : DIL Assignment** to assign the destination extension or Department Calling Group for each DIL Incoming trunk. A DIL rings an extension directly, without any other Access Map or Ring Group programming. If an extension has a line key, the DIL rings the line key. Use Program 22-02 to designate a trunk as a DIL. You can make eight DIL assignments, one for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Number of Transferring Destination**	Assign extension or department group number for DIL trunk Extension Number (maximum eight digits)	No Setting

Conditions

• Program 22-02 must be set to four for the trunk.

Feature Cross Reference

• Direct Inward Line (DIL)

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-08 : DIL/IRG No Answer Destination

Level:
IN

Program

22

Description

For DIL Delayed Ringing, use **Program 22-08 : DIL/IRG No Answer Destination** to assign the DIL No Answer Ring Group. An unanswered DIL rings this group after the DIL No Answer Time expires (Program 22-01-04). DIL Delayed Ringing can also reroute outside calls ringing a Ring Group. Make eight assignments, one for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Incoming Group Number** (V1.5 Changed)	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM 103 = Centralized VM	1

Conditions

None

Feature Cross Reference

• Direct Inward Line (DIL)
• Ring Group

Program 22 : Incoming Call Setup

22-09 : DID Basic Data Setup

Level:
IN

Program

22

Description

Use **Program 22-09 : DID Basic Data Setup** to define the basic setting of Dial-In incoming calls for each trunk group.

Input Data

Trunk Group Number	01 ~ 25

Item No.	Item	Input Data	Description	Default
01	**Expected Number of Digits**	1 ~ 8	Enter the number of digits the table expects to receive from the Telco. Use this program to make the system compatible with 3- and 4-digit DID service. If ISDN trunks, we analyze the last digits that are set here. If it is T-1 or analog DID, it analyzes the first digits that are assigned here.	4
02	**Received Vacant Number Operation**	0 = Disconnect (Cut) 1 = Transfer (Refer to Program 22-12 : DID Intercept Ring Group. on page 2-260)	Use this option to enable or disable Vacant Number Intercept.	0
03	**Sub-Addressing Mode**	0 = Extension # Specify (Intercom) 1 = DID Conversion Table		0
04	**DID Receiving Mode for ISDN**	0 = Enbloc Receiving 1 = Overlap Receiving		0
05	**Local Code Digits**	0 ~ 15 (0 = No Local Code)	(Only Overlap Receiving Mode)	0
06	**Local Code**	Dial (maximum 16 digits)	(Only Overlap Receiving Mode)	No Setting
07	**Pilot Code**	Dial (1 digit : 0 ~ 9)	(Only Overlap Receiving Mode)	No Setting
08	**T302 Time-out Operation**	0 = Disconnect (Cut) 1 = Transfer (Refer to Program 22-12 : DID Intercept Ring Group. on page 2-260)	(Only Overlap Receiving Mode)	0

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

• Direct Inward Dialing (DID)

Program

22

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-10 : DID Translation Table Setup

Level:
IN

Program

22

Description

Use **Program 22-10 : DID Translation Table Setup** to specify the size of the DID Translation Tables. There are 800 (V1.5 or higher) Translation Table entries that you can allocate among 20 Translation Tables.

Input Data

Conversion Table Area Number	01 ~ 20

Item No.	Item	Input Data	Default
01	**1st Area Setup (Start Address)**	0 ~ 800 (0 = No setting)	Refer below
	1st Area Setup (End Address)		
	2nd Area Setup (Start Address)		
	2nd Area Setup (End Address)		

Default

Conversion Table Area	1st		2nd	
	Start Table	End Table	Start Table	End Table
1	1	200	0	0
2	201	400	0	0
3	401	600	0	0
4	601	800	0	0
5	0	0	0	0
:	:	:	:	:
20	0	0	0	0

Conditions

None

Feature Cross Reference

• Direct Inward Dialing (DID)

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-11 : DID Translation Number Conversion

Level:

SA

Description

Use **Program 22-11 : DID Translation Number Conversion** to specify for each Translation Table entry (800).

- The digits received by the system (eight maximum)
- The extension the system dials after translation (36 digits maximum)
- The name that should show on the dialed extension display when it rings (12 characters maximum)
- The Transfer Target - 1 and 2

    🖉 *If the Transfer Targets are busy or receive no answer, those calls are transferred to the final transfer destination (Program 22-10).*

- Operation Mode

Use the following chart when entering and editing text for names. Press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	**When you want to ...**
1	Enter characters: **1 @ [¥] ^ _ ` {	} →← Á À Â Ã Å Æ Ç É Ê ì ó 0**
2	Enter characters: **A-C, a-c, 2**.
3	Enter characters: **D-F, d-f, 3**.
4	Enter characters: **G-I, g-i, 4**.
5	Enter characters: **J-L, j-l, 5**.
6	Enter characters: **M-O, m-o, 6**.
7	Enter characters: **P-S, p-s, 7**.
8	Enter characters: **T-V, t-v, 8**.
9	Enter characters: **W-Z, w-z, 9**.
0	Enter characters: **0 ! " # $ % & ' ( ) ô õ ú å ä æ ö ü α ε θ B**
∗	Enter characters: **∗ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £**
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Conversion Table Number	001 ~ 800

Item No.	Item	Input Data	Description	Default
01	**Received Number**	This is the received DID digits.	Maximum eight digits (0 ~ 9, *, #)	No Setting
02	**Target Number**	Enter the destination number to which the DID number is sent.	Maximum 36 digits (0 ~ 9, *, #, @)	No Setting
03	**DID Name**	This is the name that is assigned to the DID digits when it rings the extension.	Maximum 12 characters	No Setting
04	**Transfer Operation Mode**		0 = No Transfer 1 = Busy 2 = No Answer 3 = Busy/No Answer	0
05	**Transfer Destination Number 1**		0 = No setting 01 ~ 25 = Incoming Rin Group 102 = VM 103 = Centralized VM (V1.5 Added) 201 ~ 232 = Department Group 400 = VRS 401 = DISA 501 ~ 599 = Valid Extension Number/VRS Message (V2.0 Change) (VRS Message No.) 1000 ~ 1999 = Common ABB Dial (000 ~ 999)	0
06	**Transfer Destination Number 2**	400 - Allow the outside party to dial a different extension number in the translation table (for example, ring no answer to a dialed number, the caller then hears a dial tone, allowing them to enter another Valid Extension Number). 401 - Provide the caller with DISA dialing options (requires using the DISA password). *This applies to 22-11-05 and 22-11-06.*	0 = No setting 01 ~ 25 = Incoming Rin Group 102 = VM 103 = Centralized VM (V1.5 Added) 201 ~ 232 = Department Group 400 = VRS 401 = DISA 501 ~ 599 = Valid Extension Number/VRS Message (V2.0 Change) (VRS Message No.) 1000 ~ 1999 = Common ABB Dial (000 ~ 999)	0
07	**Call Waiting**	Program 20-09-07 overrides this setting.	0 = Disable (No) 1 = Enable (Yes)	0
08	**Maximum Number of DID Calls**		0 ~ 084 (0 = No limit)	0
09	**Music on Hold Source**		0 = IC/MOH Port 1 = BGM Port	0

Item No.	Item	Input Data	Description	Default
11	**Incoming Ring Group Transfer**	Enable (1) or disable (0) each conversation tables ability to follow the Ring Group programming defined in Program 22-12-01 : DID Intercept Ring Group. If Program 22-11-05 : DID Translation Number Conversion, Transfer Destination Number 1 and Program 22-11-06 : DID Translation Number Conversion, Transfer Destination Number 2 are set, the priority of transferring is in this order: Program 22-11-05 then Program 22-11-06 then if Program 22-11-11 is enabled, Program 22-12-01. ✎ *If the terminal is in Power Cutting mode from the ecology feature this command will not be applied.*	0 = Disable (Caller will hear Ringback) 1 = Enabled (Go to normal ring)	1

Program

22

Conditions

When the trunk type is set to 3 (DID) in 22-02-01, the DID Transfer Destination for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.

Feature Cross Reference

• Direct Inward Dialing (DID)

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Program 22 : Incoming Call Setup

22-12 : DID Intercept Ring Group

Level:
IN

Program

22

Description

For each DID Translation Table, use **Program 22-12 : DID Intercept Ring Group** to define the first destination group for DID calls.

Depending on the entry in Programs 22-09-02 and 22-11-04, the incoming calls route to the first destination group by the following:

- Vacant number intercept (vacant number means that no phone is connected, no station unit is installed, or the extension number is not defined in Program 11-02)
- Busy intercept
- Ring-no-answer intercept

If the destination is 0, the calls are forwarded to the trunk ring group defined in Program 22-11 based on the table assigned to the DID trunk.

🖋 *If Programs 22-11-05 and 22-11-06 are set, the priority of transferring is in this order: Program 22-11-05 + Program 22-11-06 + Program 22-12.*

For busy and no-answer calls, if the first and third destinations are programmed, but the second destination is not, the incoming call goes to the third destination after the first destination. If the first and second destinations are not defined, but the third destination is, the call goes directly to the third destination.

Input Data

Conversion Table Area Number	01 ~ 20

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Incoming Group Number** (V1.5 Changed)	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM 103 = Centralized VM	1

Conditions

None

Feature Cross Reference

- Direct Inward Dialing (DID)

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-13 : DID Trunk Group to Translation Table Assignment

Level:
IN

Program

22

Description

Use **Program 22-13 : DID Trunk Group to Translation Table Assignment** to assign the DID Trunk Groups to DID Translation Tables. DID trunks should be in their own group. If you have more than one type of DID trunk, put each type in a separate Trunk Group. For each Trunk Group, you make a Translation Table entry for each Night Service mode.

Input Data

Trunk Group Number	1 ~ 25

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Conversion Table Area Number**	0 ~ 20 (0 = No setting)	1

Conditions

None

Feature Cross Reference

• Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup

22-14 : VRS Delayed Message for IRG

Level:
IN

Program

22

Description

Use **Program 22-14 : VRS Delayed Message for IRG** (Incoming Group Ring) to define for each incoming ring group the timers, VRS message number and type of tone for VRS Waiting Message.

Input Data

Incoming Ring Group Number	1 ~ 25

Item No.	Item	Input Data	Description	Default
01	**1st Delayed Message Start Time**	0 ~ 64800 seconds	Time before the VRS Delay Message is played for IRG.	0
02	**1st Delayed Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st Delayed Message.	0
03	**1st Delayed Message Sending Count**	0 ~ 255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st Delay Message is not played.	0
04	**2nd Delayed Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd Delayed Message.	0
05	**2nd Delayed Message Sending Count**	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd Delay Message is not played.	0
06	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Message.	0
07	**Disconnect Time After the End of VRS Delayed Message**	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-15 : VRS Delayed Message for Department Group

Level:
IN

Description

Use **Program 22-15 : VRS Delayed Message for Department Group** to define for each Department (Extension) Group the timers, VRS message number and tone kind for VRS Delayed Message. There are 32 available Department Groups.

Input Data

Extension Group Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**1st Delayed Message Start Time**	0 ~ 64800 seconds	Time before the VRS Delay Message is played for Department Group.	0
02	**1st Delayed Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st Delayed Message.	0
03	**1st Delayed Message Sending Count**	0~255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st Delay Message is not played.	0
04	**2nd Delayed Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd Delayed Message.	0
05	**2nd Delayed Message Sending Count**	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd Delay Message is not played.	0
06	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Message.	0
07	**Disconnect Time After the End of VRS Delayed Message**	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60

Conditions

None

Feature Cross Reference

• Department Group

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-16 : Private Call Refuse Target Area Setup

Level:
IN

Program

22

Description

Use **Program 22-16 : Private Call Refuse Target Area Setup** to define Speed Dial group number for Private Call Refuse.

Input Data

Item No.	Item	Input Data	Default
01	**Speed Dial Group Number**	0 ~ 32	0

Conditions

None

Feature Cross Reference

• Department Group

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-17 : Dial-In Conversion Table Area Setup for Time Pattern

Level:
SA

Program

22

Description

Use **Program 22-17: Dial-In Conversion Table Area Setup for Time Pattern** to define Time Zone and Dial-In Conversion Table (Program 22-11) for Time Pattern.

Input Data

Conversion Table Number	001 ~ 500 (V2.0 Changed)

Time Pattern Number	1 ~ 8

Item No.	Item	Input Data	Description	Default
01	**Received Dial**	Up to eight digits		No Setting
02	**Start of Time**	0000 ~ 2359 (Time)		0000
03	**End of Time**	0000 ~ 2359 (Time)		0000
04	**Dial-In Conversion Table Number**	0 ~ 800		0
05	**Day of week** (V2.0 Added)	1: Sun 2: Mon 3: Tue 4: Wed 5: Thu 6: Fri 8: Sun 9: Holiday 0 = Off 1 = On	It checks it on a day of the week that uses the translation table number. Order to turn it ON set 1 for each day.	1

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-18 : Private Call Assignment Setup

Level:
IN

Program

22

Description

Use **Program 22-18: Private Call Assignment Setup** to define assignment and incoming ring pattern for Private Calls.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Transfer Mode**	0 = Not defined 1 = Internal dial 2 = Incoming Ring Group	0	14-01-27 15-02-02 40-10-06
02	**Destination Number**	1 = Internal Dial (up to 36 digits) 0 ~ 9, ✱, #, P, R, @ 2 = Incoming Ring Group 0 ~ 25	No setting	14-01-27 15-02-02 40-10-06
03	**Incoming Ring Pattern**	Incoming Ring Pattern (0 ~ 9) 0 = Normal pattern 1 ~ 4 = Tone pattern (1 ~ 4) 5 ~ 9 = Scale pattern (1 ~ 5)	0	14-01-27 15-02-02 40-10-06

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 22 : Incoming Call Setup

22-20 : Flexible Ringing by Caller ID Setup

Level:
IN

Program

22

Description

Use **Program 22-20: Flexible Ringing by Caller ID Setup** to set flexible ringing by Caller ID per timer pattern mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	01 ~ 08

Item No.	Item	Input Data	Default	Related Program
01	**Flexible Ringing**	0 = Disable 1 = Enable	1	13-04 14-01-30

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 23 : Answer Features Setup

23-02 : Call Pickup Groups

Level:
IN

Program

23

Description

Use **Program 23-02 : Call Pickup Groups** to assign extensions to Call Pickup Groups. This program also lets you assign an extension Call Pickup Group priority. If two extensions in a group are ringing at the same time, Group Call Pickup intercepts the highest priority extension first.

🖉 *There are 32 available Call Pickup Groups.*

Input Data

Extension Number	Maximum eight digits

Group Number	1 ~ 32

Item No.	Item	Input Data	Description	Default	Related Program
01	**Priority**	1 ~ 999	Use this program to assign extensions to Call Pickup Groups other than the extension group set up by a Program 16-02.	1 - xxx	11-12-26 11-12-27 11-12-28 15-07-24 15-07-25 15-07-26

Conditions

None

Feature Cross Reference

• Group Call Pickup

DFW Phone 972-992-4600

Program 23 : Answer Features Setup

23-03 : Universal Answer/Auto Answer

Level:
IN

Program

23

Description

Use **Program 23-03 : Universal Answer/Auto Answer** to assign trunk routes (set in Program 14-06) to extensions for Universal Answer. If the call ringing the paging system is in an extension assigned route, the user can dial the Universal Answer code (#0) to pick up the call.

You can also use this program to let an extension user automatically answer trunk calls that ring other extensions (not their own). When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06). The extension user ringing calls, however, always have priority over calls ringing other co-worker extensions. Refer to the Line Preference feature in the SL1100 Features and Specifications Manual for more information.

🖉 *Make one entry for each Night Service mode.*

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Route Table Number**	0 ~ 25	Use this program to let an extension user automatically answer trunk calls that ring other extensions. When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06).	0	14-06

Conditions

None

Feature Cross Reference

- Line Preference
- Night Service

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Program 23 : Answer Features Setup

23-04 : Ringing Line Preference for Virtual Extensions

Level:
IN

Program

23

Description

Use **Program 23-04 : Ringing Line Preference for Virtual Extensions** to set the off-hook automatic response priority for calls ringing virtual extension keys on a telephone.

✎ *There are 50 available Virtual Extension Ports.*

Input Data

Extension Number	Maximum eight digits

Priority Order	1 ~ 4

Item No.	Item	Input Data	Description	Default	Related Program
01	**Extension Group Number**	0 ~ 32 (0 = No setting)	When an extension has a virtual extension assigned to a Programmable Function Key, this program determines the priority for automatically answering the ringing calls when the handset is lifted. If 0 or 00 is selected, when the user lifts the handset, the user answers a ringing call from any group.	0	16-02

Conditions

None

Feature Cross Reference

• Virtual Extensions

DFW Phone 972-992-4600

Program 24 : Hold/Transfer Setup

24-01 : System Options for Hold

Level:
IN

Program

24

Description

Use **Program 24-01 : System Options for Hold** to define the system options for the Hold feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Hold Recall Time**	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Item 2).	60 seconds (V1.5 Changed)	
02	**Hold Recall Call-back Time**	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold recall time again. Cycling between time 01 and 02 and 06 and 07 continues until a user answers the call.	30 seconds	
03	**Exclusive Hold Recall Time**	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90 seconds	
04	**Exclusive Hold Recall Callback Time**	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	30 seconds	
05	**Forced Release of Held Call**	0 ~ 64800 seconds	Depending on the setting of Program 14-01-16, the system disconnects calls on Hold longer than this time.	1800 seconds	14-01-16
06	**Park Hold Time - Normal**	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initially parked it.	60 seconds (V1.5 Changed)	20-31-14
07	**Park Hold Time - Extended (Recall)**	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initially parked it.	300 seconds	

Conditions

None

Feature Cross Reference

- Hold
- Park

DFW Phone 972-992-4600

Program 24 : Hold/Transfer Setup

24-02 : System Options for Transfer

Level:
IN

Description

Program

24

Use **Program 24-02 : System Options for Transfer** to define the system options for the Transfer feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Busy Transfer**	0 = Disable (No) 1 = Enable (Yes)	Use this option to prevent or allow extensions to Transfer calls to busy extensions. If disabled, calls transferred to busy extensions recall immediately.	1	
02	**MOH or Ringback on Transferred Calls**	0 = Hold Tone 1 = Ring Back Tone	Use this option to enable or disable MOH on Transfer. If enabled (0), a transferred caller hears MOH while their call rings the destination extension. If disabled (1), a transferred caller hears ringback while their call rings the destination extension.	1 (V1.5 Changed)	20-03-02
03	**Delayed Call Forwarding Time**	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an extension forwarded to Voice Mail before routing to the called extension mailbox.	10 seconds	20-31-15
04	**Transfer Recall Time**	0 ~ 64800 seconds	An unanswered transferred call recalls to the extension that initially transferred it after this time.	20 seconds (V1.5 Changed)	20-31-16
05	**Message Wait Ring Interval Time**	0 ~ 64800 seconds	For Single Line Telephones (SLTs) without message waiting lamps, this is the time between intermittent ringing. If this value is set to 0, the system rings once.	30 seconds	
07	**Trunk-to-Trunk Transfer Release Warning Tone**	0 ~ 64800 seconds	Time starts when a trunk begins talking with another trunk (for example : trunk-to-trunk transfer, outgoing from trunk, Tandem Trunking). When this time expires, a warning tone is heard. If Program 24-02-10 is set, the conversation disconnects after time expires. This time is set again when the external digit timer expires. One of the trunks used must be an analog trunk (or leased line).	1800 seconds	14-01-25 20-28-01 20-28-02 20-28-03 24-02-10
08	**Delayed Transfer Time for all Department Groups**	0 ~ 64800 seconds		10 seconds	11-11-28 11-11-29 15-07-59

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Item No.	Item	Input Data	Description	Default	Related Program
09	**Two B-Channel Transfer Retry Timer**	0 ~ 30 seconds		10 seconds	10-03-16 (PRI)
10	**Disconnect Trunk-to-Trunk**	0 ~ 64800 seconds		0	14-01-25 20-28-01 20-28-02 20-28-03 24-02-07
11	**No Answer Step Transfer**	0 ~ 64800 seconds		10 seconds	14-01-26
12	**No Answer Trunk-to-Trunk Transfer**	0 ~ 64800 seconds		0	14-01-26
13	**Hook Flash Sending Timer When the System Answers Automatically**	0 ~ 64800 seconds	Time before sending the hook flash for Call Forward Centrex.	2 seconds	

Program

24

Conditions

None

Feature Cross Reference

• Transfer

DFW Phone 972-992-4600

Program 24 : Hold/Transfer Setup

24-03 : Park Group

Level:
IN

Description

Program 24

24

Use **Program 24-03 : Park Group** to assign an extension to a Park Group. The system allows a total of 64 Park Groups. An extension user can pick up only a call parked in orbit by an extension user in own group.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default	Related Program
01	**Park Group Number**	1 ~ 64	Assign an extension to a Park Group. The system allows a total of 64 Park Groups.	1	15-07-01

Conditions

None

Feature Cross Reference

• Park

DFW Phone 972-992-4600

Program 24 : Hold/Transfer Setup

24-04 : Automatic Trunk-to-Trunk Transfer Target Setup

Level:
IN

Program

24

Description

Use **Program 24-04 : Automatic Trunk-to-Trunk Transfer Target Setup** to assign the Speed Dialing number bin which should be used as the destination of the Automatic Trunk-to-Trunk Transfer.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Description	Related Program
01	**Speed Dial Area Number**	0 ~ 999	999	The destination telephone number of the Trunk-to-Trunk Transfer uses the number registered into the Speed Dial. Use this program to setup the Speed Dial Bin Number.	11-10-08 13-04 24-05

Conditions

None

Feature Cross Reference

• Call Forwarding, Off-Premise

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Program 24 : Hold/Transfer Setup

24-05 : Department Group Transfer Target Setup

Level:
IN

Program

24

Description

Use **Program 24-05 : Department Group Transfer Target Setup** to assign the Speed Dialing bin which is used as the destination of the extension for the Extension Group.

🖉 *There are 32 available Department Groups.*

Input Data

Extension Group Number	01 ~ 32

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Description	Default	Related Program
01	**Speed Dial Area Number**	0 ~ 999	The Speed Dialing area is used to program the destination number of the transferred telephone number when a Department Group call is transferred using the Trunk-to-Trunk Forwarding feature.	999	11-11-27 13-04 24-04

Conditions

None

Feature Cross Reference

• Transfer

DFW Phone 972-992-4600

Program 24 : Hold/Transfer Setup

24-09 : Call Forward Split Settings

Level:
IN

Description

Use **Program 24-09 : Call Forward Split Settings** to assign Call Forwarding Type and the destination number for each extension/virtual extension. The destination can have up to 24 digits, using 0 ~ 9, ∗, #, and @. Be sure to include the trunk access code (e.g., 9) in the number if the destination is off-premise.

Only ISDN uses the @ symbol.

Pause can be set by LK 1.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Default
01	Call Forwarding Type	0 ~ 5 0 = Call Forwarding Off 1 = Call Forwarding with both ring 2 = Call Forwarding when no answer 3 = Call Forwarding all calls 4 = Call Forwarding busy or no answer 5 = Call Forwarding when busy	0
02	CO Call Forwarding Destination for Both Ring, All Call, No Answer	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed) *Only ISDN uses the @ symbol*	None
03	Intercom Call Forwarding Destination for Both ring, All Call, No Answer	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed)	None
04	CO Call Forwarding Busy Destination	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed)	None
05	Intercom Call Forwarding Busy Destination	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed)	None
06	Call Forwarding Destination for CTX/PBX for All Call, No Answer	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed)	None
07	Call Forwarding Destination for CTX/PBX for Busy	1 ~ 9, 0, #, ∗, R, @ (Up to 36 digits) (V1.5 Changed)	None

Conditions

None

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Feature Cross Reference

- Call Forwarding, Off-Premise

Program

24

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-01 : VRS/DISA Line Basic Data Setup

Level:
IN

Program

25

Description

Use **Program 25-01 : VRS/DISA Line Basic Data Setup** to define the basic setting of each VRS/DISA line.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default	Related Program
01	**VRS/DISA Dial - In Mode**	0 = Extension Number Service Code Specify (Intercom) 1 = Use Dial Conversion Table	0	22-11
02	**DISA User ID**	0 = Off 1 = On	1	25-08
03	**VRS/DISA Transfer Alarm**	0 = Normal (Off) 1 = Alarm (On)	0	

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-02 : DID/DISA VRS Message

Level:
IN

Program

25

Description

Use **Program 25-02 : DID/DISA VRS Message** to assign the VRS message number to be used as the Automated Attendant Message for each trunk which is assigned as a VRS/DISA.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Additional Data	Default
01	**Message (Talkie) Source**	0 = No Talkie 1 = VRS 3 = SLT	1 = 01 ~ 100 (VRS Message Number) 3 = 01 ~ 32 (Station Group Number)	Talkie Type = 1 Additional Data = 1

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing

Level:
IN

Description

Use **Program 25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing** to set what happens to a call when the DISA or Automated Attendant caller dials incorrectly or waits too long to dial. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Incoming Group Number**	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI 103 = Centralized VM (V1.5 Added)	0	22-04

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy

Level:
IN

Program

25

Description

Use **Program 25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy** to set the operating mode of each DISA trunk. This sets what happens to the call when the DISA or Automated Attendant caller calls a busy or unanswered extension. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Incoming Group Number**	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI 103 = Centralized VM (V1.5 Added)	0	22-04

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

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Program 25 : VRS/DISA Setup

25-05 : VRS/DISA Error Message Assignment

Level:
IN

Program

25

Description

Use **Program 25-05 : VRS/DISA Error Message Assignment** to assign the VRS message number to be used as the Automated Attendant error message. For each VRS/DISA trunk that the VRS answers, enter the VRS message (1 ~ 100) the outside caller hears if they dial incorrectly. If you enter 0 (i.e., no error message), the call reroutes according to Programs 25-03 and 25-04.

For each trunk, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**VRS Message Number**	0 ~ 100 (0 = No setting)	0

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-06 : VRS/DISA One-Digit Code Attendant Setup

Level:
IN

Program

25

Description

Use **Program 25-06 : VRS/DISA One-Digit Code Attendant Setup** to set up single digit dialing through the VRS. This gives VRS callers single key access to extensions, the company operator, Department Calling Groups and Voice Mail. For each VRS message set to answer outside calls (refer to Programs 25-04 and 25-05), you specify:

- The digit the VRS caller dials (0 ~ 9, ∗, #). Keep in mind that if you assign destinations to digits, outside callers cannot dial system extensions.
- The destination reached (Maximum eight digits) when the caller dials the specified digit.

The destination can be an extension, a Department Calling pilot number or the Voice Mail master number. A one-digit code can be assigned for each Automated Attendant message.

Example:

Message Number = 01, Destination = 2, Next Message Number = 0, Dial = 399

In this example, when 2 is dialed by an outside caller, the system transfers the call to 399. This means that extension 200~299 cannot receive calls from VRS/DISA users during/after VRS Message 01.

Input Data

Attendant Message Number	01 ~ 100

Received Dial	1 ~ 9, 0, ∗, #

Item No.	Item	Input Data	Description	Default
01	**Next Attendant Message Number**	0 ~ 100 (0 = No setting) 101 = Voice Mail answers 104 = Refer to 25-04 : VRS/DISA Transfer Ring Group With No Answer/ Busy on page 2-282 105 = Dial the other extension 106 =record VRS	Defines the next attendant message number or destination number for each 1-digit access code in Automated Attendant service	0
02	**Destination Number**	**Up to eight digits** 🖊 *Must be a valid extension number that is programmed in command 11-02 or 11-04.*		No Setting

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Conditions

• Outside caller may not be able to dial individual extensions or lines if the same first digit is defined here.

Feature Cross Reference

• Direct Inward System Access (DISA)
• Voice Response System (VRS)

Program

25

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Program 25 : VRS/DISA Setup

25-07 : System Timers for VRS/DISA

Level:
IN

Program

25

Description

Use **Program 25-07 : System Timers for VRS/DISA** to set the value for the system timers which affect DID and DISA. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**VRS/DISA Dial Tone Time**	0 ~ 64800 seconds	After answering a DISA trunk, the system waits this time for the caller to dial the first digit of the DISA password. If the caller fails to dial during this time, the system drops the call.	10 seconds	25-04
02	**VRS/DISA No Answer Time**	0 ~ 64800 seconds	A VRS/DISA caller can ring an extension for this time before the system sets the call as a Ring No Answer. After this time expires, the call follows the programmed Ring No Answer routing (set in Programs 25-03 and 25-04).	0 second	25-04 20-31-17
03	**Disconnect after VRS/DISA re-transfer to IRG**	0 ~ 64800 seconds	From DISA trunk, when the call may go to Incoming Ring Group of Programs 25-03 and 25-04. This setting determines how long the call is ringing in the IRG.	60 seconds	20-31-18
04	**Calling Time to Automatic Answering Telephone Set**	0 ~ 64800 seconds	Set the answering waiting time of the automatic answering extension when an incoming DID trunk call is received.	10 seconds	
05	**Duration Time for Guidance Message by Automatic Answering Telephone Set**	0 ~ 64800 seconds	Set the announcement time of the automatic answering extension after which an incoming DID trunk caller is disconnected.	10 seconds	
07	**Long Conversation Warning Tone Time**	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can talk before the Long Conversation tone is heard.	3600 seconds	14-01-25 20-28-01 20-28-02 20-28-03 20-31-19
08	**Long Conversation Disconnect Time**	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation call after the Long Conversation tone is heard.	10 seconds	14-01-25 20-28-01 20-28-02 20-28-03

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Item No.	Item	Input Data	Description	Default	Related Program
09	**DISA Internal Paging Time**	0 ~ 64800 seconds	This is the maximum length of an Internal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-21
10	**DISA External Paging Time**	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-22
11	**VRS/DISA Answer Delay Time**	0 ~ 64800 seconds	Sets up the time the system waits after receiving an incoming VRS/DISA call before the system automatically answers the call.	0 second	
13	**VRS/DISA Busy Tone Interval**	0 ~ 64800 seconds	If a DISA caller dials a busy extension (and Program 25-04 = 0), the system plays busy tone for this time before disconnecting.	5 seconds	
14	**Delayed VRS Answer Time**	0 ~ 64800 seconds	Assign the delay time from switching from a normal incoming status to DID mode. If this time is set to 0, the call switches to DID mode immediately.	10 seconds	

Program

25

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-08 : DISA User ID Setup

Level:
SA

Program

25

Description

Use **Program 25-08 : DISA User ID Setup** to set the 6-digit DISA password for each user. There are 15 users each with one 6-digit password.

Input Data

DISA User Number	01 ~ 15

Item No.	Item	Input Data	Default
01	**Password**	Dial (Fixed - six digits) 0 ~ 9, *, #	No Setting

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-09 : Class of Service for DISA Users

Level:
IN

Program

25

Description

Use **Program 25-09 : Class of Service for DISA Users** to set the DISA Class of Service for each user. When a DISA caller enters a password (defined in Program 25-08), the system identifies the user and associates the appropriate DISA Class of Service with the call. Assign the DISA Class of Service options in Program 20-14. When programming DISA Class of Service, make one entry for each Night Service mode.

Input Data

DISA User Number	1 ~ 15

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Function Class**	1 ~ 15	1

Conditions

• DISA Class of Service cannot be 0.
• Program 20-06 cannot be used to assign Class of Service to DISA trunks.

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-10 : Trunk Group Routing for DISA

Level:
IN

Program

25

Description

Use **Program 25-10 : Trunk Group Routing for DISA** to assign the Trunk Group route chosen when a user places a DISA call to the system and dials 9. Set Trunk Group Routing in Program 14-06. Enable or disable the DISA caller ability to dial 9 in Program 20-14-02. Assign a route to each DISA Class of Service (1 ~ 15). The system assigns a DISA Class of Service to a call based on the password the DISA caller dials.

✎ *When programming, make a separate entry for each Night Service Mode.*

Input Data

DISA User Number	1 ~ 15

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Route Table Number**	0 ~ 25 (0 = No setting)	1

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-11 : DISA Toll Restriction Class

Level:
IN

Description

For systems that use Toll Restriction, use **Program 25-11 : DISA Toll Restriction Class** to assign a Toll Restriction Class (1-15) to each DISA user (1~15). The system uses the Toll Restriction Class you enter in Programs 21-05 and 21-06. The Toll Restriction Class assigned to a DISA call is based on the DISA Class of Service and user, which is determined by the password the caller dials.

🖉 *When programming, make a separate entry for each Night Service mode.*

Input Data

DISA User Number	1 ~ 15

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Toll Restriction Class**	1 ~ 15	2

Conditions

• Program 21-05 cannot be used to assign Toll Restriction to DISA trunks.

Feature Cross Reference

• Direct Inward System Access (DISA)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-12 : Alternate Trunk Group Routing for DISA

Level:
IN

Program

25

Description

Use **Program 25-12 : Alternate Trunk Group Routing for DISA** to define the trunk route selected when a DISA caller dials the Alternate Trunk Access Code. The route selected is based on the DISA caller Class of Service, which in turn is determined by the password the caller dials. When programming, make a separate entry for each Night Service Mode.

🖉 *Use Program 11-09-02 to set the Alternate Trunk Access Code. Use Program 14-06 to set trunk routes.*

Input Data

DISA User Number	1 ~ 15

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Route Table Number**	0 ~ 25 (0 = No setting)	1

Conditions

• You cannot use Program 21-15 to assign alternate trunk routing to DISA trunks.

Feature Cross Reference

• Direct Inward System Access (DISA)
• Trunk Group Routing

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-13 : System Option for DISA

Level:
IN

Description

Use **Program 25-13 : System Option for DISA** to enter the password DISA callers must dial before the system allows them to record, listen to and or erase the VRS messages. This program also is used to define additional DISA call options.

Input Data

Item No.	Item	Input Data	Description	Default
01	**VRS Message Access Password**	1 ~ 9, 0, *, # (Fixed six digits)	Enter the password DISA callers must dial before the system allows them to record, listen to and/or erase the VRS messages.	No Setting

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)
• Voice Response System (VRS)

Program 25 : VRS/DISA Setup

25-15 : DISA Transfer Target Setup

Level:
IN

Program

25

Description

Use **Program 25-15 : DISA Transfer Target Setup** to assign a Speed Dial number when a dial tone times-out, or when the wrong number is received and the target extension does not answer or is busy.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**DISA Transfer Target Area At Wrong Dial**	Speed Dial bin number 0 ~ 999	999	25-03-01
02	**DISA Transfer Target Area At No Answer or Busy**	Speed Dial bin number 0 ~ 999	999	25-04-01

Conditions

• Related to Programs 25-03-01 25-04-01.

Feature Cross Reference

• Direct Inward System Access (DISA)
• Voice Response System (VRS)

DFW Phone 972-992-4600

Program 25 : VRS/DISA Setup

25-16 : DUD/DISA Single Digit Timer

Program

25

Level:
IN

(This Program is available for V2.0 or higher)

Description

Use **Program 25-16 : DUD/DISA Single Digit Timer** to define DUD/DISA talkie base setup.

Input Data

Item No.	Item	Input Data	Default
01	**DUD/DISA Single Digit Timer**	0 ~ 68400	0

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)
• Voice Response System (VRS)

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Program 26 : ARS Service

26-01 : Automatic Route Selection (ARS/F-Route) Service

Level:
IN

Program

26

Description

Use **Program 26-01 : Automatic Route Selection Service (ARS/F-Route)** to define the system options for Automatic Route Selection (ARS/F-Route).

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**ARS Service**	0 = Disable (Off) 1 = Enable (On)	Enable or disable ARS.	0	26-02 26-03 26-04
02	**Network Outgoing Inter-Digit ARS Time**	0 ~ 64800 seconds	With Networking, this time replaces 20-03-04 when determining if all network protocol digits have been received. If ARS is enabled at Site B, this time can be programmed for 5 (500 ms) at Site A. If ARS is disabled and Site B is using F-Route for outbound dialing, this time should be programmed for 30 (three seconds) at Site A.	30 seconds	20-03-04
03	**ARS Misdialed Number Handling**	0 = Route to Trunk Group 1 1 = Play Warning Tone to Dialer	If a user dials a number not programmed in ARS, this option determines if the system should route over Trunk Group 1 or play error tone.	0	21-02
06	**Class of Service Match Access**	0 = Disable (Off) 1 = Enable (On)		0	26-02
07	**F-Route Access COS Reference**	0 = F-Route 1 = ARS		0	26-02 44-05

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

DFW Phone 972-992-4600

Program 26 : ARS Service

26-02 : Dial Analysis Table for ARS

Level:
IN

Description

Use **Program 26-02 : Dial Analysis Table for ARS** to set pre-transaction tables for selecting
Automatic Route Selection (ARS/F-Route).
- Service Type 1 (Route to Trunk Group Number) - The number routes to a trunk group.
- Service Type 2 (F-Route Selected) - The number is controlled by the F-Route table.

Input Data

Dial Analysis Table Number	1 ~ 400

Item No.	Item	Input Data	Default	Related Program
01	**Dial**	Dial Digits (maximum 16 digits) 0 ~ 9, ∗, #, or for wild character (Press line key 1)	No Setting	
02	**ARS Service Type**	0 = No Service (None) 1 = Route to Trunk Group 2 = Select F-Route Access	0	
03	**Additional Data/Service Number**	If Service Type 1 (in 26-02) : Select Trunk Group Number 0 ~ 25 (Trunk Group Number 0 = No Route) 101 ~ 104 (Networking ID) (V1.5 Added) If Service Type 2 (in 26-02) : F-Route Time Schedule Not Used = 0 ~ 100 (F-Route Table Number). Refer to Program 44-05 : ARS/F-Route Table on page 2-381. F-Route Time Schedule Used = 0 ~ 100 (F-Route Selection Number). Refer to Program 44-04 : ARS/F-Route Selection for Time Schedule on page 2-380.	0	44-04 44-05
04	**ARS Class of Service**	0 ~ 16	0	
05	**Dial Treatment for ARS**	0 ~ 15	0	
07	**Network Specified Parameter Table**	0 ~ 16	0	26-12

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

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Program 26 : ARS Service

26-03 : ARS Dial Treatments

Level:
IN

Program

26

Description

Use **Program 26-03 : ARS Dial Treatments** to assign the 15 Dial Treatments for automatic ARS dialing translation. Assign Dial Treatments to Service Numbers (Trunk Groups) in Program 26-02. The ARS Dial Treatment options are:

• **An** - For Alternate Carrier Access (n = 1 ~ 4). The numeric digit instructs the system to insert a Transit Network Selection information element in the SETUP message and also identifies which code in Program 26-11 will be included in the information element. This function is valid only for outbound calls by ISDN trunks.

• **DNN** - Outdial the NN number of digits or execute the code that follows. For example, D041234 outdials 1234. Valid entries are 0 ~ 9, #, ∗, Wnn (wait nn seconds) and P (pause). Each digits code counts as a digit. So, for example, if a P was added for a pause, the entry would look like : **D05P1234.**

• **Wnn** - Wait nn seconds.

• **P** - Pause in analog trunk.

• **R** - Redial the initially dialed number, including any modifications.

• **E** - End of Dial Treatment. All Dial Treatments must end with the E code.

• **X** - When ARS is enabled, X must be entered in the Dial Treatment for the system to output the extension number of the call originator to the black box for the E911 feature.

Input Data

Dial Treatment Table Number	1 ~ 15

Item No.	Item	Input Data	Default
01	**Treatment Code**	Maximum 36 characters	No Setting

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

DFW Phone 972-992-4600

Program 26 : ARS Service

26-04 : ARS Class of Service

Level:
IN

Program

26

Description

Use **Program 26-04 : ARS Class of Service** to set the ARS Class of Service for an extension. Automatic Route Selection (ARS/F-Route) uses ARS Class of Service when determining how to route extension calls.

Input Data

Extension Number	Up to eight digits

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Class**	0 ~ 16	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

DFW Phone 972-992-4600

Program 26 : ARS Service

26-11 : Transit Network ID Table

Level:
IN

Program

26

Description

Use **Program 26-11 : Transit Network ID Table** to define Transit Network ID for Alternate carrier access, which is referred from Program 26-03.

Input Data

Transit Network ID Table	1 ~ 4

Item No.	Item	Input Data	Default
01	**Transit Network ID (Carrier ID)**	0000 ~ 9999 (Fixed four digits or No setting)	Table No. 1 ~ 4 = No Setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 26 : ARS Service

26-12 : Network Specific Parameter Table for ARS

Level:
IN

Program

26

Description

Use **Program 26-12 : Network Specific Parameter Table for ARS** to define the Network Specific Parameter Table.

Input Data

Network Specific Parameter Table	1 ~ 16

Item No.	Item	Input Data	Description	Default
01	**Called Party Number - Type of Number Selection**	0 = System Default 1 = Unknown 2 = International No. 3 = National No. 4 = Network Specific No. 5 = Subscriber No. 6 = Abbreviated No.	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0
02	**Called Party number - Numbering Plan Identification Selection**	0 = System Default 1 = Unknown 2 = ISDN Plan 3 = Data Plan 4 = Telex Plan 5 = National Standard Plan 6 = Private Plan	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 30 : DSS/DLS Console Setup

30-01 : DSS Console Operating Mode

Level:
IN

Program

30

Description

Use **Program 30-01 : DSS Console Operating Mode** to set the mode of the system DSS Consoles. The entry for this option applies to all the system DSS Consoles. The available options are:

• Regular (Business) Mode (0)
• Hotel Mode (1)

Input Data

DSS Console Number	01 ~ 12

Item No.	Item	Input Data	Default
01	**DSS Operation Mode**	0 = Business Mode 1 = Hotel Mode	0

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS) Console
• Hotel/Motel

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Program 30 : DSS/DLS Console Setup

30-02 : DSS Console Extension Assignment

Level:
IN

Program

30

Description

Use **Program 30-02 : DSS Console Extension Assignment** to identify which extensions have DSS Consoles connected.

- Up to 12 different extensions with DSS Consoles can be set up. A single extension can have up to four 60-button DSS Consoles (12 is the maximum allowed per system).

When programming, each extension/DSS Console(s) combination is called a Console Number. There are 12 Console Numbers (01 ~ 12). Console Numbers can be assigned to extensions. When entering data, the assignment for Console Number 1 is normally made first.

Input Data

60-button DSS Console Number	01 ~ 12

Item No.	Item	Input Data	Description	Default
01	**Extension Number**	**Up to eight digits**	The extension number for the multiline terminal connected with the DSS console.	No Setting

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console

DFW Phone 972-992-4600

Program 30 : DSS/DLS Console Setup

30-03 : DSS Console Key Assignment

Level:
SA

Program

30

Description

Use **Program 30-03 : DSS Console Key Assignment** to customize the key assignments for 60-button DSS Consoles. A DSS Console key can have any function with up to eight digits (e.g., extension number or Service Code).

To prevent lamp problems when reassigning DSS Console keys, clearing an extension programmed key before reassigning it is recommended [Enter key to be cleared + 00 or ∗00 (If using WebPro or PC Programming, delete the key assignments and upload the change to the system before proceeding.)] Without clearing an extension key first, the DSS Console may not show the correct lamp display, although the DSS function works correctly.

If you are programming the system from the extension to which the DSS Console is connected, either by phone or using the WebPro or PC Program, you may need to unplug the DSS and plug it back in to reset the console lamping.

Input Data

Index 1

DSS Console Number	01 ~ 12

Index 2

Item No.	Key Number	Function Number	Additional Data
01	001 ~ 114	0 ~ 99, #0 ~ #99 (General Functional Level) ∗00 ~ ∗99 (Appearance Functional Level)	Refer to Table 2-7 Function Number List on page 2-304.

Table 2-7 Function Number List

[1] General functional level (00 ~ 99, #00 ~ #99)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension Number or any Numbers (up to 36 digits)	**On (Red) :** DSS Ext. Busy **Off :** DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME **Fast Blink (Red) :** DND Intercom, DND All, CFW Imm	
02	Microphone Key (ON/OFF)		**On (Red) :** Mic On **Off :** Mic Off	
03	DND Key		**On (Red) :** DND Setup	
04	BGM (ON/OFF)		**On (Red) :** Active	
05	Headset		**On (Red) :** Headset Operation	
06	Transfer Key		None	

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Function Number	Function	Additional Data	LED Indication	Note
07	Conference Key		**On (Red) :** Conference Operation	
08	Incoming Call ID List		**Fast Blink (Red) :** Existing New CID **On (Red) :** Existing Checked CID **Off :** No CID	
09	Day/Night Mode Switch	Mode Number (1 ~ 8)	**On :** While each mode	
10	Call Forward - Immediate		**On (Red) :** Setup	
11	Call Forward - Busy		**On (Red) :** Setup	
12	Call Forward - No Answer		**On (Red) :** Setup	
13	Call Forward - Busy/No Answer		**On (Red) :** Setup	
14	Call Forward - Both Ring		**On (Red) :** Setup	
15	Follow Me		**Fast Blink (Red) :** Setup **Slow Blink (Red) :** To be setup	
18	Text Message Setup	Message Numbers (01 ~ 20)	**On (Red) :** Setup	
19	External Group Paging	External Paging Number (1 ~ 6)	**On (Red) :** Active	
20	External All Call Paging		**On (Red) :** Active	
21	Internal Group Paging	Internal Paging Number (01 ~ 32)	**On (Red) :** Active	
22	Internal All Call Paging		None	
23	Meet-Me Answer to Internal Paging		None	
24	Call Pickup		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (1 ~ 32)	None	
27	Speed Dial - System/Private	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
28	Speed Dial - Group	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
29	Repeat Redial		**On (Red) :** Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet-me Conference		None	
33	Override (Off-Hook Signaling)		None	
34	Barge-In		None	
35	Camp On		**On (Red) :** Active	
36	Department Step Call		None	
37	DND/FWD Override Call		None	
38	Message Waiting		None	
39	Room Monitoring		**Slow Blink (Red) :** Monitoring **Fast Blink (Red) :** To be monitored	

Program

30

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Program

30

Function Number	Function	Additional Data	LED Indication	Note
41	Secretary Buzzer	Extension Number (8 digits)	**On (Red) :** Calling party **Fast Blink :** Called party	
42	Boss - Secretary Call Pickup	Extension Number (8 digits)	**On (Red) :** Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		**On (Red) :** Withdrawing	
49	Call Redirect	Extension Number or Voice Mail Number (8 digits)	None	
50	Account Code		None	
52	Automatic Answer with Delay Message Setup	Incoming Group Number (01 ~ 25)	**On (Red) :** Setup	
53	Automatic Answer with Delay Message Starting		**On (Red) :** Delay Message Answering	
54	External Call Forward by Door Box Setup		**On (Red) :** Setup	
55	Extension Name Edit		None	
56	General Purpose LED Operation	001 ~ 100 :	(Red) On ⬌ Off	
57	General Purpose LED Indication	001 ~ 100 :	(Red) On ⬌ Off	
58	Department Incoming Call - Immediate	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
59	Department Incoming Call - Delay	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
60	Department Incoming Call - DND	Extension Group Number (01 ~ 32)	**Slow Blink (Red) :** Set **Off :** Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		**On (Red) :** Mode enabled	
66	CTI		**On (Red) :** CTI active	
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad Retrieve Key			
75	Keypad Conference Key			
76	Application Key		None	
77	Voice Mail (In-Skin)	Extension Number or Pilot Number (8 digits)	**Fast Blink (Red) :** Existing new message	
78	Conversation Recording (In0skin VM)	0 = Conversation recording 1 = Delete, Re-recording 2 = Delete	**Fast Blink (Red) :** Recording	
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number (8 digits)	**On (Red) :** Setup - All calls **Fast Blink (Red) :** Setup - No answer calls **(125msec on/125msec off/125msec on/ 625msec off) (Red) :** Setup - busy calls **Slow Blink (Red) :** Setup – busy/noans calls	

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Function Number	Function	Additional Data	LED Indication	Note
80	Tandem Ringing Set Up Key	0 = Cancel 1 = Set Extension Number to Tandem Ring (8 digits)	**On (Red) :** Master Side **Slow Blink (Red) :** Slave Side	
81	Automatic Transfer to Transfer Key	Trunk Line Number 001 ~ 084	**Off :** Cancel **Slow Blink (Red) :** Set	
83	Conversation Recording Function	0 = Pause 1 = Re-record 2 = Address 3 = Erase 4 = Urgent Page		
84	Line Drop (send long flash)			
86	Private Call Refuse	None	**Off :** Cancel **Slow Blink (Red) :** Set	
87	Caller ID Refuse	None	**Off :** Cancel **Slow Blink (Red) :** Set	
88	Dial-In Mode Switching	Program 22-17, Table No. 1 ~ 500	**Off :** pattern 1, pattern 5 ~ 8 **On (Red) :** pattern 2 **Slow Blink (Red) :** pattern 3	
91	Live Monitoring Key		**Slow Blink (Red) :** Set	
92	Wake Up Call Indication	None	**Set :** On **No Set :** Off **No answer :** Blink(On (125ms)/Off (125ms)	
93	Room Status Indication	None	**ON :** Checked In and Clean **OFF :** Checked Out (clean and available) **SLOW blink :** Maid Required [On (500ms)/Off (500ms)] **MEDIUM blink :** Maid in Room [On (250ms)/Off (250ms)] **FAST blink :** Inspect Room [On (125ms)/Off (125ms)]	
94	Call Attendant		**Fast Blink (Red) :** Setup - No answer calls **(125msec:on** → **125msec:off** → **125msec:on** → **625msec:off) (Red) :** Setup - Busy calls **On (Red) :** Setup - Busy/No answer calls	
95	Page Switching	None	**Red On :** Page 1 **Slow Blink (Red)** Page 2	
97	Door Box Access Key	Doorphone No. (1 ~ 6)	**On (Red) :** Door Box Busy **Off :** Door Box Idle **Fast Blink (Red) :** Door Box Incoming	
98	Message Waiting Indication Key	None	**ON :** New Message **OFF :** No Message	
99	Alternate Answer Key	None		

Program

30

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Table 2-8 Function Number List

[2] Appearance Function Level (∗00 - ∗99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication
∗01	Trunk Key	Trunk Line Number 001 ~ 084	**Fast Blink (Red) :** Incoming **On (Red) :** Speaking **Slow Blink (Red) :** Holding/ Transferring/Recall
∗04	Park Key	Park Number (01 ~ 64)	**Slow Blink (Red) :** Holding/ Recall
∗07	Station Park Hold		None

Program

30

Default

• The DSS keys 001 ~ 060 of all DSS consoles = DSS/One-Touch key 101 ~ 160.
• The DSS keys 061 ~ 114 of all DSS consoles = No Setting.

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS) Console

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Program 30 : DSS/DLS Console Setup

30-04 : DSS Console Alternate Answer

Program

30

Description

Use **Program 30-04 : DSS Console Alternate Answer** to assign the alternate DSS console station in case off-duty mode is set (by pressing the **ALT** key on the DSS console).

Input Data

Index 1

DSS Console Number	01 ~ 12

Index 2

Item No.	Item	Input Data	Default
01	**DSS Console Alternate Answer**	Alternate DSS No. 01 ~ 12 (0 = No setting)	0 = No Setting

Conditions

• Related extension is assigned in Program 30-02. Alternate answer key (ALT key) is assigned at Program 30-03.

Feature Cross Reference

None

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Program 30 : DSS/DLS Console Setup

30-05 : DSS Console Lamp Table

Level:
IN

Program

30

Description

Use **Program 30-05 : DSS Console Lamp Table** to define the LED patterns for functions on the DSS consoles.

Input Data

Item No.	Item	Input Data	Default
01	**Idle Extension**	0 ~ 7 (Lamp Pattern Data)	0
02	**Busy Extension**	0 ~ 7 (Lamp Pattern Data)	7
03	**DND Extension**	0 ~ 7 (Lamp Pattern Data)	3
04	**ACD Agent Busy** (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	7
05	**Out of Schedule (ACD DSS)** (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	0
06	**ACD Agent log Out (ACD DSS)** (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	5
07	**ACD Agent Log In (ACD DSS)** (V1.5 Added)	1 ~ 7 (Lamp Pattern Data)	4
09	**Hotel Status Code 1 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	7
10	**Hotel Status Code 2 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	1
11	**Hotel Status Code 3 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	2
12	**Hotel Status Code 4 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	3
13	**Hotel Status Code 5 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	5
14	**Hotel Status Code 6 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	3
15	**Hotel Status Code 7 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	6
16	**Hotel Status Code 8 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	4
17	**Hotel Status Code 9 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	3
18	**Hotel Status Code 0 (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	0
19	**Hotel Status Code ∗ (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	4
20	**Hotel Status Code # (Hotel DSS)**	0 ~ 7 (Lamp Pattern Data)	5
21	**VM Message Indication**	0 ~ 7 (Lamp Pattern Data)	3

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LED Pattern 0:[OFF]

On

Off

LED Pattern 1:[FL: On(500ms)/Off(500ms)]

On

Off

LED Pattern 2:[WK: On(250ms)/Off(250ms)]

On

Off

LED Pattern 3:[RW: On(125ms)/Off(125ms)]

On

Off

LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]

On

Off

LED Pattern 5:[IL On(875ms)/Off(125ms)]

On

Off

LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]

On

Off

LED Pattern 7:[ON]

On

Off

Program

30
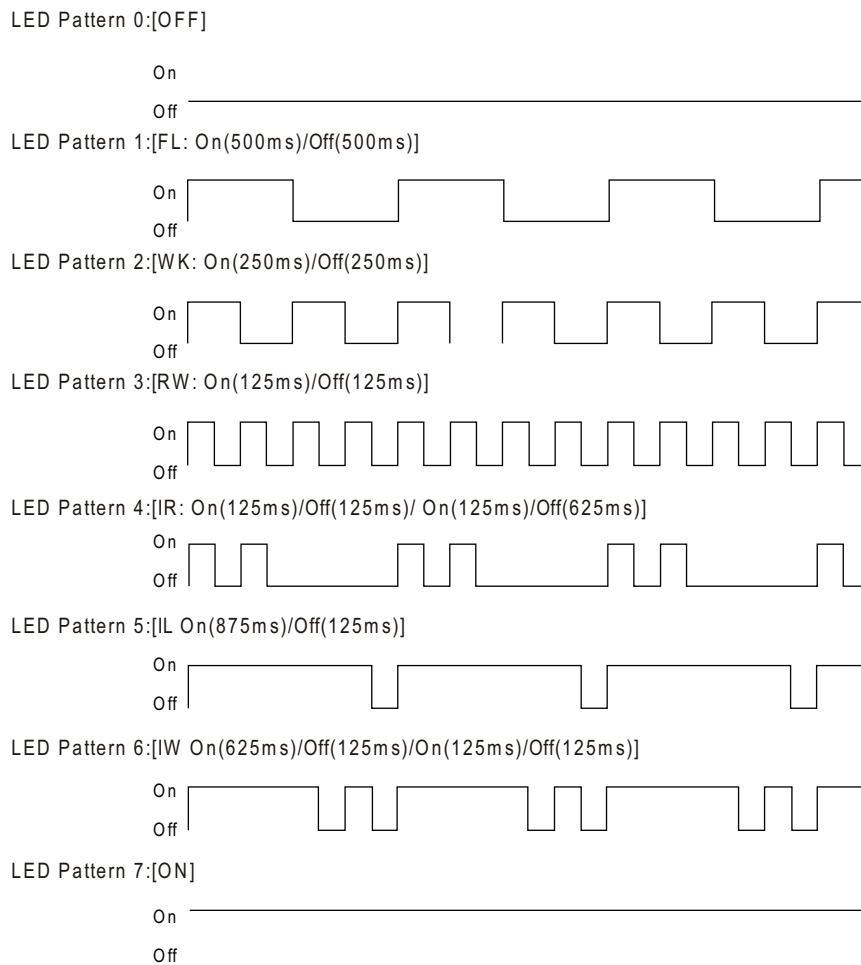
LED Patterns for DSS Console

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS) Console

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Program 31 : Paging Setup

31-01 : System Options for Internal/External Paging

Level:
IN

Description

Program

31

Use **Program 31-01 : System Options for Internal/External Paging** to define the system options for Internal/External Paging.

The system shows the name you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	**When you want to ...**
1	Enter characters : **1 @ [¥] ^ _ ` {	} → ← Á À Â Ã Å Æ Ç É Ê ì ó 0**
2	Enter characters : **A-C, a-c, 2.**
3	Enter characters : **D-F, d-f, 3.**
4	Enter characters : **G-I, g-i, 4.**
5	Enter characters : **J-L, j-l, 5.**
6	Enter characters : **M-O, m-o, 6.**
7	Enter characters : **P-S, p-s, 7.**
8	Enter characters : **T-V, t-v, 8.**
9	Enter characters : **W-Z, w-z, 9.**
0	Enter characters : **0 ! " # $ % & ' ( ) ô õ ú å ä æ ö ü α ε θ B**
∗	Enter characters : **∗ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £**
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**All Call Paging Zone Name**	Up to 12 Characters	Assign a name to each All Call Internal Paging zone. The name shows on the display of the telephone making the announcement.	Group all	11-12-19 31-02-02
02	**Page Announcement Duration**	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200 seconds	

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Item No.	Item	Input Data	Description	Default	Related Program
04	**Privacy Release Time**	0 ~ 64800 seconds	Once the user initiates a Meet-Me Conference or Voice Call Conference, the system waits this time for the Paged party to join the call.	90 seconds	

Conditions

None

Feature Cross Reference

- Paging, External
- Paging, Internal

Program

31

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Program 31 : Paging Setup

31-02 : Internal Paging Group Assignment

Level:
IN

Program

31

Description

Use **Program 31-02 : Internal Paging Group Assignment** to assign extensions to Internal Paging Groups (i.e., Page Zones). The setting in this program also determines if the Internal Page Group can receive Internal All Call Paging. The system can have up to 32 paging groups. An extension can be in only one Internal Paging Group.

Input Data

Extension Number	Maximum eight digits

Item No.	Item	Input Data	Description	Default
01	**Internal Paging Group Number**	0 ~ 32 (0 = No setting)	Assign extensions to Internal Paging Groups (i.e., Page Zones). The system allows up to 32 Internal Paging Groups. An extension can be in only one Internal Paging Group.	Port 1 ~ 16 = 1 (Group 1), Port 17 ~ = 0
02	**Internal All Call Paging Receiving**	0 = Off 1 = On	Allow or prevent All Call Internal Paging for each extension. If allowed, extension can place and receive All Call Internal Paging announcements. If prevented, extensions can only make (not receive) All Call Internal Paging announcements. If combined, Paging zones should be restricted as well, change the internal page zone group in Program 31-07-01 to 0.	0

Conditions

None

Feature Cross Reference

• Paging, Internal

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Program 31 : Paging Setup

31-03 : Internal Paging Group Settings

Level:
IN

Description

Use **Program 31-03 : Internal Paging Group Settings** to assign names to Internal Paging Groups (i.e., Page Zones) and to define the splash tone for Internal Paging.

The system shows the names you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	**When you want to ...**
1	Enter characters : **1 @ [¥] ^ _ ` {	} → ← Á À Â Ã Å Æ Ç É Ê ì ó 0**
2	Enter characters : **A-C, a-c, 2.**
3	Enter characters : **D-F, d-f, 3.**
4	Enter characters : **G-I, g-i, 4.**
5	Enter characters : **J-L, j-l, 5.**
6	Enter characters : **M-O, m-o, 6.**
7	Enter characters : **P-S, p-s, 7.**
8	Enter characters : **T-V, t-v, 8.**
9	Enter characters : **W-Z, w-z, 9.**
0	Enter characters : **0 ! " # $ % & ' ( ) ô õ ú å ä æ ö ü α ε θ B**
∗	Enter characters : **∗ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £**
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Internal Paging Group Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**Internal Paging Group Name**	Up to 12 Characters	Assign name to Internal Paging Groups (i.e., Page Zones). The system shows the name you program on the telephone display.	Refer below

Default

Item 01 : Internal Paging Group Name

Extension Paging Group	Name
01	Group 1
02	Group 2
:	:
32	Group 32

Program

31

Conditions

None

Feature Cross Reference

• Paging, Internal

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Program 31 : Paging Setup

31-04 : External Paging Zone Group

Program

31

Level:
IN

Description

Use **Program 31-04 : External Paging Zone Group** to assign each External Paging zone to an External Paging group. Users call the External Paging group when broadcasting announcements to the external zone.

To simplify programming and troubleshooting, always make the External Paging Zone Group the same number as the External Paging zone (i.e., 1 = 1, 2 = 2, etc.).

Input Data

External Speaker Number	1 ~ 3

Item No.	Item	Input Data	Default
01	**Paging Group Number**	0 ~ 3 (0 = No setting)	Speaker 1 (Basic) = 1 (Group 1) Speaker 2 (Expansion1) = 2 (Group 2) Speaker 3 (Expansion2) = 3 (Group 3)

Conditions

None

Feature Cross Reference

• Paging, External

DFW Phone 972-992-4600

Program 31 : Paging Setup

31-05 : Universal Night Answer/Ring Over Page

Level:
IN

Program

31

Description

Use **Program 31-05 : Universal Night Answer/Ring Over Page** to assign Universal Night Answer ringing to each External Paging zone. For each trunk port, make a separate entry for each External Paging zone. For UNA ringing, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

External Speaker Number	1 ~ 3

Item No.	Item	Input Data	Default
01	**Universal Night Answer/Ring**	0 = No Ringing (No) 1 = Ringing (Yes)	0

Conditions

None

Feature Cross Reference

- Night Service
- Paging, External

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Program 31 : Paging Setup

31-06 : External Speaker Control

Level:
IN

Program

31

Description

Use **Program 31-06 : External Speaker Control** to define the settings for the external speaker using an amplifier.

Input Data

External Speaker Number	1 ~ 3

Item No.	Item	Input Data	Description	Default
01	**Broadcast Splash Tone Before Paging (Paging Start Tone)**	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone before Paging over an external zone. If enabled, the system broadcasts a splash tone before the External Paging announcement.	2
02	**Broadcast Splash Tone After Paging (Paging End Time)**	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone after Paging over an external zone. If enabled, the system broadcasts a splash tone at the end of an External Paging announcement.	2
03	**Speech Path**	0 = Both Way (Duplex) 1 = One Way (Simplex)	Determine if the external speaker will be used for talkback (As this option is not available with the CPU external page zone, speaker 9 should be left at 1).	1
04	**CODEC Transmit Gain Setup**	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)
05	**CODEC Receive Gain Setup**	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

• Paging, External

DFW Phone 972-992-4600

Program 31 : Paging Setup

31-07 : Combined Paging Assignments

Level:
IN

Program

31

Description

Use **Program 31-07 : Combined Paging Assignments** to assign an External Paging Group (0 ~ 3) to an Internal Paging Zone (0 ~ 32) for Combined Paging. When an extension user makes a Combined Page, they simultaneously broadcast into both the External and Internal Zone.

Use Program 31-04-01 to assign an External Paging Zone (1 ~ 3) to an External Page Group (0 ~ 3).

Input Data

External Paging Group Number	0 ~ 3 (0 = All External Paging)

Item No.	Item	Input Data	Default
01	**Internal Paging Group Number**	0 ~ 32 (0 = All Internal Paging)	1

Conditions

None

Feature Cross Reference

• Paging, External
• Paging, Internal

DFW Phone 972-992-4600

Program 31 : Paging Setup

31-08 : BGM on External Paging

Level:
IN

Description

Use **Program 31-08 : BGM on External Paging** to set the Background Music option for each External Paging zone. If enabled, the system plays Background Music over the zone when it is idle.

Input Data

External Speaker Number	1 ~ 3

Item No.	Item	Input Data	Description	Default
01	**BGM**	0 = BGM Prevented (No) 1 = BGM allowed (Yes)	Use this option to allow or prevent the External Paging zone you select from broadcasting Background Music when it is idle.	0

Conditions

None

Feature Cross Reference

- Background Music
- Paging, External

DFW Phone 972-992-4600

Program 31 : Paging Setup

31-10 : External Paging Group Basic Setting

Level:
IN

Program

31

Description

Use **Program 31-10 : External Paging Group Basic Setting** assigns the name of external paging group and defines the splash tone for external paging.

Input Data

External Speaker Number	01 ~ 03

Item No.	Item	Input Data	Default
01	**External Speaker Name**	Up to 12 Characters	External Speaker Number 01 = Group 1 External Speaker Number 02 = Group 2 External Speaker Number 03 = Group 3

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 32 : Door Box and Sensor Setup

32-01 : Door Box Timers Setup

Level:
IN

Description

Use **Program 32-01 : Door Box Timers Setup** to assign the timers used for the Door Box.

✎ *The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.*

Input Data

Item No.	Item	Input Data	Description	Default
01	**Door Box Answer Time**	0 ~ 64800 seconds	A multiline terminal user must answer Door Box chimes during this time.	30 seconds
02	**Door Lock Cancel Time**	0 ~ 64800 seconds	When a single line telephone user hook flashes or a multiline user presses the Recall key while talking to a Door Box, the strike stays open for this time.	10 seconds
03	**Off-Premise Call Forward by Door Box Disconnect Timer**	0 ~ 64800 seconds	Define the conversation period for an Off-Premise Call Forward by Door Box call. When this timer expires, the caller hears busy tone for three seconds (fixed time), and the call is then disconnected.	60 seconds

Conditions

None

Feature Cross Reference

• Door Box

DFW Phone 972-992-4600

Program 32 : Door Box and Sensor Setup

32-02 : Door Box Ring Assignment

Level:
SA

Program

32

Description

Use **Program 32-02 : Door Box Ring Assignment** to assign the extension which rings when a caller presses the associated Door Box call button.

🖉 *The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.*

Input Data

Door Box Number	1 ~ 6

Day/Night Mode	1 ~ 8

Door Box Ring Group Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**Extension Number**	Maximum eight digits	Door Box Ringing Member 1 = 101 Other : No setting

Conditions

None

Feature Cross Reference

• Door Box

DFW Phone 972-992-4600

Program 32 : Door Box and Sensor Setup

32-03 : Door Box Basic Setup

Level:
IN

Description

Use **Program 32-03 : Door Box Basic Setup** to select the chime pattern and gain level for each Door Box. There are six distinctive chime patterns. The chime tones are defined in 80-01 : Service Tone Setup. on page 2-435

🖉 *The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.*

Input Data

Door Box Number	1 ~ 6

Item No.	Item	Input Data	Description	Default
01	**Chime Pattern**	0 = None 1 = Door Box Ring 1 2 = Door Box Ring 2 3 = Door Box Ring 3 4 = Door Box Ring 4 5 = Door Box Ring 5 6 = Door Box Ring 6		Door Box 1 = 1 Door Box 2 = 2 Door Box 3 = 3 Door Box 4 = 4 Door Box 5 = 5 Door Box 6 = 6
02	**CODEC Transmit Gain Setup**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	(System to Door Box)	32 (0 dB)
03	**CODEC Receive Gain Setup**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	(Door Box to System)	32 (0 dB)

Conditions

None

Feature Cross Reference

• Door Box

Program 32 : Door Box and Sensor Setup

32-04 : Door Box Name Setup

Level:
IN

Program

32

Description

Use **Program 32-04 : Door Box Name Setup** to define the name of each Door Box.

🖉 *The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.*

Input Data

Door Box Number	1 ~ 6

Item No.	Item	Input Data	Default
01	**Door Box Name**	Up to 12 characters	Door Box Name 1 = DOOR-1 Door Box Name 2 = DOOR-2 Door Box Name 3 = DOOR-3 Door Box Name 4 = DOOR-4 Door Box Name 5 = DOOR-5 Door Box Name 6 = DOOR-6

Conditions

None

Feature Cross Reference

• Door Box

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-01 : E&M Tie Line Basic Setup

Program

34

Description

Use **Program 34-01 : E&M Tie Line Basic Setup** to define the basic settings for each E&M Tie line.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default	Related Program
01	**DID/E&M Start Signaling**	0 = 2nd Dial Tone 1 = Wink 2 = Immediate 3 = Delay	Set the start signaling mode for DID and Tie trunks. DID and Tie trunks can use either immediate start or wink start signaling.	1	22-02
02	**Receive Dial Type for E&M Tie Line**	0 = DP 1 = DTMF 2 = MF		1	10-09
03	**E&M Dial-In Mode**	0 = Specify Extension Number (Intercom) 1 = Use Conversion Table (NTT)	Determine if the incoming Tie Line call should be directed as an intercom call or if it should follow the DID Translation Table in Program 22-11.	0	22-11
04	**E&M Line Dial Tone**	0 = Disable (No) 1 = Enable (Yes)	Enter 1 if the Tie Line should send dial tone to the calling system after the call is set up. Enter 0 if the Tie Line should not send dial tone.	1	
05	**System Toll Restriction**	0 = System 1 = Each Extension	Determine if an incoming Tie Line call should be subject to Toll Restriction. If it is set to 0 then it will use the Program 21-05-13, if it is set to 1 then it will used Programs 21-05-01 ~ 21-05-13.	0	21-05

Conditions

None

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-02 : E&M Tie Line Class of Service

Level:
IN

Program

34

Description

Use **Program 34-02 : E&M Tie Line Class of Service** to assign a Class of Service to a Tie line (there are 15 Tie line Classes of Service). The Class of Service options are defined in Program 20-14. For each Tie line, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Class**	1 ~ 15	1	20-14

Conditions

• Program 20-06 cannot be used to assign Class of Service to Tie lines.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-03 : Trunk Group Routing for E&M Tie Lines

Level:
IN

Program

34

Description

Use **Program 34-03 : Trunk Group Routing for E&M Tie Lines** to assign the trunk group route 01 ~ 25) chosen when a user seizes a Tie Line and dials 9. (Set Trunk Group Routing in Program 14-07.) If the system has Automatic Route Selection (ARS/F-Route), dialing 9 accesses ARS. Make a separate entry for each Tie Line - for each Night Service Mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**Route Table Number**	00 ~ 25 (0 = No setting)	1

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-04 : E&M Tie Line Toll Restriction Class

Level:
IN

Program

34

Description

Use **Program 34-04 : E&M Tie Line Toll Restriction Class** to enter a Toll Restriction Class for each Tie Line. There are 15 Toll Restriction Classes which are defined in Programs 21-05 and 21-06. For each Tie Line, you make a separate Toll Restriction Class entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default	Related Program
01	**Toll Restriction Class**	1 ~ 15	2	21-05 14-01-08

Conditions

• Program 20-06 cannot be used to assign Toll Restriction to Tie Lines.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-05 : Tie Line Outgoing Call Restriction

Level:
IN

Description

Use **Program 34-05 : Tie Line Outgoing Call Restriction** to build a restriction matrix for outgoing trunk calls placed from an inbound trunk (e.g., dialed from a Tie Line). For each inbound trunk group, enable or disable access to each CO trunk group.

Input Data

Incoming Trunk Group Number	01 ~ 25

Trunk Group Number	01～25

Item No.	Item	Input Data	Default
01	**Outgoing Trunk Group Number**	0 = Enable (Y-Tandem) 1 = Restricted (N-Tandem)	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-06 : Add/Delete Digit for E&M Tie Line

Level:
IN

Program

34

Description

Use **Program 34-06 : Add/Delete Digit for E&M Tie Line** to set digits that the system should add or delete for Tie Lines.

- **Delete Digit**
  Some Tie Line networks pass the location number and extension number to the remote side. This program allows the system to ignore such numbers for a call.
  If individual extension users do not want to receive an incoming call, they could delete all digits including the extension number.

- **Add Digit**
  If a Tie Line network requires additional digits to reroute the call to a location, the digits for the location can be added to the received digits.

Input Data

Incoming Trunk Group Number	01 ~ 25

Item No.	Item	Input Data	Default
01	**Delete Digit**	0 ~ 255 (255 = delete all digits)	0
02	**Additional Dial Digits**	Up to four digits (0 ~ 9, ∗, #)	No Setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-07 : E&M Tie Line Timer

Level:
IN

Description

Use **Program 34-07 : E&M Tie Line Timer** to define the system service tone timers.

Input Data

Item No.	Item	Input Data	Default
01	**First Digit Pause (E&M Immediate Start)**	0 ~ 64800 seconds	3 seconds
02	**First Digit Pause (E&M Wink Start)**	0 ~ 64800 seconds	0
03	**First Digit Pause (LD Trunk)**	0 ~ 64800 seconds	3 seconds
04	**LD Trunk Guard Time**	0 ~ 64800 seconds	0
05	**Trunk Answer Detect Timer for E&M**	0 ~ 64800 seconds	30 seconds

Conditions

• If Program 34-07-05 is left at default (30) the transferred call recalls to the station that performed the transfer when not answered.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-08 : Toll Restriction Data for E&M Tie Lines

Level:
IN

Program

34

Description

Use **Program 34-08 : Toll Restriction Data for E&M Tie Lines** to define the toll restriction data for E&M Tie Lines. This data should be defined if Tie Line Toll Restriction is enabled in Program 21-05-13.

Input Data

Class of Service	01 ~ 15

Table No.	01 ~ 20

Item No.	Item	Input Data	Default	Related Program
01	**Dial Data**	**Up to 10 Digits** (0 ~ 9, ∗, #)	No Setting	21-05-13

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-09 : ANI/DNIS Service Options

Level:
IN

Description

Use **Program 34-09 : ANI/DNIS Service Options** to define the ANI/DNIS service option setup for E&M Class of Service.

Input Data

Class of Service	01 ~ 15

Item No.	Item	Input Data	Description	Default	Related Program
01	**Receive Format**	0 = Address 1 = ∗ ANI∗ 2 = ∗ DNIS∗ 3 = ∗ ANI∗ Address∗ 4 = ∗ ANI∗ DNIS∗ 5 = ∗ DNIS∗ ANI∗ (∗ = Delimiter Code)	Use this option to specify the format of the ANI/DNIS data received from the Telco. Make sure your entry is compatible with the service the Telco provides. The character∗ indicates a delimiter. *If Program 34-01-02 is selected to 2 (MF), this Program works only as 4 =∗ANI∗DNIS∗.*	COS 01 = 0 COS 02 ~ 15 = 0	34-01-02 34-09-02
02	**Delimiter Dial Code**	1 ~ 9, 0, #, ∗	This option defines the character Telco uses as a delimiter (see entries 1 ~ 5 in Item 1 above). Valid entries are 0 ~ 9, #, and ∗.	COS 01 = ∗ COS 02 ~ 15 = ∗	34-09-01
03	**Route Setup of Receive Dial**	0 = Fixed Route (Item 08) (No Routing) 1 = Routes on Received DNIS or Address Data 2 = Routes on Received ANI Data	This option specifies the source of the data the system uses to route incoming ANI/DNIS calls. If option **2** is selected, refer to Program 34-09-04.	COS 01 = 0 COS 02 ~ 15 = 0	22-09-01 22-11-01 34-09-04 34-09-08

Program

34

Item No.	Item	Input Data	Description	Default	Related Program
04	**Route Table Set-up of Target Dial**	0 = SPD Table (Program 13-03) 1 = DID Table (Program 22-11)	The option sets how the system uses the route data (gathered in Item 3) to route incoming ANI/DNIS calls. If option 2 is selected, and the call is to be routed using the DID table (1), up to eight digits can be matched. The number of expected digits set in Program 22-09-01 must match the ANI digits defined in Program 22-11-01. For example, if an ANI/DNIS number received was ∗2035551234∗3001∗ and Program 22-09- 01 = 4, the entry in 22-11-01 must be 1234 with the defined target extension. If the call is to be routed using the ABB table (0), up to 36 digits can be matched. Define the range of the ABB table to be used in Program 34-09-06. The data is compared to the entries in Program 13-04-01 and then routed according to Program 13-04-03.	COS 01 = 0 COS 02 ~ 15 = 0	13-04 22-11-03 34-09-05
05	**ANI/DNIS Display as Target Dial Name**	0 = Display Off 1 = Display On	Use this option to set whether or not ANI data should appear on telephone displays as part of Caller ID display.	COS 01 = 1 COS 02 ~ 15 = 0	13-04 20-09-02 22-11-03 23-09-04
06	**Routing SPD Table Setup**	Start = 0, 100 ~ 900 End = 0, 99 ~ 999	Use this option to define which part of the ABB Table set up in Program 13-04 the system uses for ANI/DNIS Caller ID look-ups and ANI/DNIS routing. This is required if Items 4 and 5 above are 1 (Caller ID on). When you specify a starting and end address, the system uses the part of the table for look-ups. When you specify a starting address and length, the system uses that part of the table for routing. If the incoming ANI/DNIS number data matches the Number entry in the table, the system routes according to the associated Name data. That data can be an extension, Department Group pilot number, the voice mail master number or a trunk ring group.	COS 01 = Start = 900 End = 999 COS 02 ~ 15 = Start = 0 End = 0	13-04
07	**Routing on ANI/DNIS Error**	0 = Play Busy Tone to Caller 1 = Route Caller to Ring Group Specified in Program 25-03 (Transfer)	This option lets you determine how the system handles an ANI/DNIS call if a data error is detected in the incoming data string.	COS 01 = 1 COS 02 ~ 15 = 0	25-03
08	**Routing When Destination Busy or No Answer**	0 = Play Busy or Ring-back Tone to Caller (Busy/ NoAns) 1 = Route Caller to Ring Group Specified in Program 25-04 (Transfer)	This option lets you determine how the system handles an ANI/DNIS call if destination is busy or does not answer.	COS 01 = 0 COS 02 ~ 15 = 0	25-04

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Item No.	Item	Input Data	Description	Default	Related Program
09	**Calling Number Address Length**	1 ~ 8	When Item 01 = 0 (ANI/DNIS receive format is the address), use this option to specify the address length. The choices are from 1 ~ 8 digits.	COS 01 = 7 COS 02 ~ 15 = 7	34-09-01

Conditions

None

Program

34

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 34 : Tie Line Setup

34-10 : Digit Delete for T1 ANI

Level:
IN

Description

Program

34

Use **Program 34-10 : Digit Delete for T1 ANI** to delete the Information Digits received from the Network on Feature Group D Trunks.

Input Data

Incoming Trunk Group Number	001 ~ 025

Item No.	Item	Input Data	Description	Default
01	**Delete digit**	0 ~ 9 (0 = No delete)	**Example :** ANI Information = 111222 Delete = 2 digits After digit been deleted = 1222	2

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-01 : SMDR Options

Level:
IN

Program

35

Description

Use **Program 35-01 : SMDR Options** to set the SMDR (Station Message Detail Recording) options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number	1 ~ 2

Item No.	Item	Input Data	Description	Default
01	**Output Port Type**	0 = None 1 = --Reserve-- 2 = --Reserve-- 3 = LAN 4 = --Reserve--	This option specifies the type of connection used for SMDR. The baud rate for the COM port should be set in Program 10-21-02 or 15-02-19.	SMDR port1 : 3 SMDR port2 : 0
03	**Header Language**	0 = English 1 = German 2 = French 3 = Italian 4 = Spanish	Specify the language in which the SMDR header should be printed.	0
04	**Omit Digits**	0 ~ 24 (0 = Not applied)	The number of digits entered in this option does not print on the SMDR report. For example, if the entry is 10, the first 10 digits a user dials do not appear on the SMDR report.	0
05	**Minimum Digits**	0 ~ 24 (0 = Not applied)	Outgoing calls must be at least this number of digits for inclusion in the SMDR report.	0
06	**Minimum Call Duration**	0 ~ 65535 seconds (0 = All)	The duration of the call must be at least this time to be included on the SMDR report.	0
07	**Minimum Ring Time (For Incoming Calls)**	0 ~ 65535 seconds (0 = All)	A call must ring for at least this time to be included on the SMDR report.	0
08	**Format Selection**	0 = Format1 Type (North America) 1 = Format2 Type (Overseas)		0

Conditions

None

Feature Cross Reference

• Station Message Detail Recording

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-02 : SMDR Output Options

Level:
IN

Description

Use **Program 35-02 : SMDR Output Options** to set the SMDR (Station Message Detail Recording) output options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Program

35

Input Data

SMDR Port Number	1 ~ 2

Item No.	Item	Input Data	Description	Default
01	Toll Restricted Call	0 = Not Displayed 1 = Displayed	SMDR can include or exclude calls blocked by Toll Restriction.	1
02	PBX Calls	0 = Not Displayed 1 = Displayed	When the system is behind a PBX, SMDR can include all calls (1) or just calls dialed using the PBX trunk access code (0).	1
03	Trunk Number or Name	0 = Name 1 = Number	Select whether the system should display the trunk name (0) or the number (1) on SMDR reports. ✎ *If this option is set to 1, Program 35-02-14 must be set to 0.*	1
04	Summary (Daily)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a daily summary (at midnight every night).	1
05	Summary (Weekly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a weekly summary (every Saturday at midnight).	1
06	Summary (Monthly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a monthly summary (at midnight on the last day of the month).	1
07	Toll Charge Cost	0 = Not Displayed 1 = Displayed	Set this option to (1) have the SMDR report include toll charges.	1
08	Incoming Call	0 = Not Displayed 1 = Displayed	Enable this option (1) to have the SMDR report include incoming calls. If you disable this option (0), incoming calls do not print.	1
09	Extension Number or Name	0 = Name 1 = Number	Set this option (1) to have the SMDR report include extension numbers. Set this option (0) to have the SMDR report include extension names.	1
10	All Lines Busy (ALB) Output	0 = Not Displayed 1 = Displayed	Determine if the All Lines Busy (ALB) indication should be displayed.	0
11	Walking Toll Restriction Table Number	0 = Not Output 1 = Output		1
12	DID Table Name Output	0 = Not Displayed 1 = Displayed	Determine if the DID table name should be displayed.	0

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Program

35

Item No.	Item	Input Data	Description	Default
13	**CLI Output When DID to Trunk**	0 = Not Displayed 1 = Displayed	Determine if the CLI output should be displayed for DID.	0
14	**Date**	0 = Not Displayed 1 = Displayed	Determine whether or not the date should be displayed on SMDR reports. ✏ *This option must be set to 0 if the trunk name is set to be displayed in Program 35-02-03.*	0
15	**CLI/DID Number Switching**	0 = CLI (CLIP) 1 = DID Calling Number 2 = Calling Party Name	Determine whether or not the CLI/DID Number Switching should be displayed.	0
16	**Trunk Name or Received Dialed Number**	0 = Trunk Port Name 1 = Received Dialed Number 2 = Both	Determine how the SMDR should print incoming calls on ANI/DNIS or DID trunks. If set to (1), ANI/DNIS trunks can print DNIS digits. If set to (0) trunk names are printed instead.	0
17	**Print Account Code or Caller Name of Incoming Call**	0 = ACC 1 = CNAME	Determine if SMDR should print Account Code or Caller Name of Incoming Call.	0
18	**Print Mode for Caller Name of Incoming Call**	0 = Normal 1 = Line Feed	Determine how SMDR should print Caller Name of Incoming Call.	0
19	**Dialed Number Output Format**	0 = Display from the first digit 1 = Display from the last digit	Determine if the dialed number should display from the first digits or from the last digits. This option is only available for outgoing calls.	0
20	**External Information CFW Mode**	0 = Transfer Information 1 = Incoming Information	Determine which information is displayed in the "STATION" area for a transferred call when the extension has Call Forward set with an Abbreviated Dial number as the destination. Selecting "0" (Transfer Info) will display the extension number which called the extension with external Call Forward set. Selecting "1" (Incoming Info) will display the extension number which has the external Call Forward set. This option only applies when Call Forward is set using a service code (Programs 11-11-01 ~ 11-11-07) and the destination uses an Abbreviated Dial bin. It does not include Off-Premise or Centrex transfers.	0
21	**S-Point Terminal Number**	0 = MSN Number 1 = Extension Number		0
22	**Security Auto Dialing**	0 = Not Output 1 = Output	Emergency call from Watch Mode. Define SMDR output on/off. Output is SAD (Security auto dialing).	1
23	**Watch Auto Dialing**	0 = Not Output 1 = Output	Emergency call from Remote Inspection. Define SMDR output on/off. Output is WAD (Watch auto dialing)	1

Conditions

None

Feature Cross Reference

• Station Message Detail Recording

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-03 : SMDR Port Assignment for Trunk Group

Level:
IN

Description

Use **Program 35-03 : SMDR Port Assignment for Trunk Group** to assign the SMDR port for each trunk group. For each Trunk Group, select the SMDR port where the incoming SMDR information should be sent.

Input Data

Trunk Group Number	01 ~ 25

Item No.	Item	Input Data	Default
01	**SMDR Port No.**	1 ~ 2	1

Conditions

None

Feature Cross Reference

- Station Message Detail Recording
- Trunk Group Routing

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-04 : SMDR Port Assignment for Department Groups

Level:
IN

Program

35

Description

Use **Program 35-04 : SMDR Port Assignment for Department Groups** to assign the SMDR port for each Department Group. For each Department Group, select the SMDR port where the outgoing SMDR information should be sent.

✎ *There are 32 available Department Groups.*

Input Data

Department Group Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**SMDR Port No.**	1 ~ 2	1

Conditions

None

Feature Cross Reference

• Station Message Detail Recording

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-05 : Account Code Setup

Level:
IN

Description

Use **Program 35-05 : Account Code Setup** to set various Account Code options for an extension Class of Service. Assign a Class of Service to extensions in Program 20-06.

Program

35

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Description	Default
01	**Account Code Mode**	0 = Account Codes Disabled (None) 1 = Account Codes optional 2 = Account Codes Required but not verified (No verify) 3 = Account Codes Required and Verified (Verify)	Use this option to select the Account Code Mode (0 ~ 3).	0
02	**Forced Account Code Toll Call Setup**	0 = Account Codes for toll and local calls (All) 1 = Account Codes just for toll calls (STD)	Use this option enable Account Codes for all calls or just toll calls (for mode 2 or 3 in Item 01 above).	0
03	**Account Codes for Incoming Calls**	0 = Account Codes for incoming calls disabled (No) 1 = Account Codes for incoming calls enabled (Yes)	Use this option to allow users to enter Account Codes for incoming calls. If disabled, any codes entered dial out on the connected trunk.	0
04	**Hiding Account Codes**	0 = Account Codes displayed 1 = Account Codes not displayed	Use this option to either hide or show the Account codes on a telephone display.	0

Conditions

None

Feature Cross Reference

• Account Code Forced/Verified/Unverified

DFW Phone 972-992-4600

Program 35 : SMDR Account Code Setup

35-06 : Verified Account Code Table

Level:
IN

Program

35

Description

Use **Program 35-06 : Verified Account Code Table** to enter Account Codes into the Verified Account Code list. You can enter up to 800 codes with 1 ~ 16 digits, using the characters 0 ~ 9 or #. Use the LK1 to enter a wild card. For example, the entry @234 means the user can enter 0234-9234.

Input Data

Verified Account Code Bin Number	1 ~ 800

Item No.	Item	Input Data	Default
01	**Verified Account Code**	1 ~ 9, 0, #, @ (@ = Wild card) (Up to 16 digits)	No setting

Conditions

None

Feature Cross Reference

• Account Codes - Forced/Verified/Unverified

DFW Phone 972-992-4600

Program 40 : Voice Recording System

40-01 : Voice Mail Basic Setup

Level:
IN

Description

Use **Program 40-01 : Voice Mail Basic Setup** to set the Basic setting of Voice Mail.

Input Data

Item No.	Item	Input Data	Default
01	**Fixed Channel for Voice Mail**	0 ~ 16	0
02	**Time Stamp**	0 = Disable 1 = Enable	1
03	**Conversation recording mode after Transfer**	0 = Stop 1 = Continue	1
04	**Automated Attendant**	0 = Disable 1 = Enable	1
05	**Maintenance Time**	0000 ~ 2359 (0000 = No setting)	0000
06	**Automatic Erase Mail**	0 ~ 180 (Day)	0
07	**Escape from DSPDB-VM while Attendant Message**	0 = Disable 1 = Enable	0
08	**Display caller ID while recording message playing**	0 = Disable 1 = Enable	1
10	**Department group call when the automated attendant is activate**	0 = Disable 1 = Enable	0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 40 : Voice Recording System

40-07 : Voice Prompt Language Assignment for VRS

Level:
IN

Program

40

Description

Use **Program 40-07 : Voice Prompt Language Assignment for VRS** to specify the language to be used for the VRS prompts.

Input Data

Item No.	Item	Input Data	Default
01	**Voice Prompt Language Assignment for VRS**	01 = US English 02 = UK English 03 = Australian English 04 = French Canadian 05 = Dutch 06 = Mexican Spanish 07 = Latin America Spanish 08 = Italian 09 = German 10 = Madrid Spanish 11 = Norwegian 12 = Parisian French 13 = Brazilian Portuguese 14 = Japanese 15 = Mandarin Chinese 16 = Korean 17 = Iberian Portuguese 18 = Greek 19 = Danish 20 = Swedish 21 = Thai 22 = Mandarin Chinese (Taiwan) 23 = Flemish 24 = Turkish	1

Conditions

None

Feature Cross Reference

• Voice Mail Integration (Analog)

DFW Phone 972-992-4600

Program 40 : Voice Recording System

40-10 : Voice Announcement Service Option

Description

In **Program 40-10 : Voice Announcement Service Option** define the system options for the Voice Announcement feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**VRS Fixed Message**	0 = Not Used 1 = Used	Enable (1) or disable (0) the system ability to play the fixed VRS messages (such as You have a message).	0	
02	**General Message Number**	0 ~ 100 (0 = No General Message Service)	This item assigns the VRS message number to use for the General Message.	0	
03	**VRS No Answer Destination**	0 ~ 25 (Incoming Ring Group Number)	This item assigns the transferred Ring Group when the VRS is unanswered after Call Forwarding with Personal Greeting Message.	0 (No Setting)	
04	**VRS No Answer Time**	0 ~ 64800 seconds	If an extension has Personal Greeting enabled and all VRS ports are busy, a DIL or DISA call to the extension waits this time for a VRS port to become free.	0	
05	**Park and Page Repeat Timer (VRS Msg Resend)**	0 ~ 64800 seconds	If a Park and Page is not picked up during this time, the Paging announcement repeats.	0	
06	**Set VRS Message for Private Call Refuse (VRS Msg Private Call)**	0 ~ 101 (0 = No message) (101 = Fixed message)	This item assigns the VRS Message number to be used as Private Call Refuse. When Fixed message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
07	**Set VRS Message for Caller ID Refuse (VRS Msg CID)**	0 ~ 101 (0 = No message) (101 = Fixed message)	This item assigns the VRS Message number to be used as Caller ID Refuse. When Fixed Message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
08	**Call Attendant Busy Message**	0 ~ 100 (0 = No message)		0	15-01-08
09	**Call Attendant No Answer Message**	0 ~ 100 (0 = No message)		0	15-01-09
10	**Call Forward Remainder Announcement** (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'on the forwarded phone'.	1	40-10-01

Item No.	Item	Input Data	Description	Default	Related Program
11	**Call Forward Notification Announcement** (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'towards the incoming call'.	1	40-10-01

Conditions

None

Feature Cross Reference

• Voice Response System (VRS)

DFW Phone 972-992-4600

Program 40 : Voice Recording System

40-11 : Preamble Message Assignment

Level:
IN

Program

40

Description

In **Program 40-11 : Preamble Message Assignment** to assign the VRS message number to be used as the Preamble Message for each trunk. When the extension user answers the incoming call, the assigned VRS message is sent to the outside caller.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**VRS Message Number**	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

• Voice Response System (VRS)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-02 : ACD Group and Agent Assignments

Level:
SA

(This Program is available for V1.5 or higher)

Program

41

Description

In **Program 41-02 : ACD Group and Agent Assignments**, to set the name of Abbreviated Dial Group Name. for each ACD extension number, assign an ACD Group (01 ~ 02). An ACD Group number is assigned to each Work Period number (1 ~ 8).

The assigned extension works as an ACD agent extension in the following cases:
• The trunk belonging to an ACD group receives an incoming call while an ACD agent is logged in.
• An extension transfers a call to an ACD group using the ACD group pilot number.
• An incoming call is received with a DID/DISA number which is assigned as an ACD pilot number.

Input Data

Extension Number	Up to eight digits

ACD Work Period Mode Number	01 ~ 08

Item No.	Item	Input Data	Default
01	**ACD Group No.**	0 ~ 2 0 = No setting	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-03 : Incoming Ring Group Assignment for ACD Group

Level:
SA

(This Program is available for V1.5 or higher)

Program

41

Description

In **Program 41-03 : Incoming Ring Group Assignment for ACD Group** for each incoming trunk group set up in Program 22-05, designate which ACD Group (01 ~ 02) the trunks should ring for each of the eight Work Periods. Also use this program to assign an Incoming Trunk Ring Group as priority or normal. Use Program 41-06 to set up the Work Schedules and Work Periods for trunks. Use Program 41-07 to assign the Work Schedules to the days of the week.

Input Data

Incoming Ring Group Number	01 ~ 25

ACD Work Period Mode Number	1 ~ 8

Item No.	Item	Input Data	Description	Default
01	**ACD Group Number**	0 ~ 2 0 = No setting		0
02	**Night Announcement Service**	0 = No 1 = Yes		0
03	**Priority Data**	0, 1 ~ 7 0 = No Priority 1 = Highest Priority 7 = Lowest Priority	Determine whether or not an incoming call to a trunk ring group should follow a priority assignment.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)
• Ring Groups

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-05 : ACD Agent Work Schedules

Level:

SA

(This Program is available for V1.5 or higher)

Program

41

Description

Use **Program 41-05 : ACD Agent Work Schedules** to set up the Work Schedules for ACD Agents and Groups. For each ACD Work Schedule (1~4), designate the start and stop times for each of the eight Work Periods. After you set up the schedules in this program, assign them to days of the week in Program 41-07. (This is the same program used by the Trunk Work Schedules.)

ACD extensions can log in only during their work period. ACD extensions receive the following calls when they are logged in.

- ACD Call on a Trunk
  When the incoming ring group is assigned in the operating time (Programs 41-03 and 41-06).
- ACD Pilot Number Call
  Any time - if ACD extensions are available.

Input Data

ACD Work Schedule Time Pattern	1 ~ 4

Item No.	Item		Input Data	Default
01	**Work Period Mode Number**		1 ~ 8	(Start) 0000 (End) 0000
	Start Time		0000 ~ 2359	
	End Time		0000 ~ 2359	

Conditions

None

Feature Cross Reference

- Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-06 : Trunk Work Schedules

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-06 : Trunk Work Schedules** to set up the Work Schedules for trunks. For each Work Schedule (1 ~ 4), designate the start and stop times for each of the eight Work Periods. After you set up the schedules, assign them to days of the week in Program 41-07. (This is the same program used by the ACD Agent Work Schedules.)

Input Data

ACD Work Schedule Time Pattern Number	1 ~ 4

Item No.	Item	Input Data	Default
01	**Work Period Mode Number**	1 ~ 8	(Start) 0000 (End) 0000
	Start Time	0000 ~ 2359	
	End Time	0000 ~ 2359	

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-07 : ACD Weekly Schedule Setup

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-07 : ACD Weekly Schedule Setup** to assign the four Work Schedules (1 ~ 4) to days of the week. The assignments you make in this program apply to both the ACD Agent Work Schedules (Program 41-05) and the Trunk Work Schedules (Program 41-06).

Input Data

Item No.	Item	Input Data	Default
01	**Day Number**	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	0
	Time Pattern	0 ~ 4 0 = No ACD	

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-08 : ACD Overflow Options

Level:
SA

(This Program is available for V1.5 or higher)

Description

For each ACD Group (01 ~ 02), use **Program 41-08 : ACD Overflow Options** to assign the overflow mode (0~9), destination and announcement message types. Delay Announcement functions are not available for ACD pilot number calls. Each ACD Group can have unique overflow options. The table below outlines the entry options.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Default
01	**Overflow Operation Mode**	0 = No Overflow (None) 1 = Overflow with No Announcement 2 = No Overflow with First Announcement Only 3 = No Overflow with First & Second Announcements 4 = Overflow with First Announcement Only 5 = Overflow with First & Second Announcement 8 = No Overflow with Second Announcement Only 9 = Overflow with Second Announcement Only	0
02	**ACD Overflow Destination**	0 = No Setting 1 ~ 2 = ACD Group 3 = Overflow Table (Program 41-09) 4 = Voice Mail Integration 5 = System Speed (Program 41-08-05) 6 = Incoming Ring Group (Program 41-08-06)	0
03	**Delay Announcemen Source Type**	1 = VRS 2 = InMail	1
04	**ACD Overflow Transfer Time**	0 ~ 64800 (seconds)	30
05	**System Speed Dial Bin**	000 ~ 999 (Used when 41-08-02 is set to 67)	999
06	**Incoming Ring Group when Overflow**	01 ~ 25 (Used when 41-08-02 is set to 68)	1

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-09 : ACD Overflow Table Setting

Level:
SA

(This Program is available for V1.5 or higher)

Program

41

Description

Use **Program 41-09 : ACD Overflow Table Setting** to define the ACD group to which a call is transferred when overflow occurs.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Default
01	**1 ~ 3**	0 ~ 3 0 = No setting 3 = In-Skin Voice Mail Integration	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-11 : VRS Delay Announcement

Level:

SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-11 : VRS Delay Announcement** to assign the VRS message number to use as the message source for the 1st and 2nd Delay Announcement Messages. Refer to Program 41-08 for more on setting up the ACD overflow options.

This program is activated when the delay announcement source and options are assigned as VRS in Program 41-08-03.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Description	Default
01	**Delay Message Start Timer**	0 ~ 64800 (seconds)	Input the time before the 1st Delay Message Starts.	0
02	**1st Delay Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	Input the VRS Message to be played as the 1st Delay Message.	0
03	**1st Delay Message Sending Count**	0 ~ 255	Input the number of times the 1st Delay Message is sent. If set to 0, the message is not played.	0
04	**2nd Delay Message Number**	0 ~ 101 0 = No Message 101 = Fixed Message	Input the VRS Message to be played as the 2nd Delay Message.	0
05	**2nd Waiting Message Sending Count**	0 ~ 255	Input the number of times the 2nd Delay Message is sent. If set to 0, the message is not played.	0
06	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	Input what is heard between the Delay messages.	0
07	**ACD Forced Disconnect Time after the 2nd DelayMessage**	0 ~ 64800 (seconds) (0 = No Disconnect)	Set the time, after the last 2nd Delay Message is played, before the call is disconnected.	60
08	**Queue Depth Announcement**	0 = Disable 1 = After 1st (1st) 2 = After 2nd (2nd) 3 = After 1st and 2nd (1st and 2nd)	Input when the Queue Depth Announcement is played.	0

Conditions

None

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Feature Cross Reference

- Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program

41

Program 41 : ACD Setup

41-12 : Night Announcement Setup

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-12 : Night Announcement Setup** to set Night Announce time for each ACD group. Night announcement availability depends on the setting in Program 41-03-02. The night announcement function is not available for ACD pilot number calls.

Program

41

Input Data

ACD Group Number	01 ~ 02

Item No.	Item	Input Data	Description	Default
03	**ACD Night Announce Sending Time**	0 ~ 64800 (seconds)	Only used when Program 41-12-01 is set to 0.	30

Conditions

• The Night Announcement function is not available for ACD pilot number call.

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-13 : VRS Message Number for Night Announcement

Level:
SA

(This Program is available for V1.5 or higher)

Program

41

Description

Use **Program 41-13 : VRS Message Number for Night Announcement** to define the VRS message number to use as the night announcement. This program is activated when the night announcement source is assigned as VRS in Program 41-12-01.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Description	Default
01	**VRS Message Number**	0 ~ 100 0 = No Message	Input the VRS Message to use for the Night Announcement.	0
02	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	Input what is heard between the Night Announcements.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-14 : ACD Options Setup

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-14 : ACD Options Setup** to set various options for ACD Groups. When you set an option for an ACD Group, the setting is in force (if applicable) for all agents in the group. The chart below shows each of the ACD options, the entries available, and the default entry.

Input Data

ACD Group No	01 ~ 02

Item No.	Item	Input Data	Description	Default
02	**Automatic Wrap Up Mode**	0 = After wrap up the mode key is pressed. (Manual) 1 = After call is finished automatically. (Auto)	Enable/Disable Automatic Wrap Up mode.	0
03	**ACD Priority for Overflow Calls**	0 = Own group priority 1 = Priority order by Program 41-03-03	Determine whether the ACD group should use its own priority assignment or follow the priority assigned in Program 41-03-03.	0
04	**Automatic Answer at Headset**	0 = Off 1 = On	Enable/Disable Automatic Answer for agents using headsets.	0
06	**Call Queuing after 2nd Announcement**	0 = Enable (Yes) 1 = Disable (No)	Determine whether the caller should hear the 2nd Delay Announcement and then be taken out of queue (1), or placed back into queue (0).	0
07	**Automatic Off Duty for SLT**	0 = No change to Off Duty mode 1 = Change to Off Duty mode automatically (Skip)	Enable/Disable Automatic Off Duty (rest) mode for agents with SLT.	0
08	**ACD Off Duty Mode**	0 = Cannot receive internal call 1 = Can receive internal call	Enable/Disable the ability to receive internal calls when in Off Duty Mode.	0
09	**Automatic Wrap Up End Time**	0 ~ 64800 (seconds)	Input the time the agent is in Wrap mode when Wrap key is pressed, or automatically put into Wrap mode.	0
10	**ACD No Answer Skip Time**	0 ~ 64800 (seconds)	Set the time a call to the ACD Group rings an idle extension before routing to the next agent.	10
12	**Start Headset Ear Piece Ringing (for SLT)**	0 ~ 64800 (seconds)		0

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Item No.	Item	Input Data	Description	Default
17	**CTI : Operation mode when transfer no log-in ACD groups**	0 = Transfer to ACD Group 1 = Error Notice (Program 99-01-40)		0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-16 : ACD Threshold Overflow

Level:
SA

(This Program is available for V1.5 or higher)

Program

41

Description

Use **Program 41-16 : ACD Threshold Overflow** to define the value of the ACD threshold call overflow and the mode for each ACD group.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Description	Default
01	**Number of Calls in Queue**	0 ~ 84 0 = No Limitation	Define the maximum number of calls allowed in the ACD queue before overflow occurs.	0
02	**Operation Mode for ACD Queue**	0 = The last waiting call is transferred 1 = The longest waiting call is transferred 2 = Send Busy Tone	Define how the system should handle calls when the number of calls in queue exceeds the threshold.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-19 : ACD Voice Mail Delay Announcement

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-19 : ACD Voice Mail Delay Announcement** to assign InMail Master Mailboxes (Program 47-03) as ACD Delay Announcement Mailboxes.

Input Data

ACD Group Number	01 ~ 02

Item No.	Item	Input Data	Description	Default
01	**Delay Message Start Timer**	0 ~ 64800 (seconds)	Determine the time the system waits before playing the Delay Message.	0
02	**Mailbox Number for 1st Announcement Message**	**Dial (up to eight digits)**	Assign the Voice Mail ACD Announcement Mailbox as the message source for the 1st Announcement Message.	No Setting
03	**1st Delay Message Sending Count**	1 ~ 255 0 = No message is played.	Determine the 1st Delay Message Sending Count. This entry must be set to 1 or higher for the message to play.	0
04	**Mailbox Number for 2nd Announcement Message**	**Dial (up to eight digits)**	Assign the Voice Mail ACD Announcement Mailboxes as the message source for the 2nd Announcement Message.	No Setting
05	**2nd Delay Message Sending Count**	1 ~ 255 0 = No message is played.	Determine the 2nd Delay Message Sending Count. This entry must be set to 1 or higher for the message to play.	0
06	**Wait Tone Type at Message Interval**	0 = Ring Back Tone 1 = Music On Hold Tone 2 = Background Music Source	Determine what the caller hears between the messages.	0
07	**ACD Forced Disconnect Time after 2nd Announcement**	0 ~ 64800 (seconds)	Assign the time the system should wait after the end of the ACD Delay Message before disconnecting.	0
08	**Delay Message Interval Time**	0 ~ 64800 (seconds)	Set the time for the interval between the Delay Messages.	20

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 41 : ACD Setup

41-20 : ACD Queue Display Settings

Level:
SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-20 : ACD Queue Display Settings** to assign the options for the ACD Queue Status Display feature. This program allows the Queue Status Display, and causes an alarm to sound, when the parameters in this program are met.

Input Data

ACD Group No.	01 ~ 02

Item No.	Item	Input Data	Description	Default
01	**Number of Calls in Queue**	1 ~ 84 0 = No Display	Set the number of calls that can accumulate in the ACD queue before the Queue Status Display (and optional queue alarm) occurs.	0
02	**Queue Status Display Time**	0 ~ 64800 (seconds)	Set the time the Queue Status display remains on the telephone display.	5 (seconds)
03	**Queue Status Display Interval**	0 ~ 64800 (seconds)	Determine whether or not an incoming call to a trunk ring group should follow a priority assignment. Set the time that refreshes the Queue Status Alarm time in queue display and causes the optional queue alarm to occur on phones active on a call, logged out, or in wrap-up.	60 (seconds)
04	**ACD Call Waiting Alarm**	0 = Disable (Off) 1 = Enable (On)	Enable/Disable the queue alarm.	0
05	**ACD Call Waiting Alarm Hold Time**	0 ~ 64800 (seconds)	Set the time the Call Waiting Alarm should sound.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

Program 42 : Hotel Setup

42-01 : System Options for Hotel/Motel

Level:
IN

Program

42

Description

Use **Program 42-01 : System Options for Hotel/Motel** to assign the system options for Hotel/Motel Service.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Answering Message Mode for Wake Up Call (Hotel Mode)**	0 = MOH (Hold Time) 1 = VAU Message 2 = VAU Message + Time		0
02	**Wake Up Call Message Assignment**	0 ~ 100 (0 = No setting)	VAU Message for Wake Up Calls. You must make an entry for this program if you have selected 1 or 2 in Item 01 above.	0
03	**Wake Up Call No Answer**	0 = No Transfer 1 = Transfer to the Operator		0
04	**Setup Message Mode for Wake Up Call (Hotel Mode)**	0 = Confirmation Tone 1 = VAU Message 2 = Time Stamp + VAU Message		0
05	**Wake Up Call Message Assignment**	0 ~ 100 (0 = No setting)		0
06	**Flexible Room Status** (V2.0 Added)	0 = Off 1 = On	When PRG42-01-06 is set to on, any room status change from any status can be made. Ex) Hotel Status Code 4 -> 3 Hotel Status Code 4 -> 4	0

Conditions

None

Feature Cross Reference

• Hotel/Motel

DFW Phone 972-992-4600

Program 42 : Hotel Setup

42-02 : Hotel/Motel Telephone Setup

Level:
IN

Description

Use **Program 42-02 : Hotel/Motel Telephone Setup** to define the basic operation of the Hotel/Motel extensions.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Description	Default
01	**Hotel Mode**	0 = Normal 1 = Hotel	If you want an extension to operate in the Hotel/Motel mode, enter 1. If you want the telephone to operate in the business mode, enter 0.	0
02	**Toll Restriction Class When Check In**	1 ~ 15	Assign an extension Toll Restriction Class when it is checked in. The system has 15 Toll Restriction Classes (1 ~ 15). The entry you make in this option affects the telephone in all Night Service modes. (Refer to Programs 21-05 and 21-06 to set up the Toll Restriction dialing options.) When the extension is checked out, it uses the Toll Restriction Class set in Program 21-04.	1
03	**Room Status (Reference Only)** (V2.0 Added)	Read Only: 1 = Room Clean (Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of Order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 0 = Room Clean (Vacant) ∗ = Reserve 5 # = Reserve 6	This Program shows the hotel room status of each Hotel extension.	-

Conditions

None

Feature Cross Reference

• Hotel/Motel

DFW Phone 972-992-4600

Program 42 : Hotel Setup

42-03 : Class of Service Options (Hotel/Motel)

Level:
IN

Program

42

Description

Use **Program 42-03 : Class of Service Options (Hotel/Motel)** to set the Hotel/Motel Class of Service (COS) options. Assign Class of Service to extensions in Program 42-02 : Hotel/Motel Telephone Setup. There are 15 Classes of Service. Refer to the following chart for a description of each COS option, its range and default setting. For additional Class of Service options, refer to Programs 20-06.

Input Data

Class of Service Number	01 ~ 15

Item No.	Item	Input Data	Default
01	**Check-In Operation**	0 = Off 1 = On	Class 01 ~ 15 = 1
02	**Check-Out Operation**	0 = Off 1 = On	Class 01 ~ 15 = 1
03	**Room Status Output**	0 = Off 1 = On	Class 01 ~ 15 = 1
04	**DND Setting for Other Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
05	**Wake up Call Setting for Other Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
06	**Room Status Change for Other Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
07	**Restriction Class Changing for Other Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
08	**Room to Room Call Restriction**	0 = Off 1 = On	Class 01 ~ 15 = 1
09	**DND Setting for Own Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
10	**Wake Up Call Setting for Own Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
11	**Change Room Status for Own Extension**	0 = Off 1 = On	Class 01 ~ 15 = 1
12	**SLT Room Monitor** Enable (1) or disable (0) a single line telephone ability to use Room Monitor.	0 = Off 1 = On	Class 01 ~ 15 = 1

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

• Class of Service
• Hotel/Motel

DFW Phone 972-992-4600

Program 42 : Hotel Setup

42-04 : Hotel Mode One-Digit Service Codes

Program

42

Level:
IN

Description

Use **Program 42-04 : Hotel Mode One-Digit Service Codes** to set up the Hotel Mode one-digit service codes which are assigned in 42-02-01. For each Department Calling Group (01 ~ 32), you enter the destination for each single digit code (1 ~ 9, 0, ∗, #). The destination can be any code with up to eight digits, such as an extension number or access code.

Input Data

Department (Extension) Group Number	01 ~ 32

Item No.	Received Dial	Destination Number	Default
01	1 ~ 9, 0, ∗, #	Up to eight digits	No setting

Conditions

• The one-digit service codes you assign in this program wait until the interdigit time expires before executing.

Feature Cross Reference

• Hotel/Motel

DFW Phone 972-992-4600

Program 42 : Hotel Setup

42-05 : Hotel Room Status Printer

Level:
IN

Description

Use **Program 42-05 : Hotel Room Status Printer** to set the LAN port to output the Hotel Data (Check-Out sheet, Room Status, etc.) and the output options for the Hotel/ Motel feature.

Input Data

Item No.	Item	Input Data	Default
01	**Output Port Type**	0 = No setting 3 = LAN	0
03	**Wake Up Call No Answer Data**	0 = Not Output 1 = Output	0
04	**Check-Out Sheet**	0 = Not Output 1 = Output	0

Conditions

• Room Status Reports can be output via LAN port.

Feature Cross Reference

• Hotel/Motel

Program 42 : Hotel Setup

42-09 : Flexible Setup for Room Status

Level:
IN

(This Program is available for V2.0 or higher)

Program

42

Description

Use **Program 42-09 : Flexible Setup for Room Status** to enable dial room status codes. Note the code definitions only apply to the system itself.

Input Data

Room Status	1, 2, 3, 4, 5, 6, 7, 8, 9, 0, ∗, #

Item No.	Item	Input Data	Default
01	**Flexible Setup for Room Status**	0 = Room Clean (Vacant) 1 = Room Clean (Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 ∗ = Reserve 5 # = Reserve 6	1 - # = None

Conditions

None

Feature Cross Reference

• Hotel/Motel

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Program 44 : ARS/F-Route Setup

44-01 : System Options for ARS/F-Route

Program

44

Description

Use **Program 44-01 : System Options for ARS/F-Route** to define the system options for the ARS/F-Route feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	**ARS/F-Route Time Schedule**	0 = Not Used 1 = Used	If this option is set to **0**, the F-Route table selected is determined only by the digits dialed without any relation to the day or time of the call. If this option is set to **1**, the system first refers to PRG 44-10. If there is a match, the pattern defined in that program is used. If not, the F-Route pattern in PRG 44-09 and time setting in 44-08 are used.	0
02	**Dial Tone Simulation** (V2.0 Added)	1 digit (0 ~ 9) 🖉 *∗, # cant be used*	When first dialed digit matches with the data set in this Program, system send simulated DT to calling party after receiving first digit. Numbering plan for the dial needs to configure as F-Route at PRG 11-01.	None
03	**Tone Kind** (V2.0 Added)	0 = Internal DT 1 = External DT	Set simulated DT kind which can change the tone used at PRG 44-01-02 and PRG 44-02-04.	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

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Program 44 : ARS/F-Route Setup

44-02 : Dial Analysis Table for ARS/F-Route Access

Level:
IN

Program

44

Description

Use **Program 44-02 : Dial Analysis Table for ARS/F-Route Access** to set the Pre-Transaction Table for selecting ARS/F-Route.

Input Data

Dial Analysis Table Number	001 ~ 120

Item No.	Item	Input Data	Description	Default
01	**Dial**	Up to eight digits (Use line key 1 for a Don't Care digit, @)	Set the number of digits to be analyzed by the system for ARS routing.	No Setting
02	**Service Type**	0 = No setting (None) 1 = Extension Call (Own) 2 = ARS/F-Route Table (F-Route) 3 = Dial Extension Analyze Table (Option)	• Service Type 1 (Extension Number) The number goes to an extension after deleting the front digit(s). *Additional Data* Assign the digit(s) to be deleted on top of the number for extension number usage. At least one digit must be deleted. • Service Type 2 (ARS/F-Route) The number is controlled by ARS/F-Route table. *Additional Data:* If the ARS/F-Route Time Schedule is not used, assign the ARS/F-Route table number for Program 44-05. If the ARS/F-Route Time Schedule is used, assign the ARS/F-Route selection number for Program 44-04. • Service Type 3 (Dial Extension Analyze Table) The total length of the number exceeds more than 8 digits. *Additional Data:* Assign the Dial Extension Analysis Table number to be used in Program 44-03.	0
03	**Additional Data**	1 = Delete Digit = 0 ~ 255 (255 = Delete All Digits) 2 = 0 ~ 100 (0 = No setting) 3 = Dial Extension Analyze Table Number = 0 ~ 4 (0 = No setting)	For the Service Type selected in 44-02-02, enter the additional data required. • 1 : Delete Digit = 0 ~ 255 (255 = Delete All Digits) • 2 : [Program 44-01 : 0] ARS/F-Route Table Number = 0 ~ 100 (0 = No setting) Refer to Program 44-05. [Program 44-01 : 1] ARS/F-Route Select Table Number = 0 ~ 100 (0 = No setting) Refer to Program 44-04. • 3 : Dial Extension Analyze Table Number = 0 ~ 4 (0 = No setting) Refer to Program 44-03.	0

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Item No.	Item	Input Data	Description	Default
04	**Dial Tone Simulation**	0 = Off 1 = On	If enabled, this option sends dial tone to the calling party after the routing is determined. This may be required if the central office at the destination does not send dial tone.	0

Conditions

None

Program

44

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

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Program 44 : ARS/F-Route Setup

44-03 : Dial Analysis Extension Table

Level:
IN

Program

44

Description

When Program 44-02-02 is set to type 3, use **Program 44-03 : Dial Analysis Extension Table** to set the dial extension analysis table. These tables are used when the analyzed digits must be more than eight digits. If the received digits do not match the digits set in tables 1 ~ 250, table number 252 is used to refer to the next Extension Table Area (1 ~ 4) to be searched. If the received digits are not identified in tables 1 ~ 250, the F-Route selection table number defined in table 251 is used.

Input Data

Extension Table Area Number	1 ~ 4

Dial Analysis Table Number	1 ~ 252

Dial Analysis Table Number : 1 ~ 250

Item No.	Item	Input Data	Default
01	**Dial**	**Up to 36 digits** Digits = 1 ~ 9, 0, ∗, #, @ (Press Line Key 1 for wild character @)	No Setting
02	**ARS/F-Route Select Table Number**	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 251

Item No.	Item	Input Data	Default
03	**ARS/F-Route Select Table Number**	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 252

Item No.	Item	Input Data	Default
04	**Next Table Area Number**	0 ~ 4	0

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Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-04 : ARS/F-Route Selection for Time Schedule

Level:
IN

Program

44

Description

Use **Program 44-04 : ARS/F-Route Selection for Time Schedule** to assign each ARS/ F-Route Selection number to an ARS/F-Route table number for each ARS/F-Route time mode. There are eight time modes for ARS/F-Route Access.

Input Data

ARS/F-Route Selection Number	001 ~ 100

ARS/F-Route Time Mode	1 ~ 8

Item No.	Item	Input Data	Default
01	**ARS/F-Route Table Number**	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

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Program 44 : ARS/F-Route Setup

44-05 : ARS/F-Route Table

Level:
IN

Description

Use **Program 44-05 : ARS/F-Route Table** to set the ARS/F-Route table. There are four kinds of order. If the higher priority trunk groups are busy, the next order group is used. If a lower priority route is selected, the caller may be notified with a beep tone.

Input Data

ARS/F-Route Table Number	001 ~ 100

Priority Number	1 ~ 4

Item No.	Item	Input Data	Description	Default
01	**Trunk Group Number**	0 = No setting 1 ~ 25 = Trunk Group 101 ~ 104 = Networking (V1.5 Added) 255 = Extension Call	Select the trunk group number to use for the outgoing ARS call.	0
02	**Delete Digits**	0 ~ 255 (255 = Delete All)	Enter the number of digits to be deleted from the dialed number.	0
03	**Additional Dial Number Table**	0 ~ 100	Enter the table number (defined in Program 44-06) for additional digits to be dialed.	0
04	**Beep Tone**	0 = Off 1 = On	Select whether or not a beep is heard if a lower priority trunk group is used to dial out.	0
05	**Gain Table Number for Internal Calls**	0 ~ 100 0 = No setting	Select the gain table number to use for the internal call (defined in Program 44-07).	0
06	**Gain Table Number for Tandem Connections**	0 ~ 100 0 = No setting	Select the gain table number to use for the tandem call (defined in Program 44-07).	0
07	**ARS Class of Service**	0 ~ 16	Select the ARS Class of Service to use for the table. An extension ARS COS is determined in Program 26-04-01.	0
08	**Dial Treatment**	0 ~ 15	Select the Dial Treatment to use for the table. If a Dial Treatment is selected, Programs 44-05-02 and 44-05-03 are ignored and the Dial Treatment defined in Program 26-03-01 is used instead.	0
09	**Maximum Digit**	0 ~ 24	Input the maximum number of digits to send when using the F-Route.	0
11	**Network Specified Parameter Table**	0 ~ 16	Enter a table number from Program 26-12.	0

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Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program

44

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Program 44 : ARS/F-Route Setup

44-06 : Additional Dial Table

Level:
IN

Description

Use **Program 44-06 : Additional Dial Table** to set the additional dial table to add prior to the dialed ARS/F-Route number. The Additional Dial Table used is determined in Program 44-05-03.

Input Data

Additional Dial Table Number	001 ~ 100

Item No.	Item	Input Data	Default
01	**Additional Dial**	**Up to 36 digits** **Enter** : 1 ~ 9, 0, ∗, #, Pause (press LK 1 to enter a pause)	No setting

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-07 : Gain Table for ARS/F-Route Access

Level:
IN

Program

44

Description

Use **Program 44-07 : Gain Table for ARS/F-Route Access** to set the gain/PAD table. If an extension dials ARS/F-Route number:

• The Extension Dial Gain Table, assigned in Program 44-05, is activated.
• The Extension Dial Gain Table follows Outgoing transmit and Outgoing receive settings.

If the incoming call is transferred to another line using ARS/F-Route:

• The Tandem Gain Table, assigned in Program 44-05, is activated.
• The Tandem Gain Table follows the Incoming transmit and Incoming receive settings for incoming line, and Outgoing transmit and Outgoing receive settings for the outgoing line.

🖉 *For ARS/F-Route calls, the CODEC gains defined in Programs 14-01-02 and 14-01-03 are not activated.*

Input Data

Gain Table Number	001 ~ 100

Item No.	Item	Input Data	Default
01	**Incoming Transmit**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
02	**Incoming Receive**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
03	**Outgoing Transmit**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
04	**Outgoing Receive**	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

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Program 44 : ARS/F-Route Setup

44-08 : Time Schedule for ARS/F-Route

Level:
IN

Program

44

Description

Use **Program 44-08 : Time Schedule for ARS/F-Route** to define the daily pattern of the ARS/F-Route feature. ARS/F-Route has 10 time patterns. These patterns are used in Programs 44-09 and 44-10. The daily pattern consists of 20 time settings.

Input Data

Schedule Pattern Number	01 ~ 10

Item No.	Item	Input Data
01	**Time Number**	01 ~ 20
	Start Time	0000 ~ 2359
	End Time	0000 ~ 2359
	Mode	1 ~ 8

Default

All Schedule Patterns = 0 : 00 - 0 : 00, Mode 1

Example :

Pattern 1

0:00	8:00	18:00	22:00	0:00
Mode 3	Mode 1	Mode 2	Mode 3	
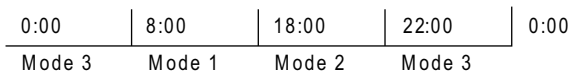
Time Number 01 = 00 : 00 - 08 : 00 Mode 3

Time Number 02 = 08 : 00 - 18 : 00 Mode 1

Time Number 03 = 18 : 00 - 22 : 00 Mode 2

Time Number 04 = 22 : 00 - 00 : 00 Mode 3

Pattern 2
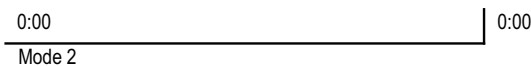
0:00	0:00
Mode 2	

Time Number 01 = 00 : 00 - 00 : 00 Mode 2

Conditions

None

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Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program

44

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Program 44 : ARS/F-Route Setup

44-09 : Weekly Schedule for ARS/F-Route

Level:
IN

Program

44

Description

Use **Program 44-09 : Weekly Schedule for ARS/F-Route** to define a weekly schedule for using ARS/F-Route. The pattern number is defined in Program 44-08-01.

Input Data

Day Number	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday

Item No.	Item	Input Data	Default
01	**Schedule Pattern Number**	0 ~ 10 (0 = No setting)	Sunday ~ Saturday = Pattern 1

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-10 : Holiday Schedule for ARS/F-Route

Level:
IN

Program

44

Description

Use **Program 44-10 : Holiday Schedule for ARS/F-Route** to define a yearly schedule for ARS/F-Route. This schedule is used for setting special days such as national holidays. The pattern number is defined in Program 44-08-01.

Input Data

Item No.	Item	Input Data	Default
01	**Date**	0101 ~ 1231	-
	Schedule Pattern Number	0 ~ 10 (0 = No setting)	Date 0101 - 1231 = Pattern 0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

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Program 45 : Voice Mail Integration

45-01 : Voice Mail Integration Options

Level:
IN

Program

45

Description

Use **Program 45-01 : Voice Mail Integration Options** to customize certain voice mail integration options.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Voice Mail Department Group Number**	0 ~ 32 0 = No Voice Mail	Assign which Extension (Department) Group number is to be assigned as the voice mail group.	0	
02	**Voice Mail Master Name**	Up to 12 Characters	Enter the Voice Mail Master Name.	VOICE MAIL	
03	**Voice Mail Call Screening**	0 = Off 1 = On	Enable/disable the ability to process the Call Screening commands (1 + extension number) sent from the Voice Mail. You should normally enable this option to allow for Voice Mail Call Screening. Disable this option if your system has been modified so that extensions begin with the digit 1(e.g., 101, 102, etc.). Also see the "Flexible System Numbering" feature.	0	45-01-11
04	**Park and Page**	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Park and Page (∗) commands. You should normally **enable** this option.	1	45-01-12
05	**Message Wait**	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Message Wait (#) commands. You should normally **enable** this option. If enabled, be sure that the programmed Message Notification strings don't contain the code for trunk access.	1	45-01-13
06	**Record Alert Tone Interval Time**	0 ~ 64800 seconds	This time sets the interval between Voice Mail Conversation Record alerts.	30 seconds	
07	**Centralized Voice mail Pilot No.** (V1.5 Added)	**Dial (Up to 8 digits)**	Assign this number the same as the extension number or pilot number.	No Setting	
08	**Centralized Voice Mail Department Group Number** (V1.5 Added)	0 ~ 32	Assign which Extension (Department) Group Number is used as the Centralized Voice Mail group.	0	
09	**Centralized Voice Mail master Name** (V1.5 Added)	Up to 12 characters	Assign the Centralized Voice Mail Master Name.	C.V.M.	

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Program

45

Item No.	Item	Input Data	Description	Default	Related Program
10	**New NSL Protocol support**	0 = Off 1 = On		0	
11	**Prefix for Call Screening**	Dial (One digit)		1	45-01-03
12	**Prefix for Park and Page**	Dial (One digit)		*	45-01-04
13	**Prefix for Message Wait**	Dial (One digit)		#	45-01-05
15	**Analog Voice Mail Protocol Selection**	0 = Fixed 1 = Program	Assigns whether fixed codes are used or the codes used in Program 45-04 are used for analog voice mail protocol.	0	45-04 11-11-50/51
16	**Voice Mail Fax Digit Add Assignment**	Up to four digits	Assign up to four digits in front of the station number sent to the SLT port when a call is forwarded.	No Setting	15-03-16
17	**Reply Mailbox Number**	0 = No 1 = Yes	Whether or not to include the mailbox number in the analog voice mail protocol.	1	45-04
18	**Trunk Number Mapping**	2 ~ 3	Assign the digits of trunk number mapping.	2	

Conditions

None

Feature Cross Reference

• Voice Mail Integration (Analog)

Program 45 : Voice Mail Integration

45-02 : NSL Option Setup

Level:
SA

Program

45

Description

Use **Program 45-02 : NSL Option Setup** to setup the NSL options for Voice Mail integration.

Input Data

Item No.	Item	Input Data	Default
01	**Send DTMF tone or 6KD message**	0 = Send DTMF tone to SLT-VM port 1 = Send 6KD message to Serial port	1
02	**Forced Send Dial Tone**	0 = Normal 1 = Forced	0
03	**Send 51A Message**	0 = Off 1 = On	1
04	**NSL over LAN**	0 = Off 1 = On	1
05	**Send 4PM message**	0 = Off 1 = On	0

Conditions

None

Feature Cross Reference

None

Program 45 : Voice Mail Integration

45-04 : Voice Mail Digit Add Assignment

Level:
IN

Program

45

Description

Use **Program 45-04 : Voice Mail Digit Add Assignment** to define the digits to add.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Remote Logon (Internal)**	**Up to four digits**	None	45-01-15
02	**Direct Logon**	**Up to four digits**	None	45-01-15
03	**Transfer Message**	**Up to four digits**	None	45-01-15
04	**Forward-All**	**Up to four digits**	None	45-01-15
05	**Forward-Busy**	**Up to four digits**	None	45-01-15
06	**Forward RNA**	**Up to four digits**	None	45-01-15
07	**Remote Logon**	**Up to four digits**	None	45-01-15
08	**Conversation Recording**	**Up to four digits**	None	45-01-15
09	**Clear Down String**	**Up to four digits**	None	45-01-15

Conditions

None

Feature Cross Reference

None

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Program 45 : Voice Mail Integration

45-05 : Voice Mail Send Protocol Signal Without Additional Digits

Level:
IN

Description

Use **Program 45-05 : Voice Mail Send Protocol Signal Without Additional Digits** to send trunk number and/or station number information if integrating to Voice Mail when Program 45-04-XX is left blank and 45-01-15 is set to "Program".

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Remote Log-On Internal**	0 = Off 1 = On	0	45-01-15 45-04-01
02	**Direct Log-On**	0 = Off 1 = On	0	45-01-15 45-04-02
03	**Transfer Message/QVM**	0 = Off 1 = On	0	45-01-15 45-04-03
04	**Forward-All**	0 = Off 1 = On	0	45-01-15 45-04-04
05	**Forward-Busy**	0 = Off 1 = On	0	45-01-15 45-04-05
06	**Forward RNA**	0 = Off 1 = On	0	45-01-15 45-04-06
07	**Remote Log-On**	0 = Off 1 = On	0	45-01-15 45-04-07
08	**Conversation Recording**	0 = Off 1 = On	0	45-01-15 45-04-08
09	**Clear Down String**	0 = Off 1 = On	0	45-01-15 45-04-09

Conditions

None

Feature Cross Reference

None

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Program 47 : InMail

47-01 : InMail System Options

Level:
IN

Description

Use **Program 47-01 : InMail System Options** to set up the InMail system-wide options.

Input Data

Item No.	Item	Input Data	Description	Default
02	**InMail Master Name**	Up to 12 characters	(MasterName) The CPU must be reset for a change to this program to take effect. Use this option to modify the name for all InMail ports. The system briefly displays this name when a display multiline terminal user calls a Voice Mail port (either by pressing **Message**, their voice mail key, or by dialing the master number). You should always end the name with the **##** characters. The system substitutes the port number for the last #. Using the default name **InMail ##**, for example, the telephone display shows **InMail #1** when calling port 1.	InMail **##** (The system substitutes the port number for the # when calling the port.)
03	**Subscriber Message Length**	1 ~ 4095 seconds	(Subs Msg Length) Use this option to set the maximum length of recorded messages for: • Subscriber Mailbox users dialing **RS** to record and send a message. • Extension users leaving a message in a Subscriber Mailbox. • Outside Automated Attendant callers accessing a mailbox via a GOTO command and then dialing **RS** to record and send a message. • Subscriber Mailbox Greetings. • Announcement Messages. • Call Routing Mailbox Instruction Menus. 🖉 *The length of a Conversation Record is 10 times the Subscriber Message Length. Since the Conversation Record time cannot exceed 4095 seconds, any setting in Subscriber Message Length larger than 409 has no effect on the length of recorded conversations.*	120 seconds
04	**Non-Subscriber Message Length**	1 ~ 4095 seconds	(Mbox Msg Length) Use this option to set the maximum length of recorded messages for: • Automated Attendant callers leaving a message or Quick Message in a Subscriber Mailbox. • Outside callers transferred by an extension user to a Subscriber Mailbox.	120 seconds

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Item No.	Item	Input Data	Description	Default
05	**Message Backup/Go Ahead Time**	1 ~ 6015 seconds	(Msg Bkup/Adv Time) Use this option to set the backup/ go ahead time. This time sets how far InMail backs up when a user dials **B** while listening to a message. This interval also sets how far InMail jumps ahead when a user dials **G** while listening to a message.	5 seconds
07	**Digital Pager Callback Number**	**Digits** (12 maximum, using 0 ~ 9, **#** and∗) **M** (Number of messages - entered by pressing **LK1**) **X** (Extension number - entered by pressing **LK2**) InMail automatically replaces the X command with the number of the extension that initially received the message.	(Pager CBack) Use this option to set the Digital Pager Callback Number portion of the Message Notification callout number for a digital pager. This is the portion of the callout number that is appended to the pager service telephone number. Normally, this option should be X∗**M#**, where: • **X** is the number of the extension that generated the notification. • ∗ is a visual delimiter (to make the pager display easier to read). • **M** is the number of new messages in the extension mailbox. • **#** is the digit normally used by the pager service for positive disconnect.	X∗M**#**
08	**Delay in Dialing Digital Pager Callback Number**	0 ~ 99 seconds	(Pager Dial Delay) Use this option to set the delay (0 ~ 99 seconds) that occurs just before InMail dials the Digital Pager Callback Number portion of the Message Notification callout number for a digital pager. Set this delay so the pager service has enough time to connect to the digital pager before sending the callback number. Your pager service may be able to help you determine the best value for this option (0 ~ 99 seconds). By default, this option is 9 seconds. When placing a digital pager notification, the system: Seizes the trunk specified. Dials the user-entered notification number (in **Message** + **OP** + **N**). Waits the **47-01-08: Delay in Dialing Digital Pager Callback Number** interval. Dials the number entered in **47-01-07: Digital Pager Callback Number**. The system assumes that the notification number completes dialing approximately 4 seconds after trunk seizure. This means that, by default, the Digital Pager Callback Number is dialed into the pager service about 13 seconds after trunk seizure.	30 seconds
09	**Wait Between Digital Pager Callout Attempts**	1 ~ 255 minutes	(Notify Pager Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between unacknowledged or unanswered digital pager Message Notification callouts. (A subscriber acknowledges a digital pager notification by logging onto their mailbox.) After this time expires, InMail tries the callout again (for up to the number of times set in **47-01-14: Number of Callout Attempts**). If the system dials the callout number and the pager service is busy, it retries the number in one minute.	15 minutes

Program

47

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Program

47

Item No.	Item	Input Data	Description	Default
10	**Wait Between Non-Pager Callout At-tempts**	1 ~ 255 minutes	(Notify N-Pgr Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between non-pager Message Notification callouts in which the destination answers, says Hello, dials 1 to acknowledge and then enters the wrong security code.	20 minutes
11	**Wait Between Busy Non-Pager Callout At-tempts**	1 ~ 255 minutes	(Notify Busy Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes) after it dials a busy non-pager callout destination, before retrying the callout number.	15 minutes
12	**Wait Between RNA Non-Pager Callout At-tempts**	1 ~ 255 minutes	(Notify RNA Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes), after it dials an unanswered non-pager callout destination, before retrying the callout number. There are 3 types of unanswered non-pager callouts: • If the callout rings the destination longer than the 47-01-13: Wait for Answer Non-Pager Callout Attempts option. • If the destination answers, says Hello (or the system detects answer supervision) and then hangs up without dialing 1 to log onto their mailbox. This typically happens if someone unfamiliar with notification answers the callout, or if the callout is picked up by an answering machine. • If the destination answers and then hangs up without saying Hello. This typically happens if someone unfamiliar with the notification answers the callout (like the above example), or if the call is picked up by an answering machine with insufficient outgoing message volume.	30 minutes
13	**Number of RNA rings** (V1.5 Changed)	1 ~ 99 rings	If a non-pager callout rings the destination longer than this interval (1 ~ 99 rings), InMail marks the call as unanswered (Ring No Answer) and hangs up.	5 rings
14	**Number of Cascading Attempts** (V1.5 Changed)	1 ~ 99 rings	Use this option to set how many times (1 ~ 99 rings) InMail retries an incomplete Message Notification callout. This total includes unacknowledged callouts, callouts to a busy destination, and callouts to an unanswered destination. This option applies to pager and non-pager callouts.	1 ring
15	**Send Pager Callout Until Acknowledged**	0 = No (Disabled) 1 = Yes (Enabled)	(Retry Until Ack) When this option is enabled (1), InMail continues to retry a digital pager Message Notification callout until the notification is acknowledged. If this option is disabled (0), InMail retries a digital pager Message Notification the number of times specified in **47-01-14 Number of Callout Attempts**. This option does not apply to Message Notification callouts to telephone numbers. A digital pager notification is considered acknowledged when the recipient logs onto the mailbox.	0
16	**Name Format**	0 = First-Last 1 = Last-First	Specify if names are displayed in First-Last format or Last-First.	0

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Item No.	Item	Input Data	Description	Default
17	**InMail Port**	0 ~ 85 (V2.0 Changed)	When using V2.0 or higher software the In-Mail can be assigned to ports 85-100 and will not affect the total station and trunk ports. In addition when the SL1100 is de-faulted with an InMail CF mounted the In-Mail is automatically assigned to ports 85-100 and when a SL1100 is upgraded to V2.0 or higher software the InMail ports can be moved to 85-100. The first port of InMail must start with one of the following ports: 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 79, 81, 85. Only able to set 61~85 with V2.0 or higher	0
18	**Play PAD Control**	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32
19	**Record PAD Control (for Networking)**	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32

Program

47

Conditions

• When changing 47-01-01 or 47-01-02, a system reset is required for the new setting to take effect.

Feature Cross Reference

None

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Program 47 : InMail

47-02 : InMail Station Mailbox Options

Level:
IN

Description

Use **Program 47-02 : InMail Station Mailbox Options** to set up a station/extension mailbox. Station mailboxes are automatically assigned as Subscriber Mailboxes. Normally, InMail Station Mailbox numbers 1 ~ 64 should correspond to extensions 101-164.

🖉 *Station Mailboxes are one of three mailbox categories: Station, Routing, or Master. You can also set up Master Mailboxes as Subscriber Mailboxes.*

Program

47

Input Data

Station Mailbox Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**Mailbox Type**	0 = None 1 = Personal 2 = Group	Use this option to enable or disable the mailbox. An extension mailbox is not accessible when it is disabled (even though its stored messages and configuration are retained in memory.) If disabled, a user pressing **Message** initiates a remote logon and is asked to enter their mailbox number. A voice prompt then announces: "That mailbox does not exist." To make programming easier, consider associating a mailbox number with a station port. For example, mailbox 1 could correspond to port 1, which in turn corresponds to extension 101.	Mailbox 1 ~ 64 : 1 Mailbox 65 ~ : 0
02	**Mailbox Number**	**Up to eight digits**	Use this option to select the extension number associated with the mailbox you are programming. Normally, mailbox 1 should use Mailbox Number 101, mailbox 2 should use Mailbox Number 201, 101 etc. To make programming easier, consider associating a mailbox number with a station port. For example, mailbox 1 could correspond to port 1, which in turn corresponds to extension 101.	Mailbox 1 = 101 Mailbox 2 ~ 64 = 102 ~ 164 Mailbox 65 ~ = No Setting
03	**Number of Messages**	0 ~ 99 messages To conserve storage space, enter 0 for all unused mailboxes.	Use this option to set the maximum number of messages that can be left in the Subscriber Mailbox. If a caller tries to leave a message after this limit is reached, they hear : "That mailbox is full." InMail then hangs up.	Mailbox 1 = 99 Mailbox 2 ~ = 20
04	**Message Playback Order**	0 (FIFO = first-in/ first-out, or oldest messages first). 1 (LIFO = last-in/ first-out, or newest messages first)	Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, InMail can play the oldest messages first (first-in/first-out, or FIFO), or the newest messages first (last-in/first-out, or LIFO).	0

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Item No.	Item	Input Data	Description	Default
05	**Auto Erase/Save of Messages**	0 = Erase After the subscriber listens to the entire new message and hangs up, InMail erases the message. 1 = Save After the subscriber listens to the entire new message and hangs up, InMail saves the message.	Use this option to determine what happens when a Subscriber Mailbox user completely listens to a new message and then exits the mailbox without either saving (**SA**) or erasing (**E**) the message. Depending on the setting of this option, InMail either automatically saves or erases the message. If the mailbox user hangs up before listening to the entire new message, InMail retains the message as a new message.	1
06	**Message Retention**	0 ~ 99 Days (0 = Indefinite)	Use this option to determine how long a Subscriber Mailbox retains held and saved messages. If a message is left in a Subscriber Mailbox longer than this interval, InMail deletes it.	0
07	**Recording Conversation Beep**	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conversation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Record beep. This beep repeats according to the setting of **Program 45-01-06 : Voice Mail Integration Options : Record Alert Tone Interval Time** (0 ~ 64800 seconds). To disable the Conversation Record beep, enter 0 for this option.	1
08	**Message Waiting Lamp**	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Message Waiting lamping at the extension associated with the Subscriber mailbox. For Subscriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
09	**Auto Attendant Direct to Voice Mail**	0 = No (Disabled) 1 = Yes (Enabled)	(Auto-ATT DND) Use this option to enable or disable Auto Attendant Do Not Disturb. When a subscriber enables Auto Attendant Do Not Disturb, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attendant Do Not Disturb while recording their mailbox greeting.	0

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Program

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Item No.	Item	Input Data	Description	Default
10	**Forced Unscreened Transfer**	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Automated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If enabled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0
11	**Auto Time Stamp**	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message InMail announces the time and date the message was left. Auto Time Stamp also announces the message sender (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
12	**System Administrator**	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to designate the Subscriber Mailbox as a System Administrator. This allows the subscriber to use the **SA** options after logging onto their mailbox.	Mailbox 1 (200) = 1 Mailbox 2 ~= 0
13	**Dialing Option**	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Subscriber Mailbox to leave a message can dial any of the options in the Next Call Routing Mailbox Dial Action Table. If disabled, the caller can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
14	**Next Call Routing Mailbox**	Call Routing Mailbox Number (1 ~ 3 digits, 00 ~ 32) (00 = Undefined) No entry (Entered by pressing CLEAR)	(Next CR Mbox) Use this option to assign a Next Call Routing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depend on the setting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox options.	1
15	**Directory List Number**	0 = None 1 ~ 8 = List Number ∗ = All		0
16	**Voice Prompt Language**	Refer to .		Station Mailbox Number 1
17	**Enable Paging**	0 = No (Disabled) 1 = Yes (Enabled)		0
18	**Paging Option**	0 = RNA 1 = Immediately		0
19	**Telephone User Interface Type**	0 = Numeric 1 = Mnemonic		0
20	**Enable E-mail Notification**	0 = No 1 = Yes		0
21	**E-mail Address**	Up to 48 characters		No Setting
22	**Include Message as Attachment**	0 = No 1 = Yes		1
23	**All Message Notification Enabled**	0 = No 1 = Yes		1

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Item No.	Item	Input Data	Description	Default
24	**All Find-Me Follow-Me Enabled**	0 = No 1 = Yes		0
25	**Security Code Option**	0 = Always 1 = Remote Logon only		0
26	**Auto Play** (V1.5 Added)	0 = Disabled 1 = Enable		0
27	**Email message Save/ Delete Option** (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0

Table 2-9 47-02-16 Default Table

Item	Name	Input Data
47-02-16	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Program

47

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-03 : InMail Group Mailbox Options

Level:
IN

Program

47

Description

Use **Program 47-03 : InMail Group Mailbox Options** to set up the 32 Group Mailboxes (01 ~ 32). A Group Mailbox is used for Department Group overflow and can be a Subscriber or Call Routing.

Input Data

Group Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
02	**Mailbox Number**	Up to eight digits No setting (entered by pressing **Hold**)	(Mailbox Number) The Group Mailbox Number is the same as the Department Group master (pilot) number. Use this option to select the Department Group master (pilot) number associated with the Group Mailbox you are programming.	No Setting
03	**Mailbox Type**	0 = None 1 = Subscriber 2 = Routing	(Mailbox Type) Use this option to set the Group Mailbox type. There are three types of InMail mailboxes : None (0), Subscriber (1) and Routing (2).	1
03	**Routing Mailbox Number**	01 ~ 32		1

Conditions

None

Feature Cross Reference

None

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Program 47 : InMail

47-06 : Group Mailbox Subscriber Options

Level:

IN

Description

Use **Program 47-06 : Group Mailbox Subscriber Options** to set up a Master Mailbox assigned as a Subscriber Mailbox in 47-03-03 : Master Mailbox Type.

Input Data

Group Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**Number of Messages**	00 ~ 99 messages To conserve storage space, enter 0 for all unused mailboxes.	Use this option to set the maximum number of messages that can be left in the Subscriber Mailbox. If a caller tries to leave a message after this limit is reached, they hear, "That mailbox is full." InMail then hangs up.	20
02	**Message Playback Order**	0 (FIFO = first-in/ first-out, or oldest messages first). 1 (LIFO = last-in/ first-out, or newest messages first).	Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, InMail can play the oldest messages first (first-in/first-out, or FIFO), or the newest messages first (last-in/first-out, or LIFO).	0
03	**Auto Erase/Save of Messages**	0 = Erase After the subscriber listens to the entire new message and hangs up, InMail erases the message. 1 = Save After the subscriber listens to the entire new message and hangs up, InMail saves the message.	Use this option to determine what happens when a Subscriber Mailbox user completely listens to a new message and then exits the mailbox without either saving (**SA**) or erasing (**E**) the message. Depending on the setting of this option, InMail either automatically saves or erases the message. If the mailbox user hangs up before listening to the entire new message, InMail retains the message as a new message.	1
04	**Message Retention**	0 ~ 90 days (0 = Indefinite)	Use this option to determine how long a Subscriber Mailbox retains held and saved messages. If a message is left in a Subscriber Mailbox longer than this interval, InMail deletes it.	0

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Program

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Item No.	Item	Input Data	Description	Default
05	**Recording Conversation Beep**	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conversation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Record beep. This beep repeats according to the setting of **Program 45-01-06 : Voice Mail Integration Options :** Record Alert Tone Interval Time (0 ~ 64800 seconds). To disable Conversation Record beep, enter 0 for this option.	1
06	**Message Waiting Lamp**	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Message Waiting light at the extension associated with the Subscriber mailbox. For Subscriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
07	**Auto Attendant Direct to Voice Mail**	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Attendant Direct to VM. When a subscriber enables Auto Attendant Direct to VM, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attendant Direct to VM while recording their mailbox greeting.	0
08	**Forced Unscreened Transfer**	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Automated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If enabled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0
09	**Auto Time Stamp**	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message InMail announces the time and date the message was left. Auto Time Stamp also announces the message sender (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
10	**System Administrator**	0 = No (Disabled) 1 = Yes (Enabled)	(System Admin) Use this option to designate the Subscriber Mailbox as a System Administrator. This allows the subscriber to use the options after logging onto their mailbox.	0

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Item No.	Item	Input Data	Description	Default
11	**Dialing Option**	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Subscriber Mailbox to leave a message can dial any option in the Next Call Routing Mailbox Dial Action Table. If disabled, the caller can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
12	**Next Call Routing Mailbox**	0 ~ 32 (0 = Undefined)	(Next CR Mbox) Use this option to assign a Next Call Routing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depends on the setting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox options.	1 (Call Routing Mailbox 01) By default, Call Routing Mailbox numbers are 01 = 16.
13	**Directory List Number**	0 = None 1 ~ 8 = List Number ∗ = All	Specify the Directory List number to which the Group Mailbox belongs.	0
14	**Voice Prompt Language**	Refer to Table 2-10 47-06-14 Default Table on page 2-406.		1
15	**Enable Paging**	0 = No 1 = Yes		0
16	**Paging Option**	0 = RNA 1 = Immediate		0
17	**Telephone User Interface**	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0
18	**Enable Email Notification**	0 = No 1 = Yes		0
19	**Email Address**	Up to 48 characters		No Setting
20	**Include Msg as Attachment**	0 = No 1 = Yes		1
21	**All Message Notification Enabled**	0 = No 1 = Yes		1
22	**All Find-Me Follow-Me Enabled**	0 = No 1 = Yes		0
23	**Security Code Option**	0 = Always 1 = Remote Logon only		0
24	**Auto Play** (V1.5 Added)	0 = Disabled 1 = Enabled		0
25	**Email message Save / Delete Option** (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0

Program

47

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Table 2-10 47-06-14 Default Table

Item	Name	Input Data
47-06-14	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Program

47

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-07 : InMail Routing Mailbox Options

Program

47

Description

Use **Program 47-07 : InMail Routing Mailbox Options** to set up the 32 Routing Mailboxes. Routing Mailboxes can be either Announcement or Call Routing Mailboxes.

Input Data

Routing Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
02	**Routing Mailbox Type**	0 = None 1 = Call Routing 2 = Announcement 3 = Directory 4 = Distribution	(Mailbox Type) Use this option to set the Routing Mailbox type.	Mailboxes 01 ~ 08 = 1 (Call Routing) Mailboxes 09 ~ 32 = 2 (Announcement)
03	**Prompt Language**	Refer to Table 2-11 47-07-03 Default Table on page 2-408.		1
04	**Telephone User Interface**	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0

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Table 2-11 47-07-03 Default Table

Item	Name	Input Data
47-07-03	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Program

47

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-08 : Call Routing Mailbox Options

Description

Use **Program 47-08 : Call Routing Mailbox Options** to set the options for mailboxes assigned as Call Routing Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

Routing Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**Dial Action Table**	1 ~ 16 (Dial Action Table 1 ~ 16)	Use this option to assign the Dial Action Table to the Call Routing Mailbox. The Dial Action Table defines the dialing options for the call Routing Mailbox.	1 (Dial Action Table 1)
02	**Screened Transfer Timeout**	0 ~ 255 seconds Entering 0 causes immediate recall.	(Scrn Trf Timeout) Use this option to set how long a Screened Transfer (TRF) from the Automated Attendant rings an unanswered extension before recalling. This option has a similar function as Customize: Mailbox Options: Call Routing: [Call Handling] Options: Delay Rings Before Redirect Transfer in InMail.	15 seconds
03	**Time Limit for Dialing Commands**	0 ~ 99 seconds Entering 0 causes the Automated Attendant to immediately route callers to the Timeout destination programmed in the active Dial Action Table.	(Dialing Timeout) This option determines how long InMail waits for an Automated Attendant caller to dial before routing the call to the Timeout destination. Be sure your Dial Action Tables have a Timeout action programmed. If the caller waits too long to dial: When the associated Dial Action Table has a Timeout action programmed, the caller routes to that destination. When the associated Dial Action Table does not have a Timeout action programmed, the Instruction Menu repeats three times and then InMail hangs up.	5 seconds
04	**Fax Detection**	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Fax Detection for the Call Routing Mailbox. In enabled, the InMail Automated Attendant (when using this Call Routing Mailbox) detects incoming fax CNG tone. The fax call then routes to the company fax machine according to the setting of 47-01-06 : Fax Extension. If disabled, the Automated Attendant does not detect incoming fax calls.	0
05	**Fax Extension**	Up to eight digits		No Setting

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Conditions

None

Feature Cross Reference

None

Program

47

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Program 47 : InMail

47-09 : Announcement Mailbox Options

Level:
IN

Program

47

Description

Use **Program 47-09 : Announcement Mailbox Options** to set the options for mailboxes assigned as Announcement Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

Routing Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**Next Call Routing Mailbox**	Call Routing Mailbox Number (01 ~ 32) Next Call Routing Mailbox 00 ~ 32 00 = Undefined	(Next CR Mbox) If you set up an Announcement Mailbox to answer Automated Attendant calls, use this option to provide additional routing options to the Automated Attendant callers. This option interacts with Repeat Count and Hang Up After below. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0
02	**Repeat Count**	0 ~ 10 (Announcement repeats 1 ~ 10 times) (0 = No Repeats)	Enter the number of times you want the Announcement Mailbox message to repeat to callers. After an Announcement Mailbox caller initially listens to the message, it repeats the number of times specified in this option. This option interacts with Next Call Routing Mailbox and Hang Up After when providing routing options. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0
03	**Hang Up After**	0 = None 1 = Goodbye 2 = Silent	(HangUp) Use this option along with Next Call Routing Mailbox and Repeat Count above to provide additional routing options to Automated Attendant callers. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0

Conditions

None

DFW Phone 972-992-4600

Feature Cross Reference

None

Program

47

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Program 47 : InMail

47-10 : InMail Trunk Options

Level:
IN

Description

Use **Program 47-10 : InMail Trunk Options** to assign InMail options for each trunk. Currently, only 47-10-01 : Answer Table Assignment is available.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**Answer Table Assignment**	Answer Table (1 ~ 8)	(Answer Table) Use this option to assign an InMail Answer Table to each Direct Inward Line (DIL) the Automated Attendant should answer. The Automated Attendant follows the routing specified by the selected Answer Table.	1
02	**Record PAD Control**	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32
03	**Voice Prompt Language**	Refer to Table 2-12 47-10-03 Default Table on page 2-414.		1
04	**Telephone User Interface**	0 = Numeric interface 1 = Mnemonic interface		0

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Table 2-12 47-10-03 Default Table

Item	Name	Input Data
47-10-03	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Program

47

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-11 : InMail Answer Table Options

Level:
IN

Description

Use **Program 47-11 : InMail Answer Table Options** to set options for the Answer Tables. InMail provides eight Answer Tables (1 ~ 8). To set up the schedules for each Answer Table, go to 47-12 : InMail Answer Table Schedule.

Input Data

Answer Table Number	1 ~ 8

Item No.	Item	Input Data	Description	Default
01	**Answer Schedule Override** (Schedule Override) Use this option to enable or disable Answer Schedule Override for the selected Answer Table. If enabled (and you make an entry for Override Mailbox below), the active Answer Table routes calls to the Override Mailbox.	0 = No (Disabled) 1 = Yes (Enabled)		0

Program

47

Item No.	Item	Input Data	Description	Default
02	**Override Mailbox Category** (Override MB Ctg) Use this option to specify the category of the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. • If the Override Mailbox is a **Subscriber Mailbox**, the outside caller hears the mailbox greeting (if recorded) and can leave a message. • If the Override Mailbox is a **Master Mailbox**, the outside caller shears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. • If the Override Mailbox is a **Routing Mailbox**, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table. 🖉 *If any of the Input Data values are entered, the terminal displays the* **Override Mailbox Number** *selection (below).*	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : In-Mail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In-Mail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In-Mail Routing Mailbox Options on page 2-407>	0
	Override Mailbox Number (Override MB Num) Use this option to specify the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. The mailbox number you select in this option should match the mailbox category specified in **47-11-02 : Override Mailbox Category** above.	Up to 3 digits (using 0 ~ 9)	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : In-Mail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In-Mail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In-Mail Routing Mailbox Options on page 2-407>	No setting

Item No.	Item	Input Data	Description	Default
03	**Default Mailbox Category**(Default MB Ctg) Use this option to specify the category of mailbox used as the Default Mailbox. • If the Default Mailbox is a **Subscriber Mailbox**, the outside caller hears the mailbox greeting (if recorded) and can leave a message. • If the Default Mailbox is a **Master Mailbox**, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. • If the Default Mailbox is a **Routing Mailbox**, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table. *If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below). If any of the Input Data values are entered, the terminal displays the* **Override Mailbox Number** *selection (below).*	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : In-Mail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In-Mail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In-Mail Routing Mailbox Options on page 2-407>	Answer Table 1 = 3 Answer Table 2 ~ 8 = 0
	Default Mailbox Number (Default MB Num) Use this option to set the Answer Table Default Mailbox number. InMail uses the Default Mailbox when an Answer Schedule is not in effect. By default, this occurs at all times other than Monday through Friday from 8:30 AM to 5:00 PM.	Up to 3 digits (using 0 ~ 9)	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : In-Mail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In-Mail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In-Mail Routing Mailbox Options on page 2-407>	Answer Table 1 = 1 Answer Table 2 ~ 8 = No setting
04	**Next Answer Table** When 10 Answer Schedules in an Answer Table are not sufficient, use this option to link two Answer Tables together. InMail treats the two linked tables as a single 20 entry Answer Table.	Answer Table (0 ~ 8) 0 = Undefined		0

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-12 : InMail Answer Schedules

Level:
IN

Program

47

Description

Use **Program 47-12 : InMail Answer Schedules** to set up the InMail Automated Attendant Answer Schedules. There are eight Answer Tables, with up to 10 Answer Schedules in each Answer Table.

Input Data

Answer Table Number	1 ~ 8

Schedule Entry Number	1 ~ 10

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Item No.	Item	Input Data	Default	Description
01	**Schedule Type**	0 = Undefined 1 = Day of the Week 2 = Range of Days 3 = Date	Answer Table 1/ Schedule 1 = 2 All other schedules = 0	(Entryxx Schedule Type) Use this option to assign a Schedule Type to the selected Answer Schedule. The Schedule Type determines how the Answer Schedule answers calls. The schedule can be one of the following types: • **1. Day of the Week** A Type 1 Answer Schedule runs on a specific day of the week. For this type of schedule, you select: - The day of the week the schedule should run: - The schedule start time. - The schedule end time. - The Call Routing or Announcement Mailbox used to answer calls. • **2. Range of Days** A Type 2 Answer Schedule runs for a range of days. For this type of schedule, you select: - The day of the week the schedule should start. - The day of the week the schedule should stop. - The time on the start day the schedule should start. - The time on the stop day the schedule should stop. - The Call Routing or Announcement Mailbox used to answer the calls. • **3. Date** A type 3 Answer Schedule runs only on a specific day of the year. For this type of schedule, you select: - The specific date the schedule should run. - On the selected date, the time the schedule should start. - On the selected date, the time the schedule should stop. - The Call Routing or Announcement Mailbox used to answer the calls.

Program

47

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Item No.	Item	Input Data	Default	Description
02	**Answering Mailbox Category** (Entryxx MB Ctg) Use this option to specify the category of mailbox to which Automated Attendant calls should route when the schedule is in effect. If the Answering Mailbox is a **Subscriber Mailbox**, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Answering Mailbox is a **Master Mailbox**, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Answering Mailbox is a **Routing Mailbox**, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table.	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Answer Table 1/ Schedule 1 = 3 All Other Schedules = 0	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : InMail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options on page 2-407>
	Answering Mailbox Number (Entryxx MB Num) Use this option to set the number of the Answering Mailbox the Automated Attendant uses when the selected schedule is in effect. This mailbox is defined in 47-12-02 : Answering Mailbox Category.	Up to 3 digits (using 0 ~ 9)	Answer Table 1/ Schedule 1 = 1 All Other Answer Schedules = No setting	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : InMail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-402> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options on page 2-407>
03	**Day of the Week** (Entryxx Day) For Day of the Week (Type 1) Answer Schedules, use this option to select the day of the week the Answer Schedule should be active.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	All Schedules = 1	
04	**Start Day** (Entryxx Start Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should start.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 2 All Other Schedules = 1	
05	**End Day** (Entryxx End Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should end.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 6 All Other Answer Schedules = 1	

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Item No.	Item	Input Data	Default	Description
06	**Date** (Entryxx Date) For Date (Type 3) Answer Schedules, use this option to select the date the Answer Schedule should be active.	MMDD For example : - 0101 = January 1 - 1231 = December 31 (0000 = Undefined)	All Schedule = 0000	
07	**Schedule Start Time** (Entryxx Start Time) Use this option to specify the time the Answer Schedule should start. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 0830 All other schedules are 0000.	
08	**Schedule End Time** (Entryxx End Time) Use this option to specify the time the Answer Schedule should end. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 1700 All Other Schedules = 0000	

Program

47

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 47 : InMail

47-13 : InMail Dial Action Tables

Level:
IN

Description

Use **Program 47-13 : InMail Dial Action Tables** to set up the InMail Dial Action Tables. The Dial Action Table defines the options than an Automated Attendant caller can dial. A Dial Action Table is associated with a Call Routing Mailbox, which is in turn associated with an Answer Table. When an Answer Table is active, its associated Call Routing Mailbox selects the Dial Action Table which provides dialing options to callers. The illustration below shows how this works in a default InMail system. There are 16 Dial Action Tables.

Input Data

Dial Action Table Number	01 ~ 16

Key Number	0 ~ 9, $*$, #, TIMEOUT

Program

47

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Item No.	Name	Input Data	Description
01	Action	0 = UND (Undefined) 1 = TRF (Transfer) 2 = UTRF (Unscreened Transfer) 3 = REC1 4 = REC2 5 = LOGON 6 = Hang Up 7 = GOTO	• TRF Action - Screened Transfer (1) (TRF) • UTRF Action - Unscreened Transfer (2) (UTRF) • REC1 Action - Quick Message With Greeting (3) (REC1) • REC2 Action - Quick Message Without Greeting (4) (REC2) • LOGON Action - Log Onto Voice Mail (5) (LOGON) • Hang Up Action (6) (HNGUP) • GOTO Action - Go to Mailbox (7) (GOTO) • UND Action - Undefined Routing (0) (UND)
	Data	Up to 8 digits (0 ~ 9, *, #) X = Caller Dialed Digits I = Ignore Digits N = No Routing P = Pause	• **Digits** Entry : 0 ~ 9, #, and * (8 digits max.) Use Dial Action Table digits to route an Automated Attendant call to a specific location (such as an extension). For example, to set up a TRF Action to route to extension 305, for 3 enter TRF for the Action and 305 for the corresponding Number. • **Caller Dialed Digits** Entry : **X**(Entered by pressing LK2) Use the X option to route an Automated Attendant call based on digits the caller dials. Each X entry represents one caller dialed digit. For example, to set up a TRF Action to route to any caller dialed extension in the 301 ~ 399 range, for 3 enter TRF for the Action and XXX for the corresponding Number. • **Ignore Digits** Entry : **I**(Entered by pressing LK3) Use the I option to represent any digit dialed by the Automated Attendant caller that PZ-VM21 InMail ignores for routing. An example of this is REC action assigned to the * key in Dial Action Table 1 by default. The Action is REC2 and the Number is IXXX. This means that a caller can dial * + any mailbox number to leave a Quick Message in that mailbox. InMail ignores the first digit dialed by the caller (*), and routes according to the next 3 digits dialed. • **No Routing** Entry : **N**(Entered by pressing LK1) Use the N option when you want no Automated Attendant routing to automatically occur. This can be used with the LOGON action when you want to prompt the caller to enter a mailbox number. To do this for the # key (for example), for the # key enter LOGON for the Action and N for the corresponding Number. When the caller dials #, they hear, Please enter the mailbox number. Or, to exit, press the pound key. • **Pause** Entry : **P**(Entered by pressing LK4) Use the P option when you want the Automated Attendant to pause while dialing.

Defaults

<table>
<tr><th colspan="5">Dial Action Table Default Settings</th></tr>
<tr><th rowspan="2">Key</th><th colspan="2">Dial Action Table 1</th><th colspan="2">Dial Action Table 2 ~ 16</th></tr>
<tr><th>Action</th><th>Data</th><th>Action</th><th>Data</th></tr>
<tr><td>1</td><td>2 (UTRF)</td><td>XXX</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>2</td><td>0 (UND)</td><td>0</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>3</td><td>2 (UTRF)</td><td>XXXX</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>4</td><td>0 (UND)</td><td>0</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>5</td><td>0 (UND)</td><td>0</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>6</td><td>0 (UND)</td><td>0</td><td>0 (UND)</td><td>0</td></tr>
<tr><td>7</td><td>0 (UND)</td><td>0</td><td>0 (UND)</td><td>0</td></tr>
</table>

Program

47

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Dial Action Table Default Settings				
Key	Dial Action Table 1		Dial Action Table 2 ~ 16	
	Action	Data	Action	Data
8	0 (UND)	0	0 (UND)	0
9	6 (Hang Up)	0	0 (UND)	0
0	2 (UTRF)	101	0 (UND)	0
∗	3 (REC1)	IXXX	0 (UND)	0
#	5 (LOGON)	IXXX	0 (UND)	0
TIMEOUT	2 (UTRF)	101	0 (UND)	0

Program

47

🖉 *TIMEOUT provides the routing for rotary dial callers.*

Note
If Action is set 0 or 6 skip Data setting. "XXX"= change as it fit The "Data" data needs to follow these rules below. 0 (UND) = none 1 (TRF) = dial data (any), X, I, N, or P 2 (UTRF) = dial data (any), X, I, N, or P 3 (REC1) = mailbox number (subscriber or group) 4 (REC2) = mailbox number (subscriber or group) 5 (LOGON) = mailbox number (subscriber or group) 6 (HANGUP) = none 7 (GOTO) = routing mailbox number index (1 ~ 32) Otherwise it will not be routed properly.

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 47 : InMail

47-15 : Routing Directory Mailbox Options

Level:
IN

Program

47

Description

Use **Program 47-15 : Routing Directory Mailbox Options** to define the Routing Directory Mailbox Options. This data is referred if Program 47-07-02 (Routing Master Mailbox Type) was set to Type 4 (Directory).

Input Data

Master Mailbox Number	01 ~ 32

Item No.	Item	Input Data	Default
01	**Minimum Number of Letters Required**	1 ~ 3	1
02	**Directory List Number to Use**	1 ~ 8	1
03	**Name Match**	0 = First 1 = Last	0
04	**Transfer Option**	0 = TRF 1 = UTRF	0
05	**Screened Transfer Timeout**	0 ~ 255	15
06	**Time Limit for Dialing Commands**	0 ~ 99	5
07	**Fax Detection**	0 = Disable 1 = Enable	0
08	**Next Call Routing Mailbox**	0 ~ 32	0
09	**Fax Extension**	Up to eight digits	No Setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 47 : InMail

47-17 : Routing Distribution Mailbox Options

Level:
IN

Program

47

Description

Use **Program 47-17 : Routing Distribution Mailbox Options** to assign data when Program 47-07-02 is set to 4 (Distribution).

Input Data

Routing Mailbox Number	01 ~ 32

Entry Number	01 ~ 20

Item No.	Item	Input Data	Description	Default
01	**Distribution Mailbox Category** Use Undefined (0) to skip Mailbox Number setting. Use Station Mailbox (1) for setting Mailbox Number to 1 ~ 84 (Program 47-02). Use Group Number (2) for setting Group Mailbox (1 ~ 32) (Program 47-03).	0 = Undefined 1 = Station Mailbox 2 = Group Mailbox	Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : InMail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-402>	0
	Distribution Mailbox Number	Up to 3 digits	Category 1 = Mailbox No. should be 1 ~ 84. refer to <47-02 : InMail Station Mailbox Options on page 2-398> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-402>	No Setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 47 : InMail

47-18 : InMail SMTP Setup

Description

Use **Program 47-18 InMail SMTP Setup** to set the SNMP e-mail notification.

Input Data

Item No.	Item	Input Data	Default
01	**SMTP Enabled**	0 = No 1 = Yes	0
02	**Server Name**	Up to 48 characters	No Setting
03	**SMTP Port**	0 ~ 65535	25
04	**Encryption**	0 = No 1 = Yes	0
05	**Authentication**	0 = No 1 = Yes 2 = POP3	0
06	**User Name**	Up to 48 characters	No Setting
07	**Password**	Up to 48 characters	No Setting
08	**E-mail Address**	Up to 48 characters	No Setting
09	**Reply to Address**	Up to 48 characters	No Setting

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-19 : InMail POP3 Setup

Level:
IN

Program

47

Description

Use **Program 47-19 : InMail POP3 Setup** to set the InMail e-mail notification.

Input Data

Item No.	Item	Input Data	Default
01	**Server Name**	Up to 48 characters	No Setting
02	**POP3 Port**	0 ~ 65535	110
03	**Encryption**	0 = No 1 = Yes	0
04	**User Name**	Up to 48 characters	No Setting
05	**Password**	Up to 48 characters	No Setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 47 : InMail

47-20 : Station Mailbox Message Notification Options

Level:
IN

Description

Use **Program 47-20 : Station Mailbox Message Notification Options** to define the IntraMail Station Mailbox Message Notification Options.

Input Data

Station Mailbox Number	001 ~ 084

Index Number	1 ~ 5

Item No.	Item	Input Data	Default
01	**Notification**	0 = Off 1 = On	0
02	**Notification Begin Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	**Notification End Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	**Notification Type**	0 = Undefined 1 = Voice 2 = Pager	1
05	**Notification Number**	Up to 16 digits	No Setting
06	**Notification Busy Attempts**	1 ~ 99 (attempts)	5
07	**Notification RNA Attempts**	1 ~ 99 (attempts)	5
08	**Notification Security**	0 = Off 1 = On	1
09	**Notification Day of week - Sunday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	**Notification Day of week - Monday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	**Notification Day of week - Tuesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	**Notification Day of week - Wednesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	**Notification Day of week - Thursday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	**Notification Day of week - Friday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	**Notification Day of week - Saturday** (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program

47

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<div align="right">

Program 47 : InMail

47-21 : Station Mailbox Find-Me Follow-Me Options

</div>

Level:
IN

Description

Use **Program 47-21 : Station Mailbox Find-Me Follow-Me Options** to define the IntraMail Station Mailbox Find-Me Follow-Me Options.

Input Data

Station Mailbox Number	001 ~ 084

Index Number	1 ~ 3

Item No.	Item	Input Data	Default
01	**Find-Me Follow-Me**	0 = Off 1 = On	0
02	**Find-Me Follow-Me Begin Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	**Find-Me Follow-Me End Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	**Find-Me Follow-Me Number**	Up to 16 digits	No Setting
05	**Find-Me Follow-Me Day of week - Sunday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
06	**Find-Me Follow-Me Day of week - Monday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
07	**Find-Me Follow-Me Day of week - Tuesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
08	**Find-Me Follow-Me Day of week - Wednesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
09	**Find-Me Follow-Me Day of week - Thursday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	**Find-Me Follow-Me Day of week - Friday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	**Find-Me Follow-Me Day of week - Saturday** (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

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Program 47 : InMail

47-22 : Group Mailbox Message Notification Options

Level:
IN

Program

47

Description

Use **Program 47-22 : Group Mailbox Message Notification Options** to define the IntraMail Group Mailbox Message Notification Options.

Input Data

Group Mailbox Number	01 ~ 32

Index Number	1 ~ 5

Item No.	Item	Input Data	Default
01	**Notification**	0 = Off 1 = On	0
02	**Notification Begin Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	**Notification End Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	**Notification Type**	0 = Undefined 1 = Voice 2 = Pager	1
05	**Notification Number**	Up to 16 digits	No Setting
06	**Notification Busy Attempts**	1 ~ 99 (attempts)	5
07	**Notification RNA Attempts**	1 ~ 99 (attempts)	5
08	**Notification Security**	0 = Off 1 = On	1
09	**Notification Day of week - Sunday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	**Notification Day of week - Monday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	**Notification Day of week - Tuesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	**Notification Day of week - Wednes-day** (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	**Notification Day of week - Thurs-day** (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	**Notification Day of week - Friday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	**Notification Day of week - Saturday** (V1.5 Added)	0 = Disabled 1 = Enabled	1

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Conditions

None

Feature Cross Reference

None

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Program 47 : InMail

47-23 : Group Mailbox Find-Me Follow-Me Options

Level:
IN

Program

47

Description

Use **Program 47-23 : Group Mailbox Find-Me Follow-Me Options** to define the IntraMail Group Mailbox Find-Me Follow-Me Options.

Input Data

Group Mailbox Number	01 ~ 32

Index Number	1 ~ 3

Item No.	Item	Input Data	Default
01	**Find-Me Follow-Me**	0 = Off 1 = On	0
02	**Find-Me Follow-Me Begin Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	**Find-Me Follow-Me End Hour**	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	**Find-Me Follow-Me Number**	Up to 16 digits	No Setting
05	**Find-Me Follow-Me Day of week - Sunday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
06	**Find-Me Follow-Me Day of week - Monday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
07	**Find-Me Follow-Me Day of week - Tuesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
08	**Find-Me Follow-Me Day of week - Wednesday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
09	**Find-Me Follow-Me Day of week - Thursday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	**Find-Me Follow-Me Day of week - Friday** (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	**Find-Me Follow-Me Day of week - Saturday** (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 80 : Basic Hardware Setup for System

80-01 : Service Tone Setup

Level:
IN

Description

Use **Program 80-01 : Service Tone Setup** to define up to 64 Service Tones. Each service tone is defined by the combination of 32 Basic Tones.

Input Data

Service Tone Number	01 ~ 64

Item No.	Item	Input Data	Default
01	**Repeat Count**	0 ~ 255 (0 = Endless)	Refer below

Unit Number	1 ~ 8

Item No.	Item	Input Data	Default
02	**Basic Tone Number**	0 ~ 33 (0 = No Tone) (33 = Default Time Slot)	Refer below
03	**Duration Count**	0 ~ 255 (0, 100 ~ 25500 ms)	Refer below
04	**Gain Level (dB)**	0 ~ 63 (- 15.5 ~ + 15.5)	Refer below

Table 2-13 Basic Tones

Basic Tone No.	Frequency (Hz)	Level (dB)
01	400	- 13
02	520	- 13
03	580	- 13
04	660	- 13
05	700	- 13
06	800	- 13
07	880	- 13
08	1050	- 13
09	350 / 440	- 16 / - 16
10	440 / 480	- 16 / - 16
11	480 / 620	- 21 / - 21
12	440	-16
13	-- Reserve --	-
14	520 / 650	-19 / -13

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Basic Tone No.	Frequency (Hz)	Level (dB)
15	650 / 780	-19 / -13
16	780 / 1040	-19 / -13
17	520 / 650	-13 / -19
18	650 / 780	-13 / -19
19	780 / 1040	-13 / -19
20	1040	-13
21	450	-13
22	950	-13
23	1800	-13
24	400 / 450	-13/-13
25	-- Reserve --	-
26	-- Reserve --	-
27	-- Reserve --	-
28	-- Reserve --	-
29	-- Reserve --	-
30	-- Reserve --	-
31	-- Reserve --	-
32	-- Reserve --	-

Program

80

Default

Serv- ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
1	No tone	0	1	0	10	32 (0 dB)
2	Internal Dial Tone	0	1	9	10	32 (0 dB)
3	Stutter Dial Tone (Special Dial Tone)	0	6	0 9 0 9 0 9	2 1 1 1 1 77	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
4	Internal Recall Dial Tone (Transfer Dial Tone)	2	2	9 0	1 1	32 (0 dB) 32 (0 dB)
5	Trunk Dial Tone	0	1	9	10	32 (0 dB)
6	Internal Busy Tone (Busy Tone)	0	2	0 11	5 5	20 (- 6 dB) 20 (- 6 dB)
7	DND Busy Tone	0	2	0 1	2 2	32 (0 dB) 32 (0 dB)
8	B-busy Tone	0	2	0 11	5 5	20 (- 6 dB) 20 (- 6 dB)
9	Internal Reorder Tone (Congestion Tone)	0	2	11 0	3 2	20 (- 6 dB) 20 (- 6 dB)
10	Internal Interrupt Tone (Warning Tone)	0	2	11 0	3 2	20 (- 6 dB) 20 (- 6 dB)
11	Internal Confirmation Tone (Confirmation Tone)	3	2	0 9	1 1	32 (0 dB) 32 (0 dB)
12	Internal Hold Tone	0	0	0	0	32 (0 dB)

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Serv-ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
13	External Hold Tone	0	0	0	0	32 (0 dB)
14	Internal Ring-back Tone (Internal Audible Ring) (Ring Back Tone)	0	2	10 0	10 30	20 (- 6 dB) 20 (- 6 dB)
15	Override Tone	1	1	12	5	32 (0 dB)
16	Lock-out Tone	0	2	0 6	1 1	32 (0 dB) 32 (0 dB)
17	Clock alarm tone	0	4	6 0 6 0	1 1 1 7	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
18	BGM	0	0	0	0	32 (0 dB)
19	Doorphone chime 1	3	6	4 4 2 2 2 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
20	Doorphone chime 2	3	6	7 7 5 5 5 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
21	Doorphone chime 3	3	6	8 8 6 6 6 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
22	Doorphone chime 4	3	6	4 4 2 2 2 0	1 1 2 2 3 2	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
23	Doorphone chime 5	3	6	7 7 5 5 5 0	1 1 2 2 3 2	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
24	Doorphone chime 6	3	6	8 8 6 6 6 0	1 1 2 2 3 2	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
25	Service Set Tone	3	2	0 9	1 1	32 (0 dB) 32 (0 dB)
26	Service Clear Tone	3	2	0 9	1 1	32 (0 dB) 32 (0 dB)
27	Talk-Back Tone	2	2	0 6	1 1	32 (0 dB) 32 (0 dB)
28	Speaker Monitor Tone	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)
29	Door Relay Tone	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)

Program

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Program

80

Serv-ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
30	Doorphone Call Tone	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)
31	Paging Tone	2	2	0 6	1 1	32 (0 dB) 32 (0 dB)
32	Splash Tone 1	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)
33	Splash Tone 2	2	2	0 6	1 1	32 (0 dB) 32 (0 dB)
34	Splash Tone 3	3	2	0 6	1 1	32 (0 dB) 32 (0 dB)
35	1 Sec Signal Tone	1	1	6	10	32 (0 dB)
36	External audible ring tone	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
37	External reorder tone	0	2	0 11	2 3	32 (0 dB) 32 (0 dB)
38	External busy tone	0	2	0 11	5 5	32 (0 dB) 32 (0 dB)
39	Special audible ring-busy tone	0	6	0 11 0 11 10 0	5 5 5 5 10 20	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
40	Internal Call Waiting Tone (Transfer, Call Waiting Tone)	1	1	12	2	32 (0 dB)
41	Intrusion tone	1	1	12	5	32 (0 dB)
42	Conference tone	0	0	0	0	32 (0 dB)
43	Intrusion tone 2	0	0	0	0	32 (0 dB)
44	External Dial Tone (DUD,DISA Dial Tone)	0	1	9	1	26 (- 3 dB)
45	External Ring Back Tone (Ring Tone DDI)	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
46	External Busy Tone (Busy Tone DDI)	0	2	0 11	5 5	32 (0 dB) 32 (0 dB)
47	Number unobtainable tone	0	1	11	0	32 (0 dB)
48	VM message indication tone	0	2	9 0	1 1	32 (0 dB) 32 (0 dB)
50	External special audible ring tone	0	3	10 12 0	10 2 30	32 (0 dB) 32 (0 dB) 32 (0 dB)
51	External intercept tone	0	2	12 4	3 2	32 (0 dB) 32 (0 dB)
52	External call waiting tone	1	1	12	3	32 (0 dB)
53	External executive override tone	1	1	12	10	32 (0 dB)
55	Generate tone for TAPI2.1	0	1	3	0	32 (0 dB)
56	Warning Beep Tone Signal-ing	1	1	2	8	32 (0 dB)

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Serv-ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
57	Headset Ear Piece Ringing Tone	0	5	0 2 0 2 0	2 1 1 1 20	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
58	Opening Chime tone	1	8	2 2 14 14 15 15 16 16	2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB)
59	Ending Chime tone	1	8	20 20 19 19 18 18 17 17	2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB)
60	Splash tone 1 (Mute)	1	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
61	Splash tone 2 (Mute)	2	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
62	Splash tone 3 (Mute)	3	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
63	EXT SPK Ring-back Tone	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
64	Special Hold Tone	0	4	11 0 11 0	2 3 2 12	35 (+ 1.5 dB) 32 (0 dB) 35 (+ 1.5 dB) 32 (0 dB)

Program

80

Conditions

• The system must be reset for any changes to these items to take affect.

Feature Cross Reference

• Selectable Ring Tones

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Program 80 : Basic Hardware Setup for System

80-02 : DTMF Tone Setup

Level:
MF

Description

Use **Program 80-02 : DTMF Tone Setup** to define the duration (On time) and pause (Off time) for DTMF dialing. This option affects all trunk line calls system wide. Make separate entries for duration and pause. It is also possible to adjust the level of both high and low frequency tone.

Input Data

Item No.	Item	Input Data	Default
01	**Duration**	1 ~ 255	5 (100 ms)
02	**Pause**	1 ~ 255	5 (100 ms)
03	**Tone Level (Low) (dB)**	1 ~ 97 (- 45.0 ~ 0 = + 3)	65 (- 13 dB)
04	**Tone Level (High)**	1 ~ 97 (- 45.0 ~ 0 = + 3)	69 (- 11 dB)

Duration

Pause

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-03 : DTMF Tone Receiver Setup

Level:
MF

Program

80

Description

Use **Program 80-03 : DTMF Tone Receiver Setup** to define the various levels and timers for the DTMF Tone Receiver.

DTMF Tone Receiver Type :
- 1 = DTMF Receiver for Extension
- 2 = DTMF Receiver for Trunk
- 3 ~ 5 = Reserved

Input Data

DTMF Tone Receiver Type Number	1 = DTMF Receiver for Extension 2 = DTMF Receiver for Trunk 3 = --- Reserved --- 4 = --- Reserved --- 5 = --- Reserved ---

Item No.	Item	Input Data	Default
01	**Detect Level**	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	**Start Delay Time**	0 ~ 255 (0.25 ms ~ 64 ms)	Refer below
03	**Min. Detect Level**	0 ~ 15 DTMF Tone 0 = - 10 dBm (0) to - 25 dBm (15) DTMF Tone 1 = - 15 dBm (0) to - 30 dBm (15) DTMF Tone 2 = - 20 dBm (0) to - 35 dBm (15) DTMF Tone 3 = - 25 dBm (0) to - 40 dBm (15) DTMF Tone 4 = - 30 dBm (0) to - 45 dBm (15) DTMF Tone 5 = - 35 dBm (0) to - 50 dBm (15) DTMF Tone 6 = - 40 dBm (0) to - 55 dBm (15)	Refer below
04	**Max. Detect Level**	0 ~ 15 DTMF Tone 0 = 0 dBm (0) to - 15 dBm (15) DTMF Tone 1 = - 5 dBm (0) to - 20 dBm (15) DTMF Tone 2 = - 10 dBm (0) to - 25 dBm (15) DTMF Tone 3 = - 15 dBm (0) to - 30 dBm (15) DTMF Tone 4 = - 20 dBm (0) to - 35 dBm (15) DTMF Tone 5 = - 25 dBm (0) to - 40 dBm (15) DTMF Tone 6 = - 30 dBm (0) to - 45 dBm (15)	Refer below
05	**Forward Twist Level**	0 ~ 9 (1 dB ~ 10 dB)	Refer below
06	**Backward Twist Level**	0 ~ 9 (1 dB ~ 10 dB)	Refer below
07	**ON Detect Time**	1 ~ 255 (15 + 15 ms ~ 3825 ms)	Refer below
08	**OFF Detect Time**	1 ~ 255 (15 + 15 ms ~ 3825 ms)	Refer below

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Item No.	Item	Input Data	Default
09	**Area Type**	0 = Other 1 = Aust	Refer below

Default

Item No	Item	Type 1	Type 2	Type 3	Type 4	Type 5
01	**Detect Level**	0	0	0	0	0
02	**Start delay time**	0	0	0	0	0
03	**Min. detect level**	10 (- 20 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	10 (- 20 dBm)	10 (- 20 dBm)
04	**Max. detect level**	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)
05	**Forward twist level**	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)
06	**Backward twist level**	0 (1 dBm)	0 (1 dBm)	0 (1 dBm)	0 (1 dBm)	0 (1 dBm)
07	**ON detect time**	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
08	**OFF detect time**	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
09	**Area Type**	0	0	0	0	0

Conditions

None

Feature Cross Reference

None

Program

80

Program 80 : Basic Hardware Setup for System

80-04 : Call Progress Tone Detector Setup

Level:
MF

Description

Use **Program 80-04 : Call Progress Tone Detector Setup** to define the various levels and timers for the Call Progress Tone Detector.

Tone Detector Type :
- 1 = Dial Tone for Trunk
- 2 = Busy Tone for Trunk
- 3 = Ring Back Tone for Trunk
- 4 = Special Busy Tone for Trunk
- 5 = Special Ring Back Tone for Trunk

Input Data

Tone Detector Type Number	1 = Dial Tone for Trunk 2 = Busy Tone for Trunk 3 = Ring Back Tone for Trunk 4 = Special Busy Tone for Trunk 5 = Special Ring Back Tone for Trunk

Item No.	Item	Input Data	Default
01	**Detection Level**	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	**Min. Detection Level**	0 ~ 15 0 = - 10 dBm (0) ~ - 25 dBm (15) 1 = - 15 dBm (0) ~ - 30 dBm (15) 2 = - 20 dBm (0) ~ - 35 dBm (15) 3 = - 25 dBm (0) ~ - 40 dBm (15) 4 = - 30 dBm (0) ~ - 45 dBm (15) 5 = - 35 dBm (0) ~ - 50 dBm (15) 6 = - 40 dBm (0) ~ - 55 dBm (15)	Refer below
03	**S/N Ratio**	0 ~ 4 (0 dB ~ - 20 dB)	Refer below
04	**No Tone Time**	0 ~ 255 (30 + 30 ~ 7680 ms) (0 = not detect) 1 ~ 255 = 60 ~ 7680 ms The formula is 30 + 30N When set to N = 1, it means 30 + 30 * 1 = 60. When set to N = 255, it means 30 + 30 * 255 = 7680.	Refer below
05	**Pulse Count**	1 ~ 255	Refer below
06	**ON Minimum Time**	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
07	**ON Maximum Time**	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below

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Item No.	Item	Input Data	Default
08	**OFF Minimum Time**	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
09	**OFF Maximum Time**	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
12	**Frequency No. 1**	1 ~ 8 (Frequency Table No. set by 80-07)	Refer below
13	**Frequency No. 2**	0 ~ 8 (0 = Not Used) (Frequency Table No. set by 80-07)	Refer below
14	**Twist Level**	0 ~ 10 (1 dB ~ 10 dB) (0 = Not Used)	Refer below

Program

80

Default

Item	Name	Type 1 (DT)	Type 2 (BT)	Type 3 (RBT)	Type 4	Type 5
1	Detect Level	0 (- 25 dBm)	0 (- 25 dBm)	0 (- 25 dBm)	0 (- 25 dBm)	0
2	Min. detect level	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	0	0
3	S/N ratio	4 (- 20 dB)	4 (- 20 dB)	4 (- 20 dB)	0	0
4	No tone time	132 (3990 ms)	132 (3990 ms)	132 (3990 ms)	0	0
5	Pulse Count	1	1	1	0	0
6	ON min. time	9 (300 ms)	12 (390 ms)	25 (780 ms)	0	0
7	ON max. time	0	20 (630 ms)	40 (1230ms)	0	0
8	OFF min. time	1 (60 ms)	12 (390 ms)	83 (2520 ms)	0	0
9	OFF max. time	1 (60 ms)	20 (630 ms)	115 (3480 ms)	0	0
12	Frequency No 1	1	3	2	1	1
13	Frequency No 2	2	4	3	0	0
14	Twist Level	0	0	0	0	0

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-05 : Date Format for SMDR and System

Level:
MF

Program

80

Description

Use **Program 80-05 : Date Format for SMDR and System** to define the date format when printing out the SMDR, alarm report, and system information report.

Input Data

Item No.	Item	Input Data	Default
01	**Date Format**	0 = American Format (Month / Day / Year) 1 = Japanese Format (Year / Month / Day) 2 = European Format (Day / Month / Year)	0

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-07 : Call Progress Tone Detector Frequency Setup

Level:
MF

Program

80

Description

Use **Program 80-07 : Call Progress Tone Detector Frequency Setup** to set the frequency of the detection tone set with Program 80-04-12 and Program 80-04-13.

Input Data

Frequency Table Number	1 ~ 8

Item No.	Item	Input Data	Default
01	**Frequency**	0, 10 ~ 255 (100 ~ 2550 Hz) (0 = Not used)	Frequency Table No. 1 = 35 (350 Hz) Frequency Table No. 2 = 44 (440 Hz) Frequency Table No. 3 = 48 (480 Hz) Frequency Table No. 4 = 62 (620 Hz) Frequency Table No. 5 = 0 Frequency Table No. 6 = 0 Frequency Table No. 7 = 0 Frequency Table No. 8 = 0

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-08 : MFC Tone Setup

Level:
IN

Program

80

Description

Use **Program 80-08 : MFC Tone Setup** to define the duration (On time) and pause (Off time) for MFC dialing. This option affects all trunk line calls system wide. And also it is possible to adjust the level of tone.

Input Data

Item No.	Item	Input Data	Default
01	**Duration (On time)**	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
02	**Pause (Off time)**	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
03	**Tone Level**	1 ~ 97 (- 45 dB ~ + 3 dB)	77 (- 7 dB)

Duration

Pause

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-09 : Short Ring Setup

Level:
IN

Program

80

Description

Use **Program 80-09 : Short Ring Setup** to define the short ring tone for SL1100 multiline terminals.

Input Data

Short Ring Number	01 ~ 32

Item No.	Item	Input Data	Description	Default
01	**Frequency 1**	00 = No setting, 01 ~ 15	Refer to Table 2-14 Frequency 1/2 Table on page 2-448.	Refer below
02	**Frequency 2**	00 = No setting, 01 ~ 15	Refer to Table 2-14 Frequency 1/2 Table on page 2-448.	Refer below
03	**Ring Cycle**	00 = No setting, 01 ~ 14	Refer to Table 2-15 Ring Cycle Table on page 2-449.	Refer below

🖉   *When a single tone is sent, Frequency 1/2 is set to the same value.*

Table 2-14 Frequency 1/2 Table

Data	Frequency (Hz)
01	392
02	440
03	494
04	523
05	587
06	659
07	698
08	784
09	880
10	988
11	1046
12	1175
13	1318
14	1397
15	1568

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Table 2-15 Ring Cycle Table

Data	Ring Cycle (ms)
01	125 (On) / Off
02	125 (On) / 125 (Off) / 125 (On) / Off
03	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
04	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
05	250 (On) / Off
06	250 (On) / 250 (Off) / 250 (On) / Off
07	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
08	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
09	325 (On) / Off
10	325 (On) / 325 (Off) / 325 (On) / Off
11	325 (On) / 325 (Off) / 325 (On) / 325 (Off) / 325 (On) / Off
12	500 (On) / Off
13	500 (On) / 500 (Off) / 500 (On) / Off
14	1000 (On) / Off

Program

80

Table 2-16 Default Table

Short Ring No.	Short Tone Name	Frequency 1	Frequency 2	Ring Cycle
1	Confirmation Tone	8	8	1
2	Error Tone	8	8	14
3	Alarm Tone for long conversation call	4	4	14
4	Not defined	0	0	0
:	:	:	:	:
32	Not defined	0	0	0

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-10 : MF Tone Receiver Setup

Level:
MF

Program

80

Description

Use **Program 80-10 : MF Tone Receiver Setup** to define the various level and time for MF Tone Receiver.

Input Data

MF Tone Receiver Type Number	1 = MF Receiver for Extension 2 = MF Receiver for Trunk 3 = -- Reserve -- 4 = -- Reserve -- 5 = -- Reserve --

Item No.	Item	Input Data	Default
01	**Detect Level**	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	**Start delay time**	0 ~ 255 (0.25 step, 0 ms ~ 64 ms)	Refer below
03	**Min. detect level**	0 ~ 15 detect level 0 = - 10 dBm (0) ~ - 25 dBm (15) detect level 1 = - 15 dBm (0) ~ - 30 dBm (15) detect level 2 = - 20 dBm (0) ~ - 35 dBm (15) detect level 3 = - 25 dBm (0) ~ - 40 dBm (15) detect level 4 = - 30 dBm (0) ~ - 45 dBm (15) detect level 5 = - 35 dBm (0) ~ - 50 dBm (15) detect level 6 = - 40 dBm (0) ~ - 55 dBm (15)	Refer below
04	**Max. detect level**	0 ~ 15 detect level 0 = 0 dBm (0) ~ - 15 dBm (15) detect level 1 = - 5 dBm (0) ~ - 20 dBm (15) detect level 2 = - 10 dBm (0) ~ - 25 dBm (15) detect level 3 = - 15 dBm (0) ~ - 30 dBm (15) detect level 4 = - 20 dBm (0) ~ - 35 dBm (15) detect level 5 = - 25 dBm (0) ~ - 40 dBm (15) detect level 6 = - 30 dBm (0) ~ - 45 dBm (15)	Refer below
05	**twist level**	0 ~ 9 (1 dB ~ 10 dB)	Refer below
06	**S/N ratio**	0 ~ 4 (- 5 step, 0 dB ~ - 20 dB)	Refer below
07	**ON detect time**	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below
08	**OFF detect time**	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below

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Default

Item No.	Item Name	Type 1	Type 2	Type 3	Type 4	Type 5
01	Detect Level	0	0	0	0	0
02	Start delay time	0	0	0	0	0
03	Min. detect level	10 (- 20 dBm)	10 (- 20 dBm)	10 (- 20 dBm)	10 (- 20 dBm)	10 (- 20 dBm)
04	Max. detect level	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)	2 (- 2 dBm)
05	twist level	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)
06	S/N ratio	2 (- 10 dBm)	2 (- 10 dBm)	2 (- 10 dBm)	2 (- 10 dBm)	2 (- 10 dBm)
07	ON detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
08	OFF detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)

Program

80

Conditions

None

Feature Cross Reference

None

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Program 80 : Basic Hardware Setup for System

80-12 : Caller ID Receiver Setup

Level:
IN

Program

80

Description

Use **Program 80-12 : Caller ID Receiver Setup** defines the type and level for Caller ID detection of DSP.

Input Data

Item No.	Item	Input Data	Default
01	**Type**	0 = NTT 1 = Other 2 = Korea	1
02	**Level (Mark)**	0 ~ 32766	50
03	**Level (Space)**	0 ~ 32766	50
04	**Bit Sampling Type**	0 = Other 1 = Malaysia	0
05	**1st Bit Offset**	0 ~ 32766	10
06	**Minimum Seizure Count**	0 ~ 32766	10
07	**Guard Time when Mark**	0 ~ 32766	1

Conditions

None

Feature Cross Reference

None

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Program 81 : Basic Hardware Setup for Trunk

81-01 : CO Initial Data Setup

Level:
IN

Program

81

Description

Use **Program 81-01 : CO Initial Data Setup** to define the various basic data parameters for the COIU.

Input Data

Item No.	Item	Input Data	Default
01	**PCM Encoding Method Specification**	0 = µ-law 1 = A-law	0 (µ-law)
02	**Loop Current Detection Time**	1 ~ 255 (10 ~ 2550 ms)	60 (600 ms)
03	**Clear Signal (Open Loop) Detection Time**	1 ~ 255 (5 ~ 1275 ms)	61 (305 ms)
04	**Ringing Signal Detection Minimum Time**	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
05	**Single Ringing Detection Minimum Time**	0 ~ 255 (0, 10 ~ 2550 ms)	66 (660 ms)
06	**Double Ringing Detection Minimum Off Time**	0 ~ 255 (0, 10 ~ 2550 ms)	10 (100 ms)
07	**Double Ringing Detection Maximum Off Time**	0 ~ 255 (0, 10 ~ 2550 ms)	40 (400 ms)
08	**Ringing Signal not Detection Minimum**	1 ~ 255 (10 ~ 2550 ms)	70 (700 ms)
09	**Time Ringing Signal Stop Detection Time**	1 ~ 255 (100 ~ 25500 ms)	60 (6000 ms)
10	**Continuous Ringing Minimum Time**	0 ~ 255 (0, 10 ~ 2550 ms)	30 (300 ms)
11	**Continuous Ringing Maximum Time**	0 ~ 255 (0, 10 ~ 2550 ms)	70 (700 ms)
14	**Hook Flash 1 Time**	1 ~ 255 (10 ~ 2550 ms)	80 (800 ms)
15	**Hook Flash 2 Time**	1 ~ 255 (100 ~ 25500 ms)	25 (2500 ms)
16	**Pause Time**	1 ~ 255 (100 ~ 25500 ms)	10 (1000 ms)
17	**PFT Idle Detection Time**	1 ~ 255 (100 ~ 25500 ms)	30 (3000 ms)
20	**Loop Reverse Detect Minimum Time**	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
21	**Loop Reverse Detect Maximum Time**	1 ~ 255 (10 ~ 2550 ms)	86 (860 ms)
22	**Loop Disconnect Detect Minimum Time**	1 ~ 255 (10 ~ 2550 ms)	40 (400 ms)

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Item No.	Item	Input Data	Default
23	**Loop Disconnect Detect Maximum Time**	1 ~ 255 (10 ~ 2550 ms)	64 (640 ms)
27	**Dial Pulse Break Time (10pps)**	1 ~ 255 (5 ~ 1275 ms)	12 (60 ms)
28	**Dial Pulse Make Time (10pps)**	1 ~ 255 (5 ~ 1275 ms)	8 (40 ms)
29	**DP Inter-digit Time (10pps)**	1 ~ 255 (10 ~ 2550 ms)	80 (800 ms)
36	**Long Ringing Detection Minimum Time**	1 ~ 255 (100 ~ 25500 ms)	24 (2400 ms)

Program

81

Conditions

None

Feature Cross Reference

None

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Program 81 : Basic Hardware Setup for Trunk

81-05 : ISDN PRI Layer 2 (T-Point) Initial Data Setup

Level:
MF

Description

Use **Program 81-05 : ISDN PRI Layer 2 (T-Point) Initial Data Setup** to define the various basic data for layer 2 of ISDN PRI.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Timer T200**	1 ~ 255 (100 ~ 25500 ms)	Specify the timer value in 1/100ths of a second at the end of which transmission of a frame may be initiated.	10 (1 sec)
02	**Timer T201**	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	10 (1 sec)
03	**Timer T202**	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	20 (2 sec)
04	**Timer T203**	1 ~ 255 (100 ~ 25500 ms)	Specify the maximum time in 1/100ths of a second allowed without exchanging frames.	250 (25 sec)
05	**N200**	1 ~ 255	Specify the retransmission count.	3
06	**N201**	1 ~ 65535 (Byte)	Specify the frame lengths in ocelots.	260
07	**N202**	1 ~ 255	Specify the maximum number of transmissions from a TEI identity request message when the user requests a TEI.	3

Conditions

None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-06 : ISDN PRI Layer 3 (T-Point) Timer Setup

Level:
IN

Program

81

Description

Use **Program 81-06 : ISDN PRI Layer 3 (T-Point) Timer Setup** to define the various basic timers for layer 3 of ISDN PRI (defined in Program 10-03-04).

Input Data

Layer 3 Timer Type Number	1 ~ 5

Item No.	Item	Input Data	Description	Default
01	T301	0, 180 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the ALERT message is received.	180 seconds
02	T302	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is sent. Timer is also restarted when INFO is received.	15 seconds
03	T303	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent.	4 seconds
04	T304	0 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is received. Timer is also restarted when INFO is received.	30 seconds
05	T305	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC without progress No. 8 is sent.	30 seconds
06	T306	0 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC with progress indicator No. 8 is sent. This timer is valid for Network side use only.	30 seconds
07	T307	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SUSPEND ACK is sent. This timer is valid only for Network side use only.	180 seconds
08	T308	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when REL is sent.	4 seconds
09	T309	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second upon data link disconnection.	90 seconds
10	T310	0 ~ 180 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when CALL PROC is sent.	180 seconds

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Item No.	Item	Input Data	Description	Default
11	**T312**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent or re-sent on broadcast data link. This timer is only valid for Network side use only.	6 seconds
12	**T313**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when connection request is sent. Valid range 1 ~ 4 seconds in 1 second increments. Value of 0 indicates timer not used.	4 seconds
13	**T314**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when message segment is received.	4 seconds
14	T316	(T317 + 1) ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when RE-START is sent.	120 seconds
15	**T317**	1 ~ (T316-1)	Specifies the timer value in 1/100ths of a second of the timer to be started when RE-START is received.	60 seconds
16	**T318**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when RES is sent. This timer is valid for user side use only.	4 seconds
17	**T319**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SUSPEND is sent. This timer is valid for user side use only.	4 seconds
18	**T320**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second when B-channel access: connection is received or D-channel access: DL-ESTABLISH confirmation or indication is received.	30 seconds
19	**T321**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when STATUS ENQ is received.	30 seconds
20	**T322**	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second upon D-channel failure.	4 seconds

Program

81

Conditions

None

Feature Cross Reference

• ISDN Compatibility

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Program 81 : Basic Hardware Setup for Trunk

81-07 : CODEC Filter Setup for Analog Trunk Port

Level:
_IN_

Program

81

Description

Use **Program 81-07 : CODEC Filter Setup for Analog Trunk Port** to define the CODEC (QSLAC) Filter for each analog trunk port.

Input Data

Trunk Port Number	001 ~ 084

Item No.	Item	Input Data	Default
01	**CODEC Filter Type**	0 = Type 0 1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5 6 = Type 6 7 = Type 7 8 = Type 8 9 = Type 9 10 = Type 10 11 = Type 11 12 = Type 12 13 = Type 13 14 = Type 14 15 = Type 15	2

Conditions

None

Feature Cross Reference

None

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Program 81 : Basic Hardware Setup for Trunk

81-08 : T1 Trunk Timer Setup

Level:
IN

Description

Use **Program 81-08 : T1 Trunk Timer Setup** to define the basic timer setting of each T1 Trunk type.

Program

81

Input Data

Item No.	Item	Input Data	Default
01	**Answer Signal Detection Time (Loop)**	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
02	**Answer Signal Detection Time (Ground)**	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
03	**Answer Signal Detection Time (DID)**	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
04	**Answer Signal Detection Time (E&M)**	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
05	**Answer Signal Detection Time (OPX)**	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
06	**Clear Signal Detection Time (Loop)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
07	**Clear Signal Detection Time (Ground)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
08	**Clear Signal Detection Time (DID)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
09	**Answer Signal Detection Time (E&M)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
10	**Clear Signal Detection Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
11	**Ringing Signal Detection Time (Loop)**	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
12	**Ringing Signal Detection Time (Ground)**	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
13	**Ringing Signal Detection Time (DID)**	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
14	**Ringing Signal Detection Time (E&M)**	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
15	**Ringing Signal Detection Time (OPX)**	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
16	**Ringing Signal Stop Detection Time (Loop)**	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
17	**Ringing Signal Stop Detection Time (Ground)**	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
18	**Ringing Signal Stop Detection Time (DID)**	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
19	**Ringing Signal Stop Detection Time (E&M)**	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)

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Program

81

Item No.	Item	Input Data	Default
20	Ringing Signal Stop Detection Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
21	Loop Current Detection Time (Loop)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
22	Loop Current Detection Time (Ground)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
23	Loop Current Detection Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
24	Loop Current Detection Time (E&M)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
25	Loop Current Detection Time (OPX)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
26	DP Break Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
27	DP Make Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	10 (40 ms)
28	DP InterDigit Send Time (ALL)	1 ~ 255 (100 ms ~ 25500 ms)	7 (700 ms)
29	HookFlash Send Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
30	HookFlash Send Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
31	HookFlash Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
32	HookFlash Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
33	HookFlash Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
34	Pause Send Time (ALL)	1 ~ 255 (1 sec ~ 255 sec)	3 (3 sec)
35	Wink Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
36	Delay Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
37	Incoming-Wink Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
38	Wink Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
39	Delay Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
40	Incoming-Wink Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
41	Seizure-WINK/DELAY Receive Max. Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
42	Receive Wink Duration Min. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
43	Receive Wink Duration Max. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
44	Seizure-WINK/DELAY Receive Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
45	Receive Wink Duration Min. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
46	Receive Wink Duration Max. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
47	Receive DP Make Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
48	Receive DP Make Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	19 (76 ms)
49	Receive DP Break Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
50	Receive DP Break Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	25 (100 ms)
51	Receive DP InterDigit Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	125 (500 ms)
52	Receive HookFlash Duration Min. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
53	Receive HookFlash Duration Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)

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Item No.	Item	Input Data	Default
54	**Receive HookFlash Duration Min. Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
55	**Receive HookFlash Duration Max. Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
56	**Loop Off Guard Time (Loop)**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
57	**Loop Off Guard Time (Ground)**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
58	**Loop Off Guard Time (DID)**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
59	**Loop Off Guard Time (E&M)**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
60	**Loop Off Guard Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
61	**Double Ringing Send Time 1 (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
62	**Double Between Ringing Send Time 1 (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
63	**Double Ringing Send Time 2 (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	25 (2500 ms)
64	**Double Between Ringing Send Time 2 (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	30 (3000 ms)
65	**Single Ringing Send Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	10 (1000 ms)
66	**Single Between Ringing Send Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
67	**Guard Time 1 (LOOP)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
68	**Guard Time 1 (GROUND)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
69	**Guard Time 1 (DID)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
70	**Guard Time 1 (E&M)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
71	**Guard Time 1 (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
72	**Guard Time 2 (ALL)**	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
73	**Dial Sending Complete Time**	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
74	**ON-HOOK bit Send Time**	1 ~ 255 (100 ms ~ 25500 ms)	40 (4000 ms)
75	**Open Loop Time (LOOP)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
76	**Open Loop Time (GROUND)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
77	**Open Loop Time (DID)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
78	**Open Loop Time (E&M)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
79	**Open Loop Time (OPX)**	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
80	**Close Loop Time (LOOP)**	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
81	**Close Loop Time (DID)**	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
82	**Ring GND Time (GROUND)**	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)

Program

81

Conditions

None

Feature Cross Reference

None

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Program 81 : Basic Hardware Setup for Trunk

81-09 : COT CODEC (QSLAC) Filter Setting

Level:
IN

Program

81

Description

Use **Program 81-09 : COT CODEC (QSLAC) Filter Setting** to define the filter setting data (when Program 81-07 is set to 4).

Input Data

Item No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0 ~ 255	43
02	B1 Filter Setup (2)	0 ~ 255	102
03	B1 Filter Setup (3)	0 ~ 255	228
04	B1 Filter Setup (4)	0 ~ 255	58
05	B1 Filter Setup (5)	0 ~ 255	75
06	B1 Filter Setup (6)	0 ~ 255	189
07	B1 Filter Setup (7)	0 ~ 255	58
08	B1 Filter Setup (8)	0 ~ 255	194
09	B1 Filter Setup (9)	0 ~ 255	45
10	B1 Filter Setup (10)	0 ~ 255	194
11	B1 Filter Setup (11)	0 ~ 255	219
12	B1 Filter Setup (12)	0 ~ 255	45
13	B1 Filter Setup (13)	0 ~ 255	178
14	B1 Filter Setup (14)	0 ~ 255	208
15	B2 Filter Setup (1)	0 ~ 255	178
16	B2 Filter Setup (2)	0 ~ 255	208
17	AISN and Analog Gains	0 ~ 255	17
18	Z Filter Coefficients (1)	0 ~ 255	250
19	Z Filter Coefficients (2)	0 ~ 255	173
20	Z Filter Coefficients (3)	0 ~ 255	50
21	Z Filter Coefficients (4)	0 ~ 255	165
22	Z Filter Coefficients (5)	0 ~ 255	59
23	Z Filter Coefficients (6)	0 ~ 255	70
24	Z Filter Coefficients (7)	0 ~ 255	106
25	Z Filter Coefficients (8)	0 ~ 255	175
26	Z Filter Coefficients (9)	0 ~ 255	163
27	Z Filter Coefficients (10)	0 ~ 255	79
28	Z Filter Coefficients (11)	0 ~ 255	179
29	Z Filter Coefficients (12)	0 ~ 255	83

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Item No.	Item	Input Data	Default
30	Z Filter Coefficients (13)	0 ~ 255	84
31	Z Filter Coefficients (14)	0 ~ 255	31
32	Z Filter Coefficients (15)	0 ~ 255	1
33	R Filter Coefficients (1)	0 ~ 255	170
34	R Filter Coefficients (2)	0 ~ 255	192
35	R Filter Coefficients (3)	0 ~ 255	187
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	203
38	R Filter Coefficients (6)	0 ~ 255	42
39	R Filter Coefficients (7)	0 ~ 255	171
40	R Filter Coefficients (8)	0 ~ 255	165
41	R Filter Coefficients (9)	0 ~ 255	42
42	R Filter Coefficients (10)	0 ~ 255	35
43	R Filter Coefficients (11)	0 ~ 255	67
44	R Filter Coefficients (12)	0 ~ 255	91
45	R Filter Coefficients (13)	0 ~ 255	43
46	R Filter Coefficients (14)	0 ~ 255	37
47	X Filter Coefficients (1)	0 ~ 255	202
48	X Filter Coefficients (2)	0 ~ 255	48
49	X Filter Coefficients (3)	0 ~ 255	37
50	X Filter Coefficients (4)	0 ~ 255	187
51	X Filter Coefficients (5)	0 ~ 255	170
52	X Filter Coefficients (6)	0 ~ 255	189
53	X Filter Coefficients (7)	0 ~ 255	162
54	X Filter Coefficients (8)	0 ~ 255	163
55	X Filter Coefficients (9)	0 ~ 255	165
56	X Filter Coefficients (10)	0 ~ 255	204
57	X Filter Coefficients (11)	0 ~ 255	164
58	X Filter Coefficients (12)	0 ~ 255	165
59	GR Filter Coefficients (1)	0 ~ 255	202
60	GR Filter Coefficients (2)	0 ~ 255	160
61	GX Filter Coefficients (1)	0 ~ 255	58
62	GX Filter Coefficients (2)	0 ~ 255	178

Program

81

Conditions

• This is used if Program 81-07 is set to 4 (Specified data).

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-01 : Incoming Ring Tone

Level:
MF

Program

82

Description

Use **Program 82-01 : Incoming Ring Tone** to set the incoming ring tones, which are the tones a user hears when a call rings an extension. These tones are grouped into four ring tone *Ranges* (1 ~ 4), also called patterns, that consist of a combination of frequencies. (You assign a specific *Range* to trunks in Program 22-03 and to extensions in Program 15-02.) Within each range there are three frequency *Types* : High, Middle and Low. (Service Code 720 allows users to choose the *Type* for their incoming calls.) Each *Type* in turn consists of two frequencies and the modulation played simultaneously to make up the tone. These frequencies are determined by their Frequency Number selected in Items 1 and 2 (see below). In this program, you assign the two *Frequency Numbers* and *Modulation* for each *Type*, for each of the four *Ranges*. The chart below shows the default *Frequency Numbers* for each *Type* in each *Range*.

Input Data

Incoming Ringing Tone Number	1 = Pattern 1 (Trunk Incoming) 2 = Pattern 2 (Trunk Incoming) 3 = Pattern 3 (Trunk Incoming) 4 = Pattern 4 (Trunk Incoming) 5 = Intercom Incoming Pattern 6 = Alarm Sensor Tone Pattern

Ringing Tone Type Number	1 = High 2 = Mid 3 = Low

Item No.	Item	Input Data	Default
01	**Frequency 1**	1 = 520 Hz 2 = 540 Hz 3 = 660 Hz 4 = 760 Hz 5 = 1100 Hz 6 = 1400 Hz 7 = 2000 Hz	Refer below
02	**Frequency 2**	1 = 520 Hz 2 = 540 Hz 3 = 660 Hz 4 = 760 Hz 5 = 1100 Hz 6 = 1400 Hz 7 = 2000 Hz	Refer below
03	**Modulation**	0 = No Modulation 1 = 8 Hz Modulation 2 = 16 Hz Modulation 3 = Envelope	Refer below

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Default

Table 2-17 82-01 Default Table

Incoming Ringing Tone Number	Tone Type	Frequency 1 (Hz)	Frequency 2 (Hz)	Modulation
Pattern 1 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 2 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 3 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 4 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 5 (Intercom Incoming Pattern)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 6 (Alarm Sensor Pattern)	High Mid Low	760 Hz 760 Hz 760 Hz	760 Hz 760 Hz 760 Hz	No Modulation No Modulation No Modulation

Program

82

Conditions

None

Feature Cross Reference

- Distinctive Ringing Tones and Flash Patterns
- Selectable Ring Tones

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Program 82 : Basic Hardware Setup for Extension

82-04 : ASTU Initial Data Setup

Level:
MF

Description

Use **Program 82-04 : ASTU Initial Data Setup** to set the basic data of the SLT.

Input Data

Item No.	Item	Input Data	Default
01	**Companding Method Type**	0 = µ-law 1 = A-law	0
02	**Ringing Frequency**	0 = 25 Hz 1 = 20 Hz 2 = 16 Hz	1 (20 Hz)
03	**Minimum Break Time**	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
04	**Maximum Break Time**	1 ~ 255 (5 ms ~ 1275 ms)	20 (100 ms)
05	**Minimum Make Time**	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
06	**Maximum Make Time**	1 ~ 255 (5 ms ~ 1275 ms)	20 (100 ms)
07	**Minimum Hook Flash Time**	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
08	**Maximum Hook Flash Time**	1 ~ 255 (5 ms ~ 1275 ms)	200 (1000 ms)
09	**Minimum Ground Flash Time**	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
10	**Minimum Off-Hook Time**	1 ~ 255 (5 bas ~ 1275 ms)	21 (105 ms)
11	**No Detection Time after Off-Hook**	1 ~ 255 (5 ms ~ 1275 ms)	60 (300 ms)
12	**No Detection Time after Pulse Dial Detection**	1 ~ 255 (5 ms ~ 1275 ms)	70 (350 ms)
13	**Loop Disconnect Time, Reversal Time**	1 ~ 255 (10 ms ~ 2550 ms)	60 (600 ms)
14	**Ring, Message Wait Period Time**	1 ~ 255 (5 ms ~ 1275 ms)	150 (750 ms)

Conditions

None

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-05 : ISDN PRI Layer2 (S-Point) Initial Data Setup

Level:
MF

Description

Use **Program 82-05 : ISDN PRI Layer2 (S-Point) Initial Data Setup** to set the basic data for the Layer 2 of ISDN PRI S-Point.

Input Data

Item No.	Item	Input Data	Default
01	**Timer T200**	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
02	**Timer T201**	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
03	**Timer T202**	1 ~ 255 (100 ~ 25500 ms)	20 (2 sec)
04	**Timer T203**	1 ~ 255 (100 ~ 25500 ms)	30 (3 sec)
05	**N200**	1 ~ 255	3
06	**N201**	1 ~ 65535 (Byte)	260
07	**N202**	1 ~ 255	3

Conditions

None

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-06 : ISDN PRI Layer3 (S-point) Timer Setup

Level:
IN

Program

82

Description

Use **Program 82-06 : ISDN PRI Layer3 (S-Point) Timer Setup** to set the basic timer for the layer 3 of ISDN PRI S-Point.

Input Data

Layer3 Timer Type No.	1 ~ 5

Item No.	Item	Input Data	Default
01	**T301**	0, 180 ~ 254 (sec)	180 (sec)
02	**T302**	1 ~ 254 (sec)	10 (sec)
03	**T303**	1 ~ 254 (sec)	4 (sec)
04	**T304**	0 ~ 254 (sec)	20 (sec)
05	**T305**	1 ~ 254 (sec)	30 (sec)
06	**T306**	0 ~ 254 (sec)	30 (sec)
07	**T307**	1 ~ 254 (sec)	180 (sec)
08	**T308**	1 ~ 254 (sec)	4 (sec)
09	**T309**	1 ~ 254 (sec)	90 (sec)
10	**T310**	0 ~ 180 (sec)	30 (sec)
11	**T312**	1 ~ 254 (sec)	6 (sec)
12	**T313**	1 ~ 254 (sec)	4 (sec)
13	**T314**	1 ~ 254 (sec)	4 (sec)
14	T316	(T317 + 1) ~ 254 (sec)	120 (sec)
15	T317	1 ~ (T316 - 1) (sec)	60 (sec)
16	T318	1 ~ 254 (sec)	4 (sec)
17	T319	1 ~ 254 (sec)	4 (sec)
18	T320	1 ~ 254 (sec)	30 (sec)
19	T321	1 ~ 254 (sec)	30 (sec)
20	T322	1 ~ 254 (sec)	4 (sec)

Conditions

None

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Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-07 : CODEC Filter Setup for Analog Station Port

Level:
IN

Program

82

Description

Use **Program 82-07 : CODEC Filter Setup for Analog Station Port** to set the filter value of the CODEC (QSLAC) filter of each analog port.

Input Data

Station Port Number	001 ~ 100 (V2.0 Changed)

Item No.	Item	Input Data	Default
01	**CODEC Filter Type**	0 = Type 0 1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5 6 = Type 6 7 = Type 7 8 = Type 8 9 = Type 9 10 = Type 10 11 = Type 11 12 = Type 12 13 = Type 13 14 = Type 14 15 = Type 15	2

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS)

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Program 82 : Basic Hardware Setup for Extension

82-08 : Sidetone Volume Setup

Level:
MF

Description

Use **Program 82-08 : Sidetone Volume Setup** for adjusting the telephone sidetone volume. There are two levels, based on whether the connected trunk is a digital trunk or analog trunk.

Input Data

Item No.	Item	Input Data	Default
01	**Sidetone Volume**	Input Data (Digital Sidetone Level : Analog Sidetone Level) 0 (- 54 dB : - 54 dB) 1 (- 48 dB : - 54 dB) 2 (- 42 dB : - 54 dB) 3 (- 36 dB : - 48 dB) 4 (- 30 dB : - 42 dB) 5 (- 24 dB : - 36 dB) 6 (- 18 dB : - 30 dB) 7 (- 12 dB : - 24 dB) 8 (- 12 dB : - 18 dB) 9 (- 12 dB : - 12 dB)	6

Conditions

None

Feature Cross Reference

• Central Office Calls, Answering
• Central Office Calls, Placing

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Program 82 : Basic Hardware Setup for Extension

82-09 : SLIU CODEC Filter Data Setup

Level:
IN

Program

82

Description

Use **Program 82-09 : SLIU CODEC Filter Data Setup** to define the filter setting data (when Program 82-07 is set to 4).

Input Data

Item No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0 ~ 255	105
02	B1 Filter Setup (2)	0 ~ 255	122
03	B1 Filter Setup (3)	0 ~ 255	166
04	B1 Filter Setup (4)	0 ~ 255	42
05	B1 Filter Setup (5)	0 ~ 255	227
06	B1 Filter Setup (6)	0 ~ 255	46
07	B1 Filter Setup (7)	0 ~ 255	169
08	B1 Filter Setup (8)	0 ~ 255	242
09	B1 Filter Setup (9)	0 ~ 255	151
10	B1 Filter Setup (10)	0 ~ 255	41
11	B1 Filter Setup (11)	0 ~ 255	122
12	B1 Filter Setup (12)	0 ~ 255	135
13	B1 Filter Setup (13)	0 ~ 255	168
14	B1 Filter Setup (14)	0 ~ 255	112
15	B2 Filter Setup (1)	0 ~ 255	45
16	B2 Filter Setup (2)	0 ~ 255	1
17	AISN and Analog Gains	0 ~ 255	14
18	Z Filter Coefficients (1)	0 ~ 255	178
19	Z Filter Coefficients (2)	0 ~ 255	162
20	Z Filter Coefficients (3)	0 ~ 255	53
21	Z Filter Coefficients (4)	0 ~ 255	83
22	Z Filter Coefficients (5)	0 ~ 255	42
23	Z Filter Coefficients (6)	0 ~ 255	171
24	Z Filter Coefficients (7)	0 ~ 255	194
25	Z Filter Coefficients (8)	0 ~ 255	43
26	Z Filter Coefficients (9)	0 ~ 255	106
27	Z Filter Coefficients (10)	0 ~ 255	163

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Item No.	Item	Input Data	Default
28	Z Filter Coefficients (11)	0 ~ 255	43
29	Z Filter Coefficients (12)	0 ~ 255	169
30	Z Filter Coefficients (13)	0 ~ 255	166
31	Z Filter Coefficients (14)	0 ~ 255	159
32	Z Filter Coefficients (15)	0 ~ 255	1
33	R Filter Coefficients (1)	0 ~ 255	220
34	R Filter Coefficients (2)	0 ~ 255	1
35	R Filter Coefficients (3)	0 ~ 255	58
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	35
38	R Filter Coefficients (6)	0 ~ 255	202
39	R Filter Coefficients (7)	0 ~ 255	195
40	R Filter Coefficients (8)	0 ~ 255	174
41	R Filter Coefficients (9)	0 ~ 255	74
42	R Filter Coefficients (10)	0 ~ 255	51
43	R Filter Coefficients (11)	0 ~ 255	170
44	R Filter Coefficients (12)	0 ~ 255	171
45	R Filter Coefficients (13)	0 ~ 255	74
46	R Filter Coefficients (14)	0 ~ 255	197
47	X Filter Coefficients (1)	0 ~ 255	1
48	X Filter Coefficients (2)	0 ~ 255	17
49	X Filter Coefficients (3)	0 ~ 255	1
50	X Filter Coefficients (4)	0 ~ 255	144
51	X Filter Coefficients (5)	0 ~ 255	1
52	X Filter Coefficients (6)	0 ~ 255	144
53	X Filter Coefficients (7)	0 ~ 255	1
54	X Filter Coefficients (8)	0 ~ 255	144
55	X Filter Coefficients (9)	0 ~ 255	1
56	X Filter Coefficients (10)	0 ~ 255	144
57	X Filter Coefficients (11)	0 ~ 255	1
58	X Filter Coefficients (12)	0 ~ 255	144
59	GR Filter Coefficients (1)	0 ~ 255	1
60	GR Filter Coefficients (2)	0 ~ 255	17
61	GX Filter Coefficients (1)	0 ~ 255	35
62	GX Filter Coefficients (2)	0 ~ 255	32

Program

82

Conditions

• This is used if Program 82-07 is set to 4 (Specified data).

Feature Cross Reference

None

Program

82

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Program 82 : Basic Hardware Setup for Extension

82-11 : SLIU Initial Data Setup

Level:
IN

Description

Use **Program 82-11 : SLIU Initial Data Setup** to define the various timers for SLIU.

Program

82

Input Data

Item No.	Item	Input Data	Description	Default
01	**Bounce Protect Time**	0 = No setting 1 ~ 15 = 100 ms ~ 1.5 sec	Specify a time for detection of a valid off-Hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new Off-Hook indication from a Single Line Telephone.	3 (300 ms)
02	**HookFlash Start Time**	0 = 40 ms 1 ~ 15 = 90 ms ~ 790 ms	Specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.	5 (290 ms)
03	**HookFlash End Time**	0 = HST + 0 ms 1 ~ 15 = HST + 100 ms ~ HST + 1500 ms (HST = Hookflash Start Time)	Specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.	7 (990 ms)

Conditions

None

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-12 : OPX Initial Data Setup

Level:
IN

Program

82

Description

Use **Program 82-12 : OPX Initial Data Setup** to define the various initial data for OPX packages.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Bounce Protect Time**	0 = No setting 1 ~ 15 = 100 ms ~ 1.5 sec	Specify a time for detection of a valid off-Hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new Off-Hook indication from a single line telephone.	3 (300 ms)
02	**HookFlash Start Time**	0 = 40 ms 1 ~ 15 = 90 ms ~ 790 ms	Specify the minimum hookflash time from a single line telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.	5 (290 ms)
03	**HookFlash End Time**	0 = HST + 0 ms 1 ~ 15 = HST + 100 ms ~ HST + 1500 ms (HST = Hookflash Start Time)	Specify the maximum hookflash duration from a single line telephone to receive a second dial tone.	7 (990 ms)

Conditions

None

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-14 : Handset/Headset Gain Setup for Multi Line Telephone

Program

82

Level:
IN

Description

Use **Program 82-14: Handset/Headset Gain Setup for Multi Line Telephone** to define the Handset/Headset Gain Level for Multi Line Telephone.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default
01	**Handset/Headset Transmit Gain level**	0 = Fixed (9 = + 12.5 dB) 1 ~ 32 = LR value : - 3.5 ~ + 58.5 dB	0
02	**Handset/Headset Receive Gain level**	0 = Fixed (13 = 0 dB) 1 ~ 32 = LR value : - 24 ~ + 38.0 dB	0

Conditions

None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-21 : Sensor Setup

Level:
IN

Program

82

Description

Use **Program 82-21 : Sensor Setup** to setup the Sensor for SL1100.

Input Data

Sensor Number	1 ~ 6

Item No.	Item	Input Data	Description	Default
01	**Sensor Type**	0 = Close Detect 1 = Open Detect	Set sensor type.	0
02	**Sensor Alarm Detect Minimum Level**	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Alarm detection.	24 (120 ms)
03	**Sensor Idle Detect Minimum Level**	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Idle detection.	24 (120 ms)

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-02 : H.225 and H.245 Information Basic Setup

Level:
IN

Program

84

Description

Use **Program 84-02 : H.225 and H.245 Information Basic Setup** to define the basic setup information of H.225 and H.245.

Input Data

Item No.	Item	Input Data	Default
01	**H.225 Alerting Time**	0 ~ 255 seconds	180
02	**H.225 Setup Acknowledge Timer**	0 ~ 255 seconds	9
03	**H.225 Setup Timer**	0 ~ 255 seconds	4
04	**H.225 Info Ack Timer**	0 ~ 255 seconds	9
05	**H.225 Call Proceeding Timer**	0 ~ 255 seconds	10
07	**H.245 Master Slave Determination Timer**	0 ~ 255 seconds	5
08	**H.245 Master Slave Determination Retry Count**	0 ~ 255 seconds	3
09	**H.245 Capability Exchange Timer**	0 ~ 255 seconds	5
10	**H.245 Logical Channel Establishment Timer**	0 ~ 255 seconds	50
11	**H.245 Mode Request Procedures Timer**	0 ~ 255 seconds	50
12	**H.245 Close Logical Channel Timer**	0 ~ 255 seconds	50
13	**H.245 Round Trip Delay Timer**	0 ~ 255 seconds	50
14	**H.245 Maintenance Loop**	0 ~ 255 seconds	50
15	**RAS GRQ Timer**	0 ~ 255 seconds	5
16	**GRQ Retry Count**	0 ~ 255	2
17	**RAS RRQ Timer**	0 ~ 255 seconds	5
18	**RRQ Retry Count**	0 ~ 255	3
19	**RAS URQ Timer**	0 ~ 255 seconds	3
20	**URQ Retry Count**	0 ~ 255	1
21	**RAS ARQ Timer**	0 ~ 255 seconds	5
22	**ARQ Retry Count**	0 ~ 255	2
23	**RAS BRQ Timer**	0 ~ 255 seconds	5
24	**BRQ Retry Count**	0 ~ 255	2
25	**RAS IRR Timer**	0 ~ 255 seconds	5
26	**IRR Retry Count**	0 ~ 255	2
27	**RAS DRQ Timer**	0 ~ 255 seconds	8
28	**DRQ Retry Count**	0 ~ 255	2

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Item No.	Item	Input Data	Default
29	**RAS LRQ Timer**	0 ~ 255 seconds	5
30	**LRQ Retry Count**	0 ~ 255	2
31	**RAS RAI Timer**	0 ~ 255 seconds	3
32	**RAI Retry Count**	0 ~ 255	2
33	**Call Signaling Port Number**	0 ~ 65535 : 0 ~ 1719, 1721 ~ 65535	1730
35	**Fast Start Mode**	0 = Disable 1 = Enable	1
36	**RAS Unicast Port Number**	0 ~ 65535	20001
37	**Terminal Type setting**	0 ~ 255	60

Program

84

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-07 : Firmware Download Setup

Level:
IN

Program

84

Description

Use **Program 84-07 : Firmware Download Setup** to configure the settings related to Central Firmware Download for IP Phones.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Server Mode**	0 = TFTP 1 = FTP		0
02	**File Server IP Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.254.254		0.0.0.0
03	**Login Name**	Up to 20 Characters	Enable only 84-07-01 is 1	None
04	**Password**	Up to 20 Characters	Enable only 84-07-01 is 1	None

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-09 : VLAN Setup

Level:
IN

Program

84

Description

Use **Program 84-09 : VLAN Setup** to set up the VLAN data. I/F No.2 The packets send from LAN I/F on VoIPDB is set the VLAN tag.

Input Data

Interface Number	1 ~ 2

Item No.	Item	Input Data	Default
01	**VLAN**	0 = Disable (Off) 1 = Enable (On)	0
02	**VLAN ID**	0 ~ 4094	0
03	**Priority**	0 ~ 7	0

Conditions

• System programming must be exited before these program options take affect.

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-10 : ToS Setup

Program

84

Description

Use **Program 84-10 : ToS Setup** to set up the Type of Service data.

Input Data

Protocol Type	1 ~ 3 = Not used 4 = Networking (V1.5 Changed) 5 = RTP/RTCP 6 = SIP 7 = Not used 8 = SIP-MLT 9 = SIP Trunk 10 = Not used

Item No.	Item	Input Data	Description	Default
01	**ToS Mode**	0 = Disable (Invalid) 1 = IP Precedence 2 = Diffserv	When Input Data is set to 1, Item No. 07 is invalid. When Data is set to 2, Item No. 02 ~ 06 are invalid.	0
02	**Priority, IP Precedence**	0 ~ 7 0 = Low 7 = High	1 = Router queuing priority	0
03	**Low Delay**	0 ~ 1 0 = Normal Delay, Low Delay	1 = Optimize for low delay routing	0
04	**Wideband (Throughout)**	0 ~ 1 0 = Normal Throughput 1 = High Throughput	1 = Optimize for high bandwidth routing	0
05	**High Reliability**	0 ~ 1 0 = Normal Reliability 1 = Low Reliability	1 = Optimize for reliability routing	0
07	**Priority (D.S.C.P. - Differentiated Services Code Point)**	0 ~ 63	DSCP (Differentiated Services Code Point)	0

Conditions

• The system must be reset for these program options to take affect.

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-12 : Networking CODEC Information Basic Setup

Level:

IN

(This Program is available for V1.5 or higher)

Description

Use **Program 84-12 : Networking CODEC Information Basic Setup** to set voice (RTP packet) encoding parameters.

Input Data

Item No.	Item	Input Data	Default
01	**Number of G.711 Audio Frames**	1 ~ 4 (10 ms steps)	3
02	**G.711 VAD mode**	0 = Disable 1 = Enable	0
03	**G.711 Type**	0 = A-law 1 = µ-law	1
04	**G.711 Jitter Buffer (min)**	0 ~ 255 ms	30
05	**G.711 Jitter Buffer (average)**	0 ~ 255 ms	60
06	**G.711 Jitter Buffer (max)**	0 ~ 255 ms	120
07	**Number of G.729 Audio Frames**	1 ~ 6	3
08	**G.729 VAD mode**	0 = Disable 1 = Enable	0
09	**G.729 Jitter Buffer (min)**	0 ~ 300 ms	30
10	**G.729 Jitter Buffer (average)**	0 ~ 300 ms	60
11	**G.729 Jitter Buffer (max)**	0 ~ 300 ms	120
12	**Number of G.723 Audio Frames**	1 ~ 2	1
14	**G.723 Jitter Buffer (min)**	0 ~ 300 ms	30
15	**G.723 Jitter Buffer (average)**	0 ~ 300 ms	60
16	**G.723 Jitter Buffer (max)**	0 ~ 300 ms	120
17	**Jitter Buffer Mode**	1 = Static 3 = Adaptive immediate	3
18	**VAD Threshold**	01 ~ 30 (19 db ~ +10 db) 1 = -19 dB (-49 dBm) : 20 = 0 dB (-30 dBm) : 29 = 9 dBm(-21 dBm) 30 = 10 dBm(-20 dBm)	20
28	**Audio Capability Priority**	0 = G.711_PT 1 = G.723_PT 2 = G.729_PT 3 = G.722_PT	0
30	**Echo Auto Gain Control**	0 ~ 5	0

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Item No.	Item	Input Data	Default
31	**DTMF Relay Mode** If VoIPU, the systems refers to PRG 84-06-10 setting.	0 = Disable 1 = RFC2833 2 = VoIPU	1 (V2.0 Changed)
32	**Fax Relay**	0 = Disable 1 = Enable 2 = Each Port Mode	0
33	**Number of G.722 Audio Frame**	1 ~ 4	3
35	**G.722 Jitter Buffer (min)**	0 ~ 255 ms	30
36	**G.722 Jitter Buffer (average)**	0 ~ 255 ms	60
37	**G.722 Jitter Buffer (max)**	0 ~ 255 ms	120
38	**RTP Filter** To avoid incorrect voice pass connection, this Program checks the sending side address from received RTP packet at VoIPDB.	0 = Disable 1 = Enable	1
39	**DTMF Level Mode**	0 = VoIPU default value 1 = Main soft value	0
40	**DTMF Level High**	0 = Disable 1 = -33 dBm : 28 = -6 dBm	28
41	**DTMF Level Low**	0 = Disable 1 = -33 dBm : 28 = -6 dBm	28

Program

84

Conditions

None

Feature Cross Reference

• Voice Over Internet Protocol (VoIP)

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Program 84 : Hardware Setup for VoIPDB

84-13 : SIP Trunk CODEC Information Basic Setup

Level:
IN

Description

Use **Program 84-13 : SIP Trunk CODEC Information Basic Setup** to set up the basic CODEC options for SIP trunks.

Program

84

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Number of G.711 Audio Frame**	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms.	2	
02	**G.711 Silence Detection (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0	
03	**G.711 Type**	0 = A-law 1 = µ-law	Set the type of G.711.	1	
04	**G.711 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20	
05	**G.711 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40	
06	**G.711 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum value of the G. 711 Jitter Buffer.	80	
07	**G.729 Audio Frame**	1 ~ 6 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method.	2	
08	**G.729 Silence Compression (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0	
09	**G.729 Jitter Buffer - Minimum**	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20	
10	**G.729 Jitter Buffer - Standard**	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40	
11	**G.729 Jitter Buffer - Maximum**	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80	
12	**Number of G.723 Audio Frame**	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Audio Frame.	1	
14	**G.723 Jitter Buffer - Minimum**	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30	

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Item No.	Item	Input Data	Description	Default	Related Program
15	G.723 Jitter Buffer - Standard	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60	
16	G.723 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum value of the G.723 Jitter Buffer.	120	
17	Jitter Buffer Mode	1 = static 3 = adaptive immediately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjusts at any time, regardless of silence.	3	
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and -19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20 dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compression is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20	
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 PT 4 = G.726 PT 5 = iLBC PT 6 = G.711 Only (V1.5 Added) 7 = G.729 Only (V1.5 Added)	The option selected here determines what other codec options are applied by priority.	0	
30	EchoAuto Gain Control	0 ~ 5	Define the Auto Gain Control.	0	
31	DTMF Payload Number	96 ~ 127	Define the DTMF Payload Number.	110	
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup.	0	
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 64 kbps by the encoding compressed method.	3	
35	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
36	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60	
37	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120	
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 32 kbps by the encoding compressed method.	3	
39	G.726 Silence Compression Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0	

Program

84

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Program

84

Item No.	Item	Input Data	Description	Default	Related Program
40	**G.726 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
41	**G.726 Jitter Buffer - Standard**	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60	
42	**G.726 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum G.726 Jitter Buffer.	120	
43	**iLBC Audio Frame**	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10 ms is a unit.	3	
45	**iLBC Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
46	**iLBC Jitter Buffer - Standard**	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60	
47	**iLBC Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120	
48	**ILBC Payload Number**	96 ~ 127	The payload number of iLBC is set. However, the same number as Item 31 cannot be set.	98	
49	**RTP Filter**	0 = Disable 1 = Enable		0	
50	**Fax Relay mode**	0 = Disable 1 = Enable		0	
51	**T.38 Protocol mode**	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1	
52	**Fax Max Rate**	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5= V.17, 14400 bps		5	
56	**Low Speed Data Redundancy**	0 ~ 2		0	
57	**High Speed Data Redundancy**	0 ~ 2		0	
58	**TCF Handling**	0 = Local 1 = Network		1	
61	**T.38 RTP Format Payload Number**	96 ~ 127		100	
62	**DTMF Level mode**	0 = VoIPDB Unit 1 = Main Soft		0	
63	**DTMF Level High**	1 = — 33 dBm : 28 = - 6 dBm		28	
64	**DTMF Level Low**	1 = - 33 dBm : 28 = - 6 dBm		28	

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Item No.	Item	Input Data	Description	Default	Related Program
65	**VAD Negotiation on SDP** (Future) (V2.0 Added)	0 = Disable 1 = Enable	This PRG is used to determine the VAD determination method setting VAD information on SDP. This PRG is effective when VAD is enabled on each codec. *G.711 and G.729 are targets at this time.*	0	
66	**Voice Band Data (VBD)** (Future) (V2.0 Added)	0 = Disable 1 = Enable	This PRG is used for setting VBD to is "Enable/Disable". This PRG is necessary to set the 1: Special in PRG15-03-03 for target terminal.	0	15-03-03
67	**VBD Payload Type** (Future) (V2.0 Added)	96 ~ 127	This PRG is specifies the Payload Type number used by VBD.	97	15-03-03

Program

84

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-14 : SIP Trunk Basic Information Setup

Level:
IN

Description

Use **Program 84-14 : SIP Trunk Basic Information Setup** to define the basic setup for SIP trunks.

Input Data

Item No.	Item	Input Data	Default
01	**INVITE ReTx Count** Specifies the number of times the IN-VITE message is sent.	0 ~ 255	7
02	**Request ReTx Count** Specifies the number of times Request message except INVITE are sent.	0 ~ 255	11
03	**Response ReTx Count** Specifies the number of times the Response message is sent.	0 ~ 255	7
04	**Request ReTx Start Time**	0 ~ 65535 (0 ms ~ 6553.5 seconds)	5 (500 ms)
05	**Request Maximum ReTx Interval**	0 ~ 65535 (0 ms ~ 6553.5 seconds)	40 (4000 ms)
06	**SIP Trunk Port Number**	1 ~ 65535	5060
07	**Session Timer Value**	0 ~ 65535	0
08	**Minimum Session Timer Value**	0 ~ 65535	1800
09	**Called Party Information**	0 = Request URI 1 = To Header	0
10	**URL Type**	0 = SIP-URL 1 = TEL-URL	0
11	**URL/To HeaderSetting Information**	0 = Proxy Server Domain 1 = SIP UA Domain	0
13	**SIP Trunk Incoming/Outgoing via E164SIP_URI** (V1.5 Added)	0 = Off 1 = On 2 = International Access Mode (V2.0 Added)	0
15	**100rel Settings** (V1.5 Added)	0 = Use default Settings 1 = Use opposite Default Setting	0
16	**SIP Trunk SIP-URI E.164 Incoming Mode** (V2.0 Added)	0 = OFF 1 = Mode 1 2 = Mode 2	0

Conditions

None

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Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-15 : SIP Phone Keep Alive Setup

Level:
IN

Program

84

Description

Use **Program 84-15 : SIP Phone Keep Alive Setup** to set the Keep Alive Configuration of the SIP phone.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Registration Information Automatic Deletion**	0 = Disable 1 = Enable	When set to 1 (Enable), the registration information is automatically deleted (for H. 323).	0
02	**Keep Alive Message Interval**	1 ~ 10 minutes	Time interval that system sends a Ping to the terminal.	1 minutes
03	**Keep Alive Message Timeout**	1 ~ 10 seconds	Time that system waits for a Ping response from the terminal.	5 seconds
04	**Keep Alive Timeout**	1 ~ 5 times	How many times the system waits for a non response before determining the terminal is down.	3 times

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-16 : VoIPDB Limiter Control Gain Setup

Program

84

Level:
IN

Description

Use **Program 84-16 : VoIPDB Limiter Control Gain Setup** to set the Limiter Control Gain configuration of VoIPDB.

Input Data

Item No.	Item	Input Data	Default
01	**RX Limiter Control Gain** Gain setting to control limiter in the direction of IP → PCM. This option adds gain to the voice input from the LAN and removes it from the voice output to highway.	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	15 (0 dBm)
02	**TX Limiter Control Gain** Gain setting to control limiter in the direction of PCM → IP. This option adds the gain to the voice input from highway and removes it from the voice output to the LAN.	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	15 (0 dBm)
03	**RX Limiter Control Gain (COIU)** This option controls the limiter gain for a COIU call in the IP to PCM direction.	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	15 (0 dBm)
04	**TX Limiter Control Gain (COIU)** This option controls the limiter gain for a COIU call in the PCM to IP direction.	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	15 (0 dBm)

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-19 : SIP Extension CODEC Information Basic Setup

Level:
IN

Program

84

Description

Use **Program 84-19 : SIP Extension CODEC Information Basic Setup** to define the CODEC information for the SIP extensions.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Number of G.711 Audio Frame**	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms.	2
02	**G.711 Silence Detection (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0
03	**G.711 Type**	0 = A-law 1 = µ-law	Set the type of G.711.	1
04	**G.711 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	**G.711 Jitter Buffer - Standard**	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	**G.711 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	**G.729 Audio Frame**	1 ~ 6 (1 = 10 ms, 2 = 20ms, etc.)	Maximum number of G729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method.	2
08	**G.729 Silence Compression (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0
09	**G.729 Jitter Buffer - Minimum**	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20
10	**G.729 Jitter Buffer - Standard**	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	**G.729 Jitter Buffer - Maximum**	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
12	**Number of G.723 Audio Frame**	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Audio Frame.	1
14	**G.723 Jitter Buffer - Minimum**	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30
15	**G.723 Jitter Buffer - Standard**	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60

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Item No.	Item	Input Data	Description	Default
16	G.723 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum value of the G.723 Jitter Buffer.	120
17	Jitter Buffer Mode	1 = static 3 = adaptive immediately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the co-dec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, re-gardless of silence.	3
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10 dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10 dBm (- 20 dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compres-sion is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 4 = G.726 5 = iLBC	The option selected here determines what other codec options are applied by priority. For the system to utilize the G.723 or iLBC Codecs, program 84-27-02 must be set to G.723/iLBC.	0
30	EchoAuto Gain Con-trol	0 ~ 5	Define the Auto Gain Control.	0
31	DTMF Payload Num-ber	96 ~ 127	Define the DTMF Payload Number.	96
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup used between the SIP extensions. It is effective when a terminal call is made through the VoIPDB.	0
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 64 kbps by the encoding compressed method.	3
35	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buf-fer allows this variation to be absorbed.	30
36	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
37	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 32 kbps by the encoding compressed method.	3
39	G.726 Silence Com-pression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0
40	G.726 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between packets arriving and the buf-fer allows this variation to be absorbed.	30
41	G.726 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60

Program

84

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Program

84

Item No.	Item	Input Data	Description	Default
42	**G.726 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum G.726 Jitter Buffer.	120
43	**iLBC Audio Frame**	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10ms is a unit.	3
45	**iLBC Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
46	**iLBC Jitter Buffer - Standard**	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60
47	**iLBC Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120
48	**ILBC payload number**	96 ~ 127	The payload number of iLBC is set. However, the same number as Item 31 cannot be set.	98
49	**RTP Filter**	0 = Disable 1 = Enable		1
50	**Fax Relay mode**	0 = Disable 1 = Enable		0
51	**T.38 Protocol mode**	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1
52	**Fax Max Rate**	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps		5
56	**Low Speed Data Redundancy**	0 ~ 2		0
57	**High Speed Data Redundancy**	0 ~ 2		0
58	**TCF Handling**	0 = Local 1= Network		1
61	**T.38 RTP Format Payload Number**	96 ~ 127		100
62	**DTMF Level mode**	0 = VoIPDB Unit 1 = Main Soft		0
63	**DTMF Level High**	1 = - 33 dBm : 28 = - 6 dBm		28
64	**DTMF Level Low**	1 = - 33 dBm : 28 = - 6 dBm		28

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-20 : SIP Extension Basic Information Setup

Level:
IN

Description

Use **Program 84-20 : SIP Extension Basic Information Setup** to set up proxy information, session timers, called party information and expire value of invite.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Registrar/Proxy Port**	1 ~ 65535		5070
02	**Session Timer Value**	0 ~ 65535		180 seconds
03	**Minimum Session Timer Value**	0 ~ 65535		180 seconds
04	**Called Party Info**	0 = Request URI 1 = To Header		0
05	**Expire Value of Invite**	0 ~ 256 seconds	Arrival of a message is ended when this time expires and there is no cut from the caller.	180 seconds
06	**Expire Value of Invite (send)**	1 ~ 3600 seconds	The expiration time is set for the Invite message.	180 seconds

---

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB
84-22 : DR700 Multiline Logon Information Setup

Description

Use **Program 84-22 : DR700 Multiline Logon Information Setup** to set the DR700 Multiline logon information.

Input Data

Personal ID Index	001 ~ 084

Item No.	Item	Input Data	Description	Default
01	**User ID**	Up to 32 characters	Input the User ID when using manual or auto registration (10-46-01).	No Setting
02	**Password**	Up to 16 characters	Input the Password when using manual or auto registration (10-46-01).	No Setting
03	**User ID Omission**	0 = Off 1 = On	Input the Personal ID from terminal automatically when log on again.	0
04	**Log Off**	0 = Off 1 = On	Input the Personal ID from terminal automatically when log on again.	1
05	**Nick Name**	Up to 32 characters	Input the Personal ID from terminal automatically when log on again.	No Setting

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-23 : DR700 Multiline Basic Information Setup

Level:
IN

Program

84

Description

Use **Program 84-23 : DR700 Multiline Basic Information Setup** to set the basic information for the DR700 Multiline Terminal.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Registration Expire Timer**	60 ~ 65535 seconds	The Expires value of the REGISTER message which received from DR700 terminal is out of range or when the Expire value is not set up, in case it assigns the effective time to the DR700 terminal. The timer for supervising whether DR700 terminal is connected or not.	180 seconds
02	**Subscribe Expire Timer**	60 ~ 65535 seconds	The subscribe Expire timer to transmit and receive the terminal operation instructions between the Main Device and DR700 terminal.	3600 seconds
03	**Session Expire Timer**	60 ~ 65535 seconds	Set effective time for supervising the Voice Path.	180 seconds
04	**Minimum Session Expire Timer**	60 ~ 65535 seconds	Set minimum value of effective time for supervising the Voice Path.	180 seconds
05	**Invite Expire Timer**	60 ~ 65535 seconds	Set effective time for Incoming/Outgoing call when the Expire value is not set in the INVITE message received from DR700 terminal.	180 seconds
06	**Signal Type of Service**	0x00 ~ 0xFF (0 ~ 9, A ~ F)	Set Type of Service value which applied to send SIP Message Packet from DR700 terminal to Main Device.	00
07	**Error Display Timer**	0 ~ 65535 seconds		0
08	**Digest Authorization Registration Expire Timer**	0 ~ 4294967295 seconds		0
09	**Temporally Password**	Read Only: Maximum 16 characters (0 ~ 9, a ~ f, A ~ F)		None
10	**Number of Password Retries**	0 ~ 255 (0 = No Limit)	Input the number of times an incorrect password can be entered when the security key is pressed.	0
11	**Password Lock Time**	0 ~ 120 (0 = No Limit)		0
12	**Reference Number**	Up to 32 digits (0 ~ 9, *, #, P, R, @)		No Setting
13	**Media Type of Service**	0x00 ~ 0xFF (0 ~ 9, A ~ F)		00

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Item No.	Item	Input Data	Description	Default
14	**Refer Expire Timer**	0 ~ 65535 seconds		60 seconds

Conditions

None

Program

84

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-24 : DR700 Multiline CODEC Basic Information Setup

Level:
IN

Program

84

Description

Use **Program 84-24 : DR700 Multiline CODEC Basic Information Setup** to set the codec of each type of DR700 Multiline Telephone.

Input Data

Type	1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5

Item No.	Item	Input Data	Description	Default
01	**Number of G.711 Audio Frame**	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size. ✏ *Softphone (SP310) only supports 20 ms or 40 ms.*	2
02	**G.711 Silence Detection (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0
03	**G.711 Type**	0 = A-law 1 = μ-law	Set the type of G.711.	1
04	**G.711 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	**G.711 Jitter Buffer - Standard**	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	**G.711 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	**G.729 Audio Frame**	1 ~ 4 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G.729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size. ✏ *Softphone (SP310) only supports 20 ms or 40 ms.*	2

Program

84

Item No.	Item	Input Data	Description	Default
08	**G.729 Silence Compression (VAD) Mode**	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0
09	**G.729 Jitter Buffer - Minimum**	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20
10	**G.729 Jitter Buffer - Standard**	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	**G.729 Jitter Buffer - Maximum**	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
17	**Jitter Buffer Mode Set the mode of the Jitter Buffer.**	1 = static 3 = adaptive immediately	1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, regardless of silence.	3
18	**Silence Compression (VAD) Threshold**	1 ~ 30 (self-adjustment and - 19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compression is disabled in 84-01-03 with G.711, or 84-01-06 with G.729.	20
28	**Priority Codec Setting**	0 = G711 PT 2 = G729 PT 3 = G.722 PT	The option selected here determines what other codec options are applied by priority.	0
30	**EchoAuto Gain Control**	0 ~ 5	Define the Auto Gain Control.	0
31	**DTMF Payload Number**	96 ~ 127		96
32	**G.722 Audio Frame**	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16kHz and the frame of 10ms is assumed to be a unit to 64kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size. ✏️ *Softphone (SP310) only supports 20 ms.*	3
34	**G.722 Jitter Buffer - Minimum**	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
35	**G.722 Jitter Buffer - Standard**	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
36	**G.722 Jitter Buffer - Maximum**	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
37	**RTP Filter**	0 = Disable 1 = Enable		1

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Item No.	Item	Input Data	Description	Default
38	**DTMF Level mode**	0 = Use the Default of VoIPDB Unit 1 = Use the Main System		0
39	**DTMF Level High**	1 = - 33 dBm : 28 = - 6 dBm		28
40	**DTMF Level Low**	1 = - 33 dBm : 28 = - 6 dBm		28

Program

84

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-26 : VoIP Basic Setup (DSP)

Program

84

Level:
IN

Description

Use **Program 84-26 : VoIP Basic Setup** to set the IP address and the port of VoIP.

Input Data

Slot Number	0
VoIPDB GW Number 🖉 *GW Number will not be shown in Telephone Programming mode.*	1

Item No.	Item	Input Data	Default
01	**IP Address**	xxx.xxx.xxx.xxx	172.16.0.20 ~
02	**RTP Port Number**	0 ~ 65534	VoIP GW 1 = 10020~10051
03	**RTCP Port Number**	RTP Port Number + 1	VoIPDB GW1 = 10021

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-27 : VoIP Basic Setup

Level:
IN

Description

Use **Program 84-27 : VoIP Basic Setup** to set the DTMF Relay and the SRTP mode of the VoIPDB.

Program

84

Input Data

Slot Number	0

Item No.	Item	Input Data	Description	Default
01	**DTMF Relay Setup**	0 = DTMF Relay disabled 1 = In-Band DTMF Relay - Do not report to host processor 2 = Out Band Relay - Do not pass tones as voice		2
02	**Setup CODEC Mode**	0 = Default 1 = Mode 1 (G.723/iLBC)	Default means the system uses another CODEC except G.723. Mode 1 means the system uses all CODECs, but the limitation of the total number of available DSP will be applied.	0
03	**SRTP Mode Setup**	0 = Disable 1 = Enable		0
04	**SRTP Mode Select**	0 = Mode1		0
06	**H.245 Port Number**	0 ~ 65535		10100
07	**Preparation Completion Response Port Number**	0 ~ 65535		4000
08	**DTMF Duration**	0 = Use RFC2833 25 ~ 2000 ms		0
09	**DTMF Pause**	0 = Use RFC2833 25 ~ 2000 ms		0
10	**DTMF Twist Positive Level**	0 ~ 24 dB		5
11	**DTMF Twist Negative Level**	0 ~ 24 dB		0
12	**DTMF Duration**	30 ~ 2000 ms		100
13	**DTMF Level**	1 ~ 61 (- 36 dB ~ + 24 dB 1 = - 36 dB 2 = - 35 dB : 37 = 0 dB : 60 = 23 dB 61 = 24 dB		25 (- 12 dB)

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Item No.	Item	Input Data	Description	Default
14	**ICMP REDIRECT**	0 = Enabled, Voice packets will follow ICMP redirect messages. 1 = Disabled, Voice packets will NOT follow the ICMP redirect message.		1
15	**DTMF Detect Minimum Duration**	23 ~ 2000 ms	This setting is the minimal time setting to distinguish DTMF tones for the IPLB. If the signal is shorter than the value set, the signal is deemed not a DTMF.	30
16	**DTMF Detect Minimum Level**	0: -40dbm 1: -39dbm 2: -38dbm : 31: -9dbm	This setting is the minimal level setting to distinguish DTMF tones. If the signal is shorter than the value set, the signal is deemed not a DTMF.	2 (-38dbm)
17	**DTMF Detect Minimum S/N Ratio**	0: -9db 1: -8db : 6: -3db 7: -2db 8: -1db 9: 0db	This is a frequency ratio setting of the DTMF for the frequency other than the DTMF tone. When this value comes to 0db, the DTMF is distinguished only when the signal level except DTMF is low. In case of wrong DTMF detection by a person's voice, there is the possibility that the level except DTMF is large. The system will be able to protect a wrong DTMF detection by choosing 0db value or so.	6 (-3db)

Program

84

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-28 : DR700 Multiline Firmware Name Setup

Level:
IN

Description

Use **Program 84-28 : DR700 Multiline Firmware Name Setup** to set the firmware name to download for the IP Phone.

Program

84

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH

Item No.	Item	Input Data	Default
01	**Firmware Directory**	Maximum 64 characters	No Setting
02	**Firmware File Name**	Maximum 30 characters	No Setting

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-29 : SIP-MLT CODEC Information Fixed Mode Setup

Level:
IN

Program

84

Description

Use **Program 84-29 : SIP-MLT CODEC Information Fixed Mode Setup** to set the CODEC data of the SIP-MLT when it uses Multicast.

Input Data

Type	1 = Type 1 (Multicast) 2 = Type 2 (reserved) 3 = Type 3 (reserved) 4 = Type 4 (reserved) 5 = Type 5 (reserved)

Item No.	Item	Input Data	Default
01	**Audio Capability**	1 = G.711 A-law 2 = G.711 µ-law 3 = G.729 5 = G.722	2
02	**Number of Audio Frames**	1 ~ 4 (V2.0 Changed) 1 = 10 ms (G.711 / G.722 / G.729) 2 = 20 ms (G.711 / G.722 / G.729) 3 = 30 ms (G.711 / G.722 / G.729) 4 = 40 ms (G.711 / G.722 / G.729) 5 = 50 ms (G.729) (V2.0 Deleted) 6 = 60 ms (G.729) (V2.0 Deleted)	2
03	**RTP Filter**	0 = Disable 1 = Enable	1

Conditions

None

Feature Cross Reference

None

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Program 84 : Hardware Setup for VoIPDB

84-31 : VoIPDB Echo Canceller Setup

Level:
IN

Program

84

Description

Use **Program 84-31 : VoIPDB Echo Canceller Setup** to sets VoIPDB echo canceller value.

Input Data

Type	1 = H.323 Trunk 2 ~ 6 = Not Used (V1.5 Changed) 7 = Networking (V1.5 Changed) 8 = SIP Trunk 9 = SIP Extension 10 = Not used 11 = DR700 Type 1 12 = DR700 Type 2 13 = DR700 Type 3 14 = DR700 Type 4 15 = DR700 Type 5 16 = Not used

Item No.	Item	Input Data	Description	Default	Related Program
01	**TDM Echo Canceller mode**	0 = Disable 1 = Enable		1	
02	**TDM Echo Canceller NLP mode(2W)**	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto Detect Mode		1	
03	**TDM Echo Canceller ComfortNoise mode** (V2.0 Added)	0 = Disable 1 = Enable	Do not change the setting unless asked to change by engineer. Select comfort noise as background noise. Effective when PRG 84-31-01 = 1	1	84-31-01
04	**TDM Echo Canceller NLP Threshold**	0 ~ 15		12	
05	**TDM Echo Canceller Tail Displacement** (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Do not change the setting unless asked to change by engineer. Effective when PRG 84-31-01 = 1	0	84-31-01
06	**TDM Echo canceller tail length** (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-01 = 1	7	84-31-01

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Program

84

Item No.	Item	Input Data	Description	Default	Related Program
07	**TDM Echo Canceller Default ERL Level** (V2.0 Added)	0 ~ 6 (- 9 db ~ 9 db) 0 = - 9 db 1 = - 6 db 2 = - 3 db : 5 = 6 db 6 = 9 db	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-01 = 1	5	84-31-01
08	**TDM Echo Canceller Echo Type**	0 = Disable 1 = Line Echo Canceller 2 = Acoustic Echo Canceller		1	
09	**TDM Max ERLE** (V2.0 Added)	0 ~ 6 (- 9 db ~ 9 db) 0 = - 9 db 1 = - 6 db 2 = - 3 db : 5 = 6 db 6 = 9 db	Do not change the setting unless asked to change by engineer. Select maximum echo return loss level. Effective when PRG 84-31-01 = 1	2 (30 db)	84-31-01
10	**TDM Tx Level Control**	0 = Disable 1 = TxLevelControl mode 2 = TxAutomaticLevelControl mode 3 = HLC		3	
11	**TDM Tx LevelControl Level**	0 ~ 16 (- 24 ~ 24 dB) 0 = - 24 dB 1 = - 21 dB 2 = - 18 dB : 8 = 0 dB : 14 = 18 dB 15 = 21 dB 16 = 24 dB		8	
12	**TDM Tx AutomaticLevelControl Level** (V2.0 Added)	0 ~ 12 (- 42 ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-10 = 2	7	84-31-10
13	**TDM Tx HLC Threshold**	0 ~ 42 (- 42 ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		41	
14	**TDM Tx Gain Compression mode**	0 = Disable 1 = Enable		1	
15	**TDM Tx Gain Compression Threshold**	0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		41	
16	**TDM Rx Level Control** (V2.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Do not change the setting unless asked to change by engineer. Select receive level control mode.	0	

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Item No.	Item	Input Data	Description	Default	Related Program
17	**TDM Rx Level-Control Level** (V2.0 Added)	0 ~ 16 (- 24 ~ 24 db) 0 = - 24 db 1 = - 21 db 2 = - 18 db : 8 = 0 db : 14 = 18 db 15 = 21 db 16 = 24 db	Do not change the setting unless asked to change by engineer. Select receive voice level. Effective when PRG 84-31-16 = 1	8	84-31-16
18	**TDM Rx Automa-ticLevelControl Level** (V2.0 Add-ed)	0 ~ 12 (- 42 ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-16 = 2	7	84-31-16
19	**RTP Echo Can-celler mode**	0 = Disable 1 = Enable		0	
20	**RTP Echo Can-celler NLP mode**	0 = Disable 1 = Enable		0	
21	**RTP Echo Can-celler Com-fortNoise mode** (V2.0 Added)	0 = Disable 1 = Enable	Do not change the setting unless asked to change by engineer. Select comfort noise as background noise on or off. Effective when PRG 84-31-19 = 1	1	84-31-19
22	**RTP Echo Can-celler NLP Threshold**	0 ~ 15		12	
23	**RTP Echo Can-celler Tail Dis-placement** (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Do not change the setting unless asked to change by engineer. Effective when PRG 84-31-19 = 1	0	84-31-19
24	**RTP Echo Can-celler Tail Length** (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-19 = 1	7	84-31-19
25	**RTP Echo Can-celler Default ERL Level** (V2.0 Added)	0 ~ 6 (- 9 dB ~ + 9 dB) 0 = - 9 dB 1 = - 6 dB 2 = - 3 dB : 5 = 6 dB 6 = 9 dB	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-19 = 1	5	84-31-19
26	**RTP Echo Can-celler Echo Type**	0 = Disable 1 = Line Echo Cancel-ler 2 = Acoustic Echo Can-celler		0	
27	**RTP Max ERLE** (V2.0 Added)	0 ~ 10 (24 ~ 54 dB) 0 = 24 dB 1 = 27 dB : 9 = 51 dB 10 = 54 dB	Do not change the setting unless asked to change by engineer. Select maximum echo return loss level. Effective when PRG 84-31-19 = 1	2	84-31-19

Program

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Program 84

Item No.	Item	Input Data	Description	Default	Related Program
28	**RTP Tx Level Control**	0 = Disable 1 = TxLevelControl mode 2 = TxAutomaticLevel-Control mode 3 = HLC		Type 1, Type 7 ~ 8 = 3 (V1.5 Changed) Type 9, 11~15 = 0	
29	**RTP Tx Level Control Level**	0 ~ 16 (- 24 ~ 24 dB) 0 = - 24 dB 1 = - 21 dB 2 = - 18 dB : 8 = 0 dB : 14 = 18 dB 15 = 21 dB 16 = 24 dB		8	
30	**RTP Tx Automa-ticLevelControl Level** (V2.0 Added)	0 ~ 12 (- 42 dbm~ - 6 dbm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-28 = 2	7	84-31-28
31	**RTP Tx HLC Threshold**	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, Type 7 ~ 8 = 36 (V1.5 Changed) Type 9, 11~15 = 42	
32	**RTP Tx Gain Compression mode**	0 = Disable 1 = Enable		Type 1, Type 7 ~ 8 = 1 (V1.5 Changed) Type 9, 11~15 = 0	
33	**RTP Tx Gain Compression Threshold**	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, Type 7 ~ 8 = 36 (V1.5 Changed) Type 9, 11~15 = 42	
34	**RTP Rx Level Control** (V2.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Do not change the setting unless asked to change by engineer. Select receive level control mode.	0	
35	**RTP Rx Level-Control Level** (V2.0 Added)	0 ~ 16 (- 24 dB ~ + 24 dB) 0 = - 24 dB 1 = - 21 dB : 8 = 0 dB : 15 = 21 dB 16 = 24 dB	Do not change the setting unless asked to change by engineer. Select receive voice level. Effective when PRG 84-31-34 = 1	8	84-31-34

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Item No.	Item	Input Data	Description	Default	Related Program
36	**RTP Rx AutomaticLevelControl Level** (V2.0 Added)	0 ~ 12 (- 42 dBm ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-34 = 2	7	84-31-34
37	**TDM Echo Canceller NLP mode (4W)**	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto Detect Mode		1	

Program

84

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-01 : Installation Date

Level:
IN

Program

90

Description

Use **Program 90-01 : Installation Date** to define the installation date of the system.

Input Data

Item No.	Item	Input Data	Default
01	**Year**	00 ~ 99	00 (No Setting)
02	**Month**	01 ~ 12	00 (No Setting)
03	**Day**	01 ~ 31	00 (No Setting)

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-02 : Programming Password Setup

Level:
_IN_

Description

Use **Program 90-02 : Programming Password Setup** to set the system passwords. For password entry, the system allows eight users to be defined. Each user can have a:

• Unique alphanumeric name (up to 10 alphanumeric characters)
• Password entry of up to eight digits (using 0 ~ 9, # and ✱)
• Password level

The IN level password is used by the System Installer for system programming. The SA or SB level password cannot access the IN level programs. The reverse type (white on black) just beneath the Description heading is the program access level. You can only use the program if your access level meets or exceeds the level the program requires. (SA level password can access to SA or SB programs, and SB level password can access to SB programs only.)

> _It is **NOT** recommended to change these data. If you must change these Data make sure you keep the ID/Password or you will never be able to enter the program unless you clear all the System Data/Setting._

Input Data

User Number	1 ~ 8

Item No.	Item	Input Data	Default
01	**User Name**	Maximum 10 characters	Refer below
02	**Password**	Up to eight digits	Refer below
03	**User Level**	0 = Prohibited User 2 = IN (Installer Level) 3 = SA (System Administrator Level 1) 4 = SB (System Administrator Level 2) 5 = UA (User Programming Administer Mode Level 1)	Refer below

Default

User No.	User Name	Password	Level	Level Description
1	**necam**	✱✱✱✱✱	1 (MF)	Manufacture Level - Access to all system program
2	**sltech**	12345678	2 (IN)	Installer Level - Access to all IN level programs.
3	**ADMIN1**	0000	3 (SA)	System Administrator Level 1 - Restricted Access
4	**ADMIN2**	9999	4 (SB)	System Administrator Level 2 - More Restricted Access

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User No.	User Name	Password	Level	Level Description
5	**USER1**	1111	5 (UA)	User Programming Administer Mode Level 1

Conditions

• More than one extension can be in the programming mode.

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-03 : Save Data

Level:
SA

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-03 : Save Data** to save the programmed data on the CF Card. This program should be used after changing the programmed data.

Input Data

Item No.	Item	Input Data	Default
01	**Save Data**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

• Before Uploading Customer Database please make sure you reset the system either by using 90-08 or Power down/up the system.
• When installing a compact flash card onto the PZ-VM21 the system MUST be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-04 : Load Data

Level:
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-04 : Load Data** to load the system data from the inserted CF Card into the PZ-VM21 Daughter Board installed to the system.

Input Data

Item No.	Item	Input Data	Default
01	**Load Data**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

• After uploading the data the display will change to a next Program. Then make sure you **EXIT** the Program order for upload to complete. Now some of the setting needs to have system reset order for setting to be effective (example: IP Address, Line Key Assignment) so we **Recommend** to reset the system.

• When installing a compact flash card onto the PZ-VM21 the system MUST be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-05 : Slot Control

Level:
IN

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-05 : Slot Control** to reset or delete (uninstall) units (slots 0 ~ 9).

Delete allows you to completely uninstall the unit. You should do this if you want to remove a unit and plug it into a different slot and still retain the port assignments. If a different type of interface unit is being installed in a slot previously used, the slot should be deleted (option 1) first before installing the new interface unit.

Reset allows you to send a reset code.

Input Data

Menu Number	1 = Delete 2 = Reset 3 = Set Busy Out 4 = Reset Busy Out

Item No.	Item	Input Data	Default
01	**Slot Control**	Slot Number 0 ~ 12 (V1.5 Changed)	-

Conditions

• When you delete or reset a unit, you must first remove it from its slot then run Program 90-05. When reusing the slot for another unit, you must plug the unit in or reset the system before the system can use the slot again.
• When you delete or reset a unit, all related programming in Program 10-03-01 is set back to default.

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-06 : Trunk Control

Level:
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-06 : Trunk Control** for trunk maintenance. Busy Out lets you block a unit from placing outgoing calls (just like placing the unit switch down). Once busied out, none of the ports on the unit can be used for new calls. Existing calls, however, are not torn down.

Input Data

Menu Number	0 = Set Busy Out 1 = Reset Busy Out (idle)

Item No.	Item	Input Data	Default
01	**Trunk Control**	Trunk Port Number : 001 ~ 084	1

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-07 : Station Control

Level:

SA

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-07 : Station Control** for extension maintenance.

Input Data

Menu Number	1 = Hardware Reset 2 = Software Reset

Item No.	Item	Input Data	Default
01	**Extension Control**	Extension Number (up to eight digits)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-08 : System Reset

Program

90

Level:
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-08 : System Reset** to perform a system reset.

Input Data

Item No.	Item	Input Data	Default
01	**System Reset**	Dial **1** + press **Hold** (Press **Hold** key only to cancel.)	-

Conditions

• Some of changes made to a program may need to reset the system order for the change to be effective.

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-09 : Automatic System Reset Time Setup

Level:
IN

Description

Use **Program 90-09 : Automatic System Reset Time Setup** to define the time for the system to automatically reset.

Input Data

Item No.	Item	Input Data	Default
01	**Month**	00 ~ 12 *If the Month is set to 00 and Day is set, the system is automatically reset every month on the predefined day.*	00
02	**Day**	00 ~ 31 *If the Day is set to 00 and the Time (Hour and Minute) is set, the system automatically resets every day at the predefined time.*	00
03	**Hour**	00 ~ 23	00
04	**Minute**	00 ~ 59	00

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-10 : System Alarm Setup

Level:
IN

Description

Use **Program 90-10 : System Alarm Setup** to assign a status to system alarms. You can designate an alarm as Major or Minor. This program also assigns whether or not the alarm information is reported to the pre-defined destination.

Input Data

Alarm Number	001 ~ 100

Item No.	Item	Input Data	Default
01	**Alarm Type**	0 = Not Set 1 = Major Alarm 2 = Minor Alarm	-
02	**Report**	0 = Not Report (No autodial) 1 = Report (autodial)	-

Table 2-18 Description of Alarm

Alarm No.	Type	Re-port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
1	2	0	PKG Initialize Error.	1. The PKG failed to initialize. 2. The PKG did not start normally.	1. PKG not inserted firmly. 2. PKG was removed, but not reinserted firmly. 3. Old PKG data still reported due to no initialization.	1. Insert PKG firmly. 2. Insert PKG firmly. 3. Delete slot information in Program 90-05 and insert the PKG again.	During initialization, the PKG is recognized.	ERR REC	
2	2	0	PKG Mounting Error	The unit did not step on a regular procedure and it was pulled out. Or, it is not normally inserted.	1. The package is not completely inserted. 2. The package is out of order.	1. Please insert the package firmly. 2. Please try again after initializing the system data once when LED doesn't blink normally. 3. Exchange packages.	When unit is reconfirmed, the error is recovered.	ERR REC	

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Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
3	2	0	Connection fault between CPU and other PKGs.	The error occurred when communicating with the package. When the package is broken, it recognizes it as a communication fault.	1. The unit is not completely inserted. 2. The power-supply voltage of the system is outside ratings. 3. The equipment that generates the noise in the same power supply system as the power supply origin of the system is connected, and it malfunctions because of the power supply noise. 4. The equipment to which it is adjacent to of a main device, and has put out the radiation noise exists, and it malfunctions because of the radiation noise. 5. The chassis is not properly grounded.	1. Please insert the unit firmly. 2. The power-supply voltage must use another power supply when is in the range of ratings or measuring with the volt-meter, and deviating from the rated range. 3. Please use the power supply besides the equipment with the possibility of the noise source. 4. Please separate as much as possible and use a main device from the equipment by which you seem may generate the radiation noise. 5. Please ground the chassis correctly.	When unit is confirmed, the error is recovered.	ERR REC	

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Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
4	2	0	PKG S/W Download Error	The unit program could not be downloaded normally. The unit could not able to be started normally.	1. The package software is not stored in the downloaded USB memory. 2. The stored package software is illegal. Package information that was installed before remains.	1. Delete slot information that corresponds by Program 90-05-01 to delete package information that was installed before. 2. There is a possibility that the unit program is broken though an external factor of the noise etc. is thought. 3. Please load into the USB memory and try again when you back up the unit program. 4. Please Check with maker on uncertain points.	Please exchange units, though it is likely to restore by mounting the unit again. When the unit program is normally downloaded, the error is recovered.	ERR REC	
6	0	0	Blocking	The link of terminals connected with the ESI package came off.	1. Terminal Breakdown. 2. Faulty wiring and wiring termination. 3. External noise. 4. ESI package Breakdown.	Confirm the terminal connected with same ESI. If they work normally, confirm the breakdown or the wiring for the terminal. Exchange the terminal that doesn't work and the working terminal, and confirm it's working. An external factor of the noise etc. is thought. Please reconfirm wiring and the installation, etc. Please inquire of the manufacturer when the problem occurs after it confirms it.	The error is recovered when connecting or exchanging it.	ERR REC	
8	1	0	RAM Backup Battery Error	RAM backup battery on the CPU unit is unplugged or defective.		Check the battery connector. If it is connected correctly, replace the battery.	The error is recovered once the battery is replaced.	ERR REC	

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Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
10	0	0	ISDN Link Error	Layer1 link of ISDN lines came off.	1. Check Connection between main device and ISDN line. 2. DSU Breakdown. 3. The setting of Program 10-03 does not correspond to an actual line.	1. Confirm the data of Program 10-03. 2. Confirm wiring and the installation of DSU. 3. Check with the manufacturer if the problem occurs again.	When the connection returns normally, the error is recovered.	ERR REC	
11	0	0	CTI Link Error	The link with the CTI server came off.	1. LAN cable defective. 2. Connected HUB broken. 3. The CTI server doesn't start normally.	1. Confirm the CTI server, wiring, and the connection. 2. Check the manufacturer if the problem occurs again.	When the connection returns normally, the error is recovered.	ERR REC	
14	0	0	LAN Link Error	The link with LAN on CPU came off.	1. LAN cable defective. 2. Connected HUB broken. 3. Defective CPU.	Confirm the operation of LAN connector, LAN cable, and HUB again.	When the connection returns normally, the error is recovered.	ERR REC	
15	0	0	Network Keep Alive	1. The network connection has been cut. 2. Network Keep Alive restoration. 3. Response notification on network Keep Alive.	1. LAN cable is defective. 2. Net side trouble. 3. Packet blocked by firewall. 4. Repetition of IP address.	1. Confirm that the defect is on the Network side. 2. Confirm the settings of HUB and the router, etc.	When the connection returns normally, the error is recovered.	ERR REC WAR	(V1.5 Added)
17	1	0	Denial of service	The system received illegal packet.	Service outage (Dos attack)	Confirm whether to find abnormality on the net side.		WAR	
18	1	0	Connection Error	Digital Station Wiring Error	The wiring connection between the Multiline terminal and the system has an issue.	Check all wiring in between the Multiline terminal and the digital station card.		MAJ	
30	2	0	SMDR Buffer full	The temporary buffer for SMDR in main device overflowed, and a part of output SMDR data disappeared because it could not output SMDR data.	1. Problem of wiring to connect main device with PC. 2. PC Problem.	1. Confirm whether there is problem in wiring to connect a main device with PC. 2. Execute the reactivation of PC.	When the output is restarted, the error is recovered. However, the SMDR data after the error occurs is not recorded.	ERR REC	

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Program

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Alarm No.	Type	Re-port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
31	1	0	Security Sensor detected	Sensor detected abnormality.	Sensor detected abnormality.	Especially, anything need not be done.		INF	
32	1	0	Automatic Transmission from Remote Surveillance	Remote watch function did auto dialing.	Remote watch function did auto dialing.	Especially, anything need not be done.		INF	
50	1	0	System Start Notification	The system started.	The system was started.	No action needed.			
51	0	0	System Data change	CPU Upgrade is performed or Programming change is made.		No action needed.			
54	2	0	License Management Table Full	A new TCP/IP terminal and the DSP board were not able to be added to the application license management table. • The license management table is registering full.	Maximum 512 license information on the TCP/IP terminal is registered, and a new terminal cannot be registered.	Please delete license information on an unnecessary TCP/IP terminal with Program 90-44.		WAR	
55	2	0	Regular maintenance exchange notification.	The regular maintenance exchange day has passed.	• The regular maintenance exchange day that had been set with Program 90-51 exceeded it.	Please do the maintenance exchanges of pertinent parts, and set the next regular maintenance exchange day with Program 90-51.	The excess on the regular maintenance exchange day is canceled by changing Program 90-51 or when the function is invalidated, the error is recovered.	ERR REC	
57	2	0	IP Collision error	Check the IP Address collision (CPU, VOIPDB, Program 84-26-01 GW : 1 ~ 8).	Collision IP Address in the network.	Check the IP Address in the network.	Recover the IP Address collision.	WAR	
59	2	0	Networking port limit exceeded	Total number of ports exceeded the limit of 168 ports in the network.	• New extension or trunk ports are added. • A new system is added in Program 10-27-01. • A new system is connected to the network. • EXIFU is connected.	Reduce extensions or trunks not to exceed 168 ports in the network.	When the total number of ports becomes 168 or less, the error is recoverd.	ERR	(V1.5 Added)

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Alarm No.	Type	Re-port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
60	2	0	SIP Registration Error Notification.	1. The registration of the SIP trunk to the SIP server failed. 2. The registration of the SIP trunk to the SIP server failed in the authentication. 3. There is no response from the SIP server to the SIP registration request.	1. The setting of the system data is wrong. 2. The setting of the router is wrong. 3. It is an error to the link of LAN. 4. Net side trouble.	1. Confirm the following system data setting -- Programs 10-12, 10-28, 10-29, 10-30, and 10-36. 2. Confirm the setting of routers. 3. Confirm whether abnormality occurs on the net side. 4. Confirm the authentication system data setting. 5. Confirm wiring and the system data setting. Please inquire on uncertain points of the maker.	The error is recovered when normally connecting it.	ERR REC	
61	0	0	SIP extension trouble information.	1. Failed registration of the SIP extension terminal. 2. The SIP extension terminal was not acquired: • At Regist of the SIP extension terminal to SL1100. • When you cannot acquire the DSP resource when it sent.	1. The registered port is used by other extension. 2. The license is insufficient. 3. DSP of VoIPDB not acquired.	1. Confirm wiring and the system data setting. 2. Confirm whether each equipment such as access points works normally.		ERR REC	

Program

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Program

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Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
63	0	0	SIP-MLT trouble information.	1. The trouble occurred by the SIP-MLT relation. 2. The DSP resource could not be acquired at incoming/outgoing. 3. The negotiation with VoIPDB failed.	1. The packet loss occurred on the network or the wiring cutting occurred. 2. DSP of VoIPDB not acquired.	Confirm whether each equipment such as wirings and HUB is normal.		WAR	
64	1	0	VoIPDB LAN Link Error.	The link of LAN of VoIPDB came off.	1. LAN cable is defective. 2. Connected HUB broken. 3. Defect CPU.	1. Confirm LAN connector and wiring. 2. Check with maker on uncertain points.	When the connection returns normally, the error is recovered.	ERR REC	
65	0	0	VOIPDB trouble information.	When DSP of VoIPDB notifies Error.	VoIPDB. Defective.	1. Possibility of defective hardware. 2. Check with maker on uncertain points.		WAR	
66	2	0	SIP extension License Error.	More than the number of licenses to which the SIP extension terminal was turned on at REGISTER.	• Wrong number of licenses.	1. Confirm the number of licenses for SIP extension terminals. 2. Check with maker on uncertain points.	When the number of registration of SIP extension terminals falls below the number of licenses.	WAR	
67	0	0	SIP illegal Packet received	The system received illegal packet.	A client or network was illegal state.	Check with maker on uncertain point, when happening frequently when operating it.		INF	
68	2	0	VoIPDB DSP All Busy Alarm	1. Provides alert when all DSP resources are being used. 2. Used to troubleshoot or alerting when upgrade is needed.	Not enough DSP resources in system.	Install VMDB with more DSP resources.			

Conditions

• The entire terminal that has an Alarm Display setting can be set at Program 90-50-01.

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- System Alarm Type is shown despite the setting done at 90-10-01. If multiple Alarm Display Setting is set, only one highest priority alarm will be shown on a LCD Display.
- The priority level (highest -> lowest) : Alarm 55 > Alarm 7 > Alarm 5 > Alarm 30 > Alarm 8 > Alarm 52> Alarm 29 > Free Demo License Period.

Feature Cross Reference

None

Program

90

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Program 90 : Maintenance Program

90-11 : System Alarm Report

Level:
IN

Description

Use **Program 90-11 : System Alarm Report** to define the details of the system alarm report.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
02	**Report Method**	0 = No Report 1 = E-mail Address	When alarm reports are e-mailed, set this option to 1. E-mail address set in 90-11-08.	0	
06	**SMTP Host Name**	Up to 255 Characters	When alarm reports are e-mailed, set the SMTP name (ex : smtp.your-isp.com). Contact your ISP (internet service provider) for the correct entry if needed.	No Setting	
07	**SMTP Host Port Number**	0 ~ 65535	When alarm reports are e-mailed, set the SMTP host port number. Contact your ISP (internet service provider) for the correct entry if needed.	25	
08	**To E-mail Address**	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address to which the report should be sent.	No Setting	
09	**Reply Address**	Up to 255 Characters	When alarm reports are e-mailed, set the e-mail address where replies should be e-mailed.	No Setting	
10	**From Address**	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address for the station sending the report.	No Setting	
11	**DNS Primary Address**	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS primary address.	0.0.0.0	
12	**DNS Secondary Address**	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS secondary address.	0.0.0.0	
13	**Customer Name**	Up to 255 Characters	When alarm reports are e-mailed, enter a name to identify the particular system.	No Setting	
14	**Change SMTP Client** (V2.0 Added)	0 = No 1 = Yes	In case of YES uses a PRG47-18 SMTP client.(MEMDB/CF mounting is required.) To Address (PRG 90-11-08), CC Mail Address (PRG 90-25-01) Up to 48 characters. In case of No uses a PRG 90-11 SMTP client.	0	90-11-08 90-25-01 47-18 90-11

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Item No.	Item	Input Data	Description	Default	Related Program
15	**DIMLOG Notification** (V2.0 Added)	0 = No 1 = Yes	PRG 90-11-14=YES (PRG 47-18 SMTP Client uses) and CF mount are necessary. In the case of System Fault, Dimlast.gz and Dimdump.gz are notified.	0	90-11-14

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-12 : System Alarm Output

Level:
IN

Program

90

Description

Use **Program 90-12 : System Alarm Output** to set the options for the alarm report. This program has six separate menu options. Define the output port to be used as the output for system alarm report and set the system alarm options. The system can have up to 50 reports.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Output Port Type**	0 = No setting 5 = Compact Flash	Indicate the type of connection used for the System Alarms.	0

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-13 : System Information Output

Level:
IN

Description

Use **Program 90-13 : System Information Output** to define the output port to be used as the system information output.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Output Port Type**	0 = No setting 5 = Compact Flash	Indicate the type of connection used to print the system information.	0
05	**Output Command**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	*This program only be able to access by Telephone programming.*	-

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-16 : Main Software Information

Level:
IN

Description

Program

90

Use **Program 90-16 : Main Software Information** to display the main software information on the CPU.

Input Data

Item No.	Item	Input Data	Default
01	**Version Number**	Read Only: 01.00 ~ 99.99	ASCII Code (5 Bytes)
02	**Software Release Date**	Read Only: May 22 2002 17 : 53 : 46	ASCII Code (20 Bytes)

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-17 : Firmware Information

Level:
__IN__

Description

Use **Program 90-17 : Firmware Information** to display the firmware versions of the various system units.

Input Data

Item No.	Item	Input Data	Default
01	**DSP Firmware Version No.**	Read Only: 00.00.00.00 ~ 15.15.15.15	BCD Code (2 Byte)

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-19 : Dial Block Release

Level:
SA

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

When the extension number is entered in **Program 90-19 : Dial Block Release**, the extension is released from the Dial Block restriction.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Description	Default
01	**Delete IP Telephone**	[Release ?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	This assignment removes the station number association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

• Code Restriction/Toll Restriction

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Program 90 : Maintenance Program

90-20 : Traffic Report Data Setup

Program

90

Description

Use **Program 90-20 : Traffic Report Data Setup** to define the details of the traffic report.

Input Data

Item No.	Item	Input Data	Default
01	**Call Traffic Output**	0 = Not Measured 1 = Measure	0
03	**All Line Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
04	**DTMF Receiver Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
05	**Dial Tone Detector Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
06	**Caller ID Receiver Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
07	**Voice Mail Channel All Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
09	**Attendant Channel All Busy Output**	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
11	**Security Sensor Dial Record** Record Security sensor dialing and Remote Inspection dialing to security report	0 = Not Recorded 1 = Recorded	1

Conditions

None

Feature Cross Reference

• Traffic Reports

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Program 90 : Maintenance Program

90-21 : Traffic Report Output

Level:
IN

Program

90

Description

Use **Program 90-21 : Traffic Report Output** to define the output port to be used as the traffic report output.

Input Data

Item No.	Item	Input Data	Default
01	**Output Port Type**	0 = No setting 3 = LAN	0

Conditions

None

Feature Cross Reference

• Traffic Reports

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Program 90 : Maintenance Program

90-23 : Deleting Registration of IP Telephones

Level:
IN

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-23 : Deleting Registration of IP Telephones** to delete the registered IP telephone from the system.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Description	Default
01	**Delete IP Telephone**	[Delete?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	This assignment removes the station number association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-24 : System Alarm Report Notification Time Setup

Level:
IN

Program

90

Description

Use **Program 90-24 : System Alarm Report Notification Time Setup** to set the date and time for the alarm report to print.

Input Data

Notification Number	1 ~ 12

Item No.	Item	Input Data	Default
01	**Month**	00 ~ 12 (0 = Not Set)	00
02	**Day**	00 ~ 31 (0 = Not Set)	00
03	**Hour**	00 ~ 23	00
04	**Minute**	00 ~ 59	00

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-25 : System Alarm Report CC Mail Setup

Level:
IN

Program

90

Description

Use **Program 90-25 : System Alarm Report CC Mail Setup** to define the mail address to receive the system alarm report CC Mail setup.

Input Data

CC Number	1 ~ 5

Item No.	Item	Input Data	Default
01	**CC Mail Address**	Up to 255 Characters	No setting

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-26 : Program Access Level Setup

Level:
IN

Description

Use **Program 90-26 : Program Access Level Setup** to define the password access level required to change a system program.

Input Data

Program Numbers	1001 ~ 9903

Item No.	Item	Input Data	Default
01	**Maintenance Level**	Level 1 = MF Level Level 2 = IN Level Level 3 = SA Level Level 4 = SB Level	Refer to the Level indication for each individual program (located in the upper left corner at the beginning of each program).

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program
90-28 : User Programming Password Setup

Level:
IN

Program

90

Description

Use **Program 90-28 : User Programming Password Setup** to set the password used to enter the user programming mode.

Input Data

Extension Numbers	Maximum eight digits

Item No.	Item	Input Data	Default
01	**Password**	Fixed four digits	1111

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-31 : DIM Access over Ethernet

Level:
IN

Description

Use **Program 90-31 : DIM Access over Ethernet** to enable DIM (Diagnostic Information Maintenance) access over the LAN, and to define the user name and password. DIM is a maintenance tool used by engineering to extract trace level information.

Input Data

Item No.	Item	Input Data	Default
01	**Access Enabling**	0 = Disable 1 = Enable	0 (Disable)
02	**Username**	20 characters (alphanumeric)	SL1100
03	**Password**	20 characters (alphanumeric)	12345678

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-33 : Preselected Data Setup

Program

90

Level:
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **90-33 : Preselected Data Setup** to setup the system to preselected setting.

Input Data

Item No.	Item	Input Data	Default
01	**China**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
02	**Chile**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
04	**Taiwan**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
05	**Korea**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
06	**Hong Kong**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
07	**Brazil**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
08	**Malaysia**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
09	**Thailand**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below
10	**India**	Dial **1** + press **Hold** (Press **Hold** only to cancel.)	Refer below

Default

China

Program No.	Name	Default
10-02-01	**Country Code**	86 (For China)
14-02-09	**Busy Tone Detection**	1 (All trunks : On)
14-02-18	**Busy Tone Detection on talking**	1 (All trunks : On)
15-03-15	**Disconnect without dial after hooking hold**	1 (All stations = Disconnect)
20-01-09	**Camp-on cancel time**	30
20-02-12	**Mode setting for incoming call from extension**	1 (Signaling call)
20-17-01	**Operator's Extension number**	101 (Operator 1 = 101)
20-31-02	**Callback / Trunk Queuing Cancel Time**	30
20-31-07	**Ring No Answer Alarm Time**	30
20-31-08	**DIL/Incoming Ring Group No Answer Time**	30
20-31-19	**DISA Conversation Warning Tone Timer**	180

Program No.	Name	Default
21-03-01	Trunk Group Routing for Trunks	1 (All trunks : All modes : Group1)
22-01-03	Incoming ring no answer alarm start Timer	30
22-01-04	Normal DIL incoming no answer Timer	30
22-01-08	DID (DDI) Pilot Call No answer timer	30
22-08-01	Second IRG Setup for unanswered	1 (All trunks : All modes : IRG1)
25-03-01	DUD/DISA Transfer Ring Group at Wrong dialing	1 (All trunks : All modes : IRG1)
25-04-01	DUD/DISA Transfer Ring Group at No answer/ Busy	1 (All trunks : All modes : IRG1)
25-07-07	DISA Conversation Warning Tone Timer	180
30-02-01	DSS Console Extension Assignment	101 (Console No.1 = 101)
80-04-06	ON min. time (Busy Tone for Trunk)	9
80-04-07	ON max. time (Busy Tone for Trunk)	12
80-04-08	OFF min. time (Busy Tone for Trunk)	9
80-04-09	OFF max. time (Busy Tone for Trunk)	12
80-04-12	Frequency No 1 (Busy Tone for Trunk)	2
80-04-14	Twit Level-Rcv1/Rcv2/Rcv3	1
80-05-01	Date Format	1 (yy/mm/dd)
80-07	Call Progress Tone Detector Frequency Setup (Table2)	45
81-01-09	Time ringing signal stop detection time	70 (4.5 s)
82-04-08	Maximum hook flash time	132 (660 ms)
15-03-09	Caller ID Function	1
15-03-14	Forwarded Caller ID display mode	1
40-07	Voice Prompt Language Assignment for VRS	15
47-02-16	Voice Prompt Language (All Station Mailbox Number)	15
47-06-14	Voice Prompt Language (All Group Mailbox Number)	15
47-07-03	Prompt Language (All Routing Mailbox Number)	15
47-10-03	Voice Prompt Language (All Trunk port Number)	15

Chile

Program No.	Name	Default
10-01-01	- Year	5
10-01-02	- Month	7
10-01-03	- Day	10
10-01-04	- Week (1 : SUN)	4
10-01-05	- Hour	18
10-01-06	- Minute	30
10-01-07	- Second	0

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Program No.	Name	Default
80-01-02	**Basic Tone No**	1 (Svc Tone 2 Unit 1)
12-01-02	**Automatic night mode switch**	0
20-02-07	**Display mode of Date and Time**	8
20-02-09	**Disconnect Supervision**	1
20-02-12	**Mode setting for incoming call from extension**	1
20-07-11	**Force Trunk disconnection (Analog trunk only)**	1 (Class 1 ~ 15)
20-07-12	**Trunk port disable**	1 (Class 1 ~ 15)
20-08-08	**Dial Block**	1 (Class 1 ~ 15)
20-09-04	**Notification for Incoming Call List existence**	0 (Class 1 ~ 15)
20-11-12	**External Call Forward (Off-Premise)**	1 (Class 1 ~ 15)
20-13-01	**Long conversation alarm**	0 (Class 1 ~ 15)
20-13-15	**Break-In**	0 (Class 1 ~ 15)
20-13-16	**Broken-in**	0 (Class 1 ~ 15)
20-13-20	**Account Code/Toll Restriction Operator Alert**	0 (Class 1 ~ 15)
20-13-26	**Group listening service**	1 (Class 1 ~ 15)
20-13-31	**Connected Line identification (COLP)**	1 (Class 1 ~ 15)
21-01-06	**Dial pause at first digit**	1
21-08-01	**Time of Repeat Dial**	5
21-08-02	**Interval of Repeat Dial**	15
21-08-03	**Repeat Dial Calling Timer**	10
24-02-01	**Transfer to busy extension**	1
24-02-03	**No answer time for call forward**	30
25-07-07	**DISA Conversation Warning Tone Time**	0
25-07-08	**DISA Conversation Disconnect Timer**	0
40-10-01	**VRS Fixed Message**	0
14-01-06	**SMDR print-out**	1 (All Trunk)
14-01-13	**Trunk to Trunk transfer**	1 (All Trunk)
14-02-09	**Busy Tone Detection**	1 (All Trunk)
11-12-16	**Trunk access via Networking**	715
11-12-29	**Direct extension call pickup**	866
20-17-01	**Operator's Extension number**	101 (Operator 1 = 101)
30-02-01	**DSS Console Extension Assignment**	101 (DSS Console No.1 = 101)
10-02-01	**Country Code**	56
15-02-01	**Display Language Selection**	12

Program

90

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Program No.	Name	Default
40-07-01	**Voice Prompt Language Assignment for System based**	7
47-02-16	**Voice Prompt Language**	7
47-06-14	**Voice Prompt Language**	7
47-07-03	**Prompt Language**	7
47-10-03	**Voice Prompt Language**	7

Taiwan

Program

90

Program No.	Name	Default
15-01-01	**Extension Name**	- (Delete all station name)
20-02-12	**Forced Intercom Ringing**	1
21-04-01	**Toll Restriction Class for Extensions**	1 (Class 1, EXT 200 ~ 295, mode 1 ~ 4)
21-05-07	**Permit code table**	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-05-08	**Restriction table**	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-06-06	**Permit code table**	PmitTBL 1 = None PmitTBL 2 = None PmitTBL 3 = 080, 081 PmitTBL 4 = 110, 119
21-06-07	**Restriction table**	TollRes 1 = 0204 TollRes 2 = 00, 01, 0204, 100, 108 TollRes 3 = 0, 100, 18, 108 TollRes 4 = @
31-02-01	**Internal Paging Group Assignment**	1 (All stations)
31-02-02	**Internal Paging Group Assignment**	1 (All stations)
14-02-10	**Caller ID**	1 (Trunks 1 ~ 27)
22-04-01	**Incoming Extension Ring Group Assignment**	Set to 101-108 (IRG1)
11-09-01	**Trunk Access Code**	0
11-01-01	**System Numbering**	0 for Type 3 Trunk access code 9 for Type 5 operator
10-20-01	**LAN Setup for External Equipment (SMDR)**	DEVICE 5 set to 1
35-01-01	**SMDR-Output Port Type**	1 (Port 1 only)
35-01-04	**SMDR-Omit Digits**	0 (Port 1 only)
35-02-09	**SMDR-Extension Number or Name**	1 (Port 1 only)
35-02-14	**SMDR-Date**	1 (Port 1 only)
20-02-07	**Time and Date Display Mode**	5
15-03-03	**Terminal Type**	1 (All stations)
21-01-06	**Dial pause at first digit**	1

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Program No.	Name	Default
20-13-01	**Long Conversation Alarm**	0 (Class 1 only)
20-13-22	**Called Party Status**	1 (Class 1 only)
20-09-04	**Notification for Incoming Call List existence**	0 (Class 1 only)
14-02-18	**Busy tone detection on talking**	1 (Trunks 1 ~ 27)
14-02-19	**Busy tone detection frequency**	3 (Trunks 1 ~ 27)
14-02-20	**Busy tone detection interval**	10 (Trunks 1 ~ 27)
80-04-06	**ON Minimum RCV2 time**	7
80-04-08	**OFF Minimum RCV2 time**	7
14-02-09	**Busy tone detection**	1
80-04-12	**TONE RCV 2 frequency 1**	1 (Table 1)
80-04-13	**TONE RCV 2 frequency 2**	2 (Table 2)
80-07-01	**Call progress TONE detector frequency**	TABLE 1 set to 48 TABLE 2 set to 62
14-02-04	**Flash For Timed Flash or Disconnect**	0 (Trunks 1 ~ 27)
81-01-14	**Flash (Hooking 1)**	20
81-01-15	**Flash (Hooking 2)**	30
20-19-02	**Caller ID Wait Timer**	2
20-07-01	**Manual Night Service Enabled**	1 (Class 1 only)
25-03-01	**DID/DISA Transfer Ring Group With Incorrect Dialing**	1 (Trunks 1 ~ 27 Mode 1)
25-04-01	**DID/DISA Transfer Ring Group With No Answer/ Busy**	1 (Trunks 1 ~ 27 Mode 1)
25-07-02	**DID/DISA No Answer Time**	16
25-07-11	**DID/DISA Answer Delay Timer**	3
32-02-01	**Door Box Ring Assignment**	Set to EXT.101-108; DOOR 1; Mode 1-2
40-07-01	**Voice Prompt Language Assignment for Voice Mail**	9
81-07-01	**CODEC Filter Setup for Analog Trunk Ports**	0 (Trunks 1 ~ 27)
25-07-03	**Disconnect after DID/DISA re-transfer to IRG**	180
20-02-11	**Default Setting of Microphone of Key Telephone**	0
24-02-03	**Delayed Call Forwarding Time**	16
14-02-02	**Ring Detect Type This option to sets Extended Ring Detect or Immediate Ring Detect for the trunk**	1 (Trunks 1 ~ 27)
20-07-11	**Forced Trunk Disconnect (analog trunk only) Enables/disables an extension's ability to use Forced Trunk Disconnect**	1 (Class 1 only)
20-03-04	**Trunk Call Dial Sending Time by SLT**	1
25-02-01	**DID/DISA Talkie to assign the VRS message number**	Trunks 1 ~ 27 Talkie = 1 Mode 1 data = 1 (Day Mode) Mode 2 data = 2 (Night Mode)

Program

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Program No.	Name	Default
25-05-01	**VRS/DISA Error Message Assignment**	4 (Trunks 1 ~ 27 Mode 1, 2)
40-10-08	**Call Attendant Message - when Busy**	8
40-10-09	**Call Attendant Message - when No Answer**	9
25-06-02	**DID/DISA One-Digit Code Attendant Setup**	MSG (1, 2, 4, 8, 9) Recv. 9 data=101
14-01-13	**Loop Disconnect Supervision**	1 (Trunks 1 ~ 27)
21-03-01	**Trunk Group Routing for Trunks**	1 (Trunks 1 ~ 27 Mode 1, 2)
20-11-12	**Call Forwarding Off-Premise**	1 (Class 1 only)
25-07-07	**DISA Conversation Warning Tone Time**	0
12-02-01	**Automatic night service Patterns**	01 ~ 02 set to 08 : 30 Mode Group 1 only
12-02-01	**Automatic night service Patterns**	01 ~ 01 set to 08 : 30 Mode Group 1 only
12-02-01	**Automatic night service Patterns**	01 ~ 03 set to 17 : 30 Mode Group 1 only
12-02-01	**Automatic night service Patterns**	01 ~ 02 set to 17 : 30 Mode Group 1 only
10-02-01	**Country Code**	886
80-01-01	**Repeat count**	6

Korea

Program No.	Name	Default
10-02-01	**Country Code**	82
11-01-01	**Dial * Digit**	1
11-09-02	**2nd TRK Access**	6
11-10-20	**Ope VRS Msg**	#716
11-12-27	**Call Pickup**	*
12-02-01	**Automatic night service Patterns (Start of time)**	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 00:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 18:00
12-02-02	**Automatic night service Patterns (End of time)**	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 18:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 00:00
12-02-03	**Automatic night service Patterns (Mode No.)**	ModeGrp 1-4, Time Pattern 01, Set Time 01 = Mode3 ModeGrp 1-4, Time Pattern 01, Set Time 02 = Mode1 ModeGrp 1-4, Time Pattern 01, Set Time 03 = Mode2
12-03-01	**Night mode week setting**	sun = Pttrn 3, sat = Pttrn 2 Mode Group 1-4
14-01-13	**TRK-TRK Transfer**	1
14-02-04	**Flash for timed Flash or Disconnect**	0
14-02-05	**DTD-Manual DI**	0
14-02-09	**Busy Tone Detection**	1
14-02-10	**Caller ID**	1

Program

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Program No.	Name	Default
14-02-18	**Busy Tone Detection Talking**	1
15-01-01	**Extension Name**	-
15-03-09	**Extension Display**	1
15-03-15	**Hook disconnect mode**	1
16-01-03	**Auto Step Call**	1
16-01-04	**Hunting Mode**	1
16-01-08	**Max Queue No**	32
20-02-04	**Transfer Retrieve**	1
20-02-11	**Microphone of Key telephone**	0
20-02-12	**ICM Call Type**	1
20-03-03	**SLT DTMF Dial**	0
20-03-04	**Dial Start**	1
20-03-07	**Forced Dial**	0
20-07-01	**Manual night Service Enabled**	1
20-08-09	**Hotline**	1
20-08-20	**Hot key Pad**	1
20-13-01	**Long Conversation Alarm**	0
20-13-22	**Call Party Status**	1
20-17-01	**Attendant**	101
20-19-02	**Caller ID wait timer**	0
21-01-06	**1st Digit P**	1
21-01-09	**Hotline Start**	3
21-04-01	**T/R Class for Extension**	1
21-05-07	**Permit code table**	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-06-06	**Permit code table**	PmitTBL 1 = None PmitTBL 2 = 119, 112, 113, 080
21-05-08	**Restriction Table**	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-15-01	**2nd TRK Ace Route TBL**	2
22-01-11	**Msg Interval**	10
22-14-01	**Message1 Start Time**	1
22-14-03	**MSG1 Count**	1
22-14-05	**MSG2 Count**	1
22-14-07	**Disconnect Time**	1
22-15-01	**Message1 Start Time**	1
22-15-03	**MSG1 Count**	1
22-15-05	**MSG2 Count**	1
22-15-07	**Disconnect Time**	1
24-02-03	**CFW not answer Time**	15
24-02-04	**TRF Recall time**	15
25-01-02	**without Password**	0

Program

90

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Program

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Program No.	Name	Default
25-07-01	VRS Dial Time	5
25-07-02	DISA No Answer Time	60
25-07-03	DISA Disconnect Retransfer to IRG	30
31-02-01	Internal Paging Group	1
31-02-02	Internal all Paging Group	1
32-01-02	Door Box Lock Cancel	1
35-01-04	SMDR-Omit Digits	0
35-02-09	SMDR-Extension Number or Name	1
35-02-14	SMDR-Date	1
80-04-06	ON Minimum RCV2 Time	7
80-04-08	OFF Minimum RCV2 Time	7
80-04-12	TONE RCV 2 Frequency 1	2
80-04-13	TONE RCV 2 Frequency 2	3
80-07-01	Busy Tone Frequency	table 2 ~ 48, table 3 ~ 62
81-01-09	Signal Stop Dtct	80
81-01-14	Flash (Hooking 1)	20
81-01-15	Flash (Hooking 2)	30
81-07-01	CODEC Filter Setup for analog Trunk Ports	0 (Trunks 1 ~ 27)
82-04-04	Max. Break TM	14
82-04-07	Min. Flash TM	17
82-04-08	Max. Flash TM	120

Hong Kong

Program No.	Name	Default
14-01-13	Loop Disconnect Supervision	1 (Trunks 1 ~ 27)
14-02-02	Ring Detect Type	1 (Trunks 1 ~ 27)
14-02-04	Flash for Timed Flash or Disconnect	0 (Trunks 1 ~ 27)
14-02-09	Busy Tone Detection	1 (Trunks 1 ~ 27)
14-02-10	Caller-ID	1 (Trunks 1 ~ 27)
14-02-18	Busy Tone Detection on Talking	1 (Trunks 1 ~ 27)
14-02-19	Busy Tone Detention Frequency	3 (Trunks 1 ~ 27)
14-02-20	Busy Tone Detention Interval	10 (Trunks 1 ~ 27)
20-02-12	Forced Intercom Ringing	1
20-03-03	SLT DTMF Dial	1
20-03-04	Trunk Call Dial Sending Time by SLT	1
20-07-01	Manual Night Service Enabled	1 (Class 1 only)

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Program No.	Name	Default
20-13-01	Long Conversation Alarm	0 (Class 1 only)
20-13-22	Called Party Status	1 (Class 1 only)
20-17-01	Operator Extension Number	101
20-19-02	Caller ID Wait Timer	0
21-01-06	Dial pause at first digit of dialing	1
22-01-11	VRS Waiting Message Interval Time	10
24-02-03	Delayed Call Forwarding Time	15
31-02-01	Internal Paging Group Number	1 (All stations)
31-02-02	Internal All Call Paging Receiving	1 (All stations)
32-01-02	Door Lock Cancel Time	2
80-01-02	Tone 14 Intercom Ring-Back Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit2Basic TN)	0
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit1Duration)	10
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit2Duration)	20
80-04-12	TONE RCV2 (Frequency 1)	2
80-04-13	TONE RCV2 (Frequency 2)	3
80-07-01	Table 2 (Frequency)	48
80-07-01	Table 3 (Frequency)	62
81-01-14	Flash (Hooking 1)	25
81-07-01	CODEC Filter Type for analog trunk port	0 (Trunks 1 ~ 27)
10-02-01	Country Code	852

Program

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Brazil

Program No.	Name	Default
10-20-01	TCP Port SMDR Ex - Dev 5	60000
11-01-01	System Numbering - ACC Operator	Dial = 9 (1 = Digit) Type (5 = Opr)
11-01-01	System Numbering - ACC Trunk	Dial = 0 (1 = Digit) Type (3 = Trunk)
11-09-01	Trunk Access Code for Type 3	0
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 04 = S 1300, E 1700, M1 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 05 = S 1700, E 0000, M2 ModeGrp 1

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Program No.	Name	Default
12-02-01	**Automatic Night Service Pattern (Time Pattern 2)**	Set Time 01 = S 0000, E 0800, M2 ModeGrp 1
12-02-01	**Automatic Night Service Pattern (Time Pattern 2)**	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1
12-02-01	**Automatic Night Service Pattern (Time Pattern 2)**	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1
12-02-01	**Automatic Night Service Pattern (Time Pattern 2)**	Set Time 04 = S 1300, E 1600, M1 ModeGrp 1
12-02-01	**Automatic Night Service Pattern (Time Pattern 2)**	Set Time 05 = S 1600, E 0000, M2 ModeGrp 1
12-02-01	**Automatic Night Service Pattern (Time Pattern 3)**	Set Time 01 = S 0000, E 0000, M2 ModeGrp 1
12-03-01	**Weekly Night Service Switching**	01 = Sunday, 3 ModeGrp 1
12-07-01	**Text Data for Night Mode**	
	Day / Night Mode 1	Dia (Mode Grp 1)
	Day / Night Mode 2	Noite (Mode Grp 1)
	Day / Night Mode 3	Almoço (Mode Grp 1)
	Day / Night Mode 4	- (Mode Grp 1)
	Day / Night Mode 5	- (Mode Grp 1)
	Day / Night Mode 6	- (Mode Grp 1)
	Day / Night Mode 7	- (Mode Grp 1)
	Day / Night Mode 8	- (Mode Grp 1)
14-01-01	**Trunk Name**	Linha 01 ~ 51
14-01-13	**Loop Disconnect Supervision**	1 (All Trunk)
14-01-14	**Long Conversation Cut Off**	1 (All Trunk)
14-01-15	**Long Conversation Alarm before Cut Off**	1 (All Trunk)
14-01-17	**Trunk to Trunk Warning Tone For Long Conversation Alarm**	1 (All Trunk)
14-01-18	**Warning Beep Tone Signaling**	1 (All Trunk)
14-02-04	**Flash for Timed Flash or Disconnect**	1 (All Trunk)
14-02-09	**Busy Tone Detection**	1 (All Trunk)
14-02-12	**Detect Network Disconnect Signal**	1 (All Trunk)
15-01-01	**Extension Name**	101: 101 ~ 184: 184
15-02-12	**Off Hook Signaling Type**	4 (All stations)
15-02-33	**Multi Language Calendar Display on LCD**	1 (All stations)

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Program No.	Name	Default
15-02-34	**Call Register Mode**	1 (All stations)
15-03-12	**Fixed Cadence**	0 (All stations)
15-07-01	**Programmable Function Key**	Key 21 : 00 Key 22 : 00 (All stations)
20-01-01	**Operator Access Mode**	1
20-02-07	**Time and Date Display Mode**	5
20-02-09	**Disconnect Supervision**	1
20-02-11	**Default Setting Microphone of KTS**	0
20-02-12	**Forced Intercom Ringing**	1
20-07-01	**Manual Night Service Enabled**	1 (Class 1 Only)
20-07-11	**Forced Trunk Disconnect**	1 (Class 01 ~ 15)
20-13-01	**Long Conversation Alarm**	0 (Class 01 ~ 15)
20-15-01	**Normal Incoming Call of Trunk**	11
20-15-03	**Internal Incoming Call**	10
20-15-05	**DID**	11
20-15-09	**Call Back**	10
20-16-01	**Selectable Display Message**	
	Message Number 1	REUNIÃO_# # : # #
	Message Number 2	SERVIÇO_EXTERNO
	Message Number 3	RETORNA_ # # : # #
	Message Number 4	LIGAR _ # # # # # # # # # #
	Message Number 5	LIGAR_APÓS_ # # : # #
	Message Number 6	ALMOÇO
	Message Number 7	VIAGEM _ ATÉ # # / # #
	Message Number 8	FÉRIAS_ ATÉ # # / # #
	Message Number 9	FORA DE SERVIÇO
	Message Number 10	AUSENTE_ATÉ # # / # #
20-31-02	**Callback / Trunk queuing cancel time**	7200 (Class 01 ~ 15)
22-09-01	**Expected Number of Digits**	2 (TRK G.10 only)
24-02-01	**Busy Transfer**	1
25-01-02	**DISA User ID**	0 (All Trunk)
26-02-01	**Dial Data**	
	Dial Analysis Table number 151	00@@@@@@@@@@
	Dial Analysis Table number 152	01@@@@@@@@@@
	Dial Analysis Table number 153	02@@@@@@@@@@
	Dial Analysis Table number 154	03@@@@@@@@@@
	Dial Analysis Table number 155	04@@@@@@@@@@
	Dial Analysis Table number 156	05@@@@@@@@@@

Program

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Program No.	Name	Default
	Dial Analysis Table number 157	06@@@@@@@@@
	Dial Analysis Table number 158	07@@@@@@@@@
	Dial Analysis Table number 159	080@@@@@@@
	Dial Analysis Table number 160	081@@@@@@@@
	Dial Analysis Table number 161	082@@@@@@@@
	Dial Analysis Table number 162	083@@@@@@@@
	Dial Analysis Table number 163	084@@@@@@@@
	Dial Analysis Table number 164	085@@@@@@@@
	Dial Analysis Table number 165	086@@@@@@@@
	Dial Analysis Table number 166	087@@@@@@@@
	Dial Analysis Table number 167	088@@@@@@@@
	Dial Analysis Table number 168	089@@@@@@@@
	Dial Analysis Table number 169	090@@@@@@@
	Dial Analysis Table number 170	091@@@@@@@@
	Dial Analysis Table number 171	092@@@@@@@@
	Dial Analysis Table number 172	093@@@@@@@@
	Dial Analysis Table number 173	094@@@@@@@@
	Dial Analysis Table number 174	095@@@@@@@@
	Dial Analysis Table number 175	096@@@@@@@@
	Dial Analysis Table number 176	097@@@@@@@@
	Dial Analysis Table number 177	098@@@@@@@@
	Dial Analysis Table number 178	099@@@@@@@@
	Dial Analysis Table number 179	1@@
	Dial Analysis Table number 180	2@@@@@@
	Dial Analysis Table number 181	3@@@@@@
	Dial Analysis Table number 182	4@@@@@@
	Dial Analysis Table number 183	5@@@@@@
	Dial Analysis Table number 184	6@@@@@@
	Dial Analysis Table number 185	7@@@@@@
	Dial Analysis Table number 186	8@@@@@@
	Dial Analysis Table number 187	90@@@@@@@@@
	Dial Analysis Table number 188	91@@@@@
	Dial Analysis Table number 189	92@@@@@
	Dial Analysis Table number 190	93@@@@@
	Dial Analysis Table number 191	94@@@@@
	Dial Analysis Table number 192	95@@@@@
	Dial Analysis Table number 193	96@@@@@
	Dial Analysis Table number 194	97@@@@@
	Dial Analysis Table number 195	98@@@@@
	Dial Analysis Table number 196	99@@@@@
26-02-02	**Service Type**	
	Dial Analysis Table number 151	1
	Dial Analysis Table number 152	1

Program

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Program No.	Name	Default
	Dial Analysis Table number 153	1
	Dial Analysis Table number 154	1
	Dial Analysis Table number 155	1
	Dial Analysis Table number 156	1
	Dial Analysis Table number 157	1
	Dial Analysis Table number 158	1
	Dial Analysis Table number 159	1
	Dial Analysis Table number 160	1
	Dial Analysis Table number 161	1
	Dial Analysis Table number 162	1
	Dial Analysis Table number 163	1
	Dial Analysis Table number 164	1
	Dial Analysis Table number 165	1
	Dial Analysis Table number 166	1
	Dial Analysis Table number 167	1
	Dial Analysis Table number 168	1
	Dial Analysis Table number 169	1
	Dial Analysis Table number 170	1
	Dial Analysis Table number 171	1
	Dial Analysis Table number 172	1
	Dial Analysis Table number 173	1
	Dial Analysis Table number 174	1
	Dial Analysis Table number 175	1
	Dial Analysis Table number 176	1
	Dial Analysis Table number 177	1
	Dial Analysis Table number 178	1
	Dial Analysis Table number 179	1
	Dial Analysis Table number 180	1
	Dial Analysis Table number 181	1
	Dial Analysis Table number 182	1
	Dial Analysis Table number 183	1
	Dial Analysis Table number 184	1
	Dial Analysis Table number 185	1
	Dial Analysis Table number 186	1
	Dial Analysis Table number 187	1
	Dial Analysis Table number 188	1
	Dial Analysis Table number 189	1
	Dial Analysis Table number 190	1
	Dial Analysis Table number 191	1
	Dial Analysis Table number 192	1
	Dial Analysis Table number 193	1
	Dial Analysis Table number 194	1
	Dial Analysis Table number 195	1

Program

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Program No.	Name	Default
	Dial Analysis Table number 196	1
26-02-03	**Additional Data**	
	Dial Analysis Table number 151	10
	Dial Analysis Table number 152	10
	Dial Analysis Table number 153	10
	Dial Analysis Table number 154	10
	Dial Analysis Table number 155	10
	Dial Analysis Table number 156	10
	Dial Analysis Table number 157	10
	Dial Analysis Table number 158	10
	Dial Analysis Table number 159	10
	Dial Analysis Table number 160	10
	Dial Analysis Table number 161	10
	Dial Analysis Table number 162	10
	Dial Analysis Table number 163	10
	Dial Analysis Table number 164	10
	Dial Analysis Table number 165	10
	Dial Analysis Table number 166	10
	Dial Analysis Table number 167	10
	Dial Analysis Table number 168	10
	Dial Analysis Table number 169	10
	Dial Analysis Table number 170	10
	Dial Analysis Table number 171	10
	Dial Analysis Table number 172	10
	Dial Analysis Table number 173	10
	Dial Analysis Table number 174	10
	Dial Analysis Table number 175	10
	Dial Analysis Table number 176	10
	Dial Analysis Table number 177	10
	Dial Analysis Table number 178	10
	Dial Analysis Table number 179	10
	Dial Analysis Table number 180	10
	Dial Analysis Table number 181	10
	Dial Analysis Table number 182	10
	Dial Analysis Table number 183	10
	Dial Analysis Table number 184	10
	Dial Analysis Table number 185	10
	Dial Analysis Table number 186	10
	Dial Analysis Table number 187	10
	Dial Analysis Table number 188	10
	Dial Analysis Table number 189	10
	Dial Analysis Table number 190	10
	Dial Analysis Table number 191	10

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Program No.	Name	Default
	Dial Analysis Table number 192	10
	Dial Analysis Table number 193	10
	Dial Analysis Table number 194	10
	Dial Analysis Table number 195	10
	Dial Analysis Table number 196	10
26-02-06	**LCR Carrier Table**	
	Dial Analysis Table number 151	1
	Dial Analysis Table number 152	2
	Dial Analysis Table number 153	2
	Dial Analysis Table number 154	2
	Dial Analysis Table number 155	2
	Dial Analysis Table number 156	2
	Dial Analysis Table number 157	2
	Dial Analysis Table number 158	2
	Dial Analysis Table number 160	2
	Dial Analysis Table number 161	2
	Dial Analysis Table number 162	2
	Dial Analysis Table number 163	2
	Dial Analysis Table number 164	2
	Dial Analysis Table number 165	2
	Dial Analysis Table number 166	2
	Dial Analysis Table number 167	2
	Dial Analysis Table number 168	2
	Dial Analysis Table number 170	2
	Dial Analysis Table number 171	2
	Dial Analysis Table number 172	2
	Dial Analysis Table number 173	2
	Dial Analysis Table number 174	2
	Dial Analysis Table number 175	2
	Dial Analysis Table number 176	2
	Dial Analysis Table number 177	2
	Dial Analysis Table number 178	2
26-05-01	**Delete Digits**	
	Carrie LCR Tabela 1	4
	Carrie LCR Tabela 2	3
34-01-05	**System Toll Restriction**	1 (All Trunk)
35-01-01	**Output Port Type**	1 (Port 1 only)
35-01-04	**Omit Digits**	0 (Port 1 only)
35-02-09	**Extension Number or Name**	1 (Port 1 only)
35-02-14	**Date data**	1 (Port 1 only)

Program

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Program No.	Name	Default
35-02-16	**Trunk Name or Received Dialed Number**	2 (Port 1 only)
40-07-01	**Voice Prompt Language Assignment**	9
40-08-01	**Voice Prompt Language Assignment**	9
80-04-04	**No Tone Time Type 2 BT**	7
80-04-06	**On Minimum Time Type 2 BT**	6
80-04-07	**On Maximum Time Type 2 BT**	8
80-04-08	**Off Minimum Time Type 2 BT**	6
80-04-09	**Off Maximum Time Type 2 BY**	8
80-07-01	**Frequency Table 1**	42
80-08-01	**Duration**	200
82-04-04	**Maximum Break Time**	14
82-04-06	**Maximum Make Time**	14
82-04-07	**Minimum Hook Flash Time**	16
82-04-08	**Maximum Hook Flash Time**	70
10-02-01	**Country Code**	55
15-02-01	**Display Language Selection**	1
47-02-16	**Voice Prompt Language**	13
47-06-14	**Voice Prompt Language**	13
47-07-03	**Prompt Language**	13
47-10-03	**Voice Prompt Language**	13

Program 90

Brazil - PRG80-01 Service Tone Setup -

Service Tone Setup	Unit	80-01-01	80-01-02	80-01-03	80-01-04
Internal Dial Tone TONE 2	1	0	0	1	32
	2	-	1	10	32
Special Dial Tone TONE 3	1	0	0	1	32
	2	-	1	1	32
Busy Tone TONE 6	1	0	0	2	32
	2	-	1	2	32
Ring Back Tone TONE 14	1	0	0	40	32
	2	-	1	10	32
External Ring Back Tone TONE 45	1	0	0	40	32
	2	-	1	10	32
	3	-	-	-	-
	4	-	-	-	-
External Busy Tone TONE 46	1	0	0	2	32
	2	0	1	2	32

Malaysia

Program No.	Name	Default
10-02-01	**Country Code**	60

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Thailand

Program No.	Name	Default
10-02-01	**Country Code**	66

India

Program No.	Name	Default
10-02-01	**Country Code**	91

Conditions

None

Program

90

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-34 : Firmware Information

Level:
IN

Program

90

Description

Use **Program 90-34 : Firmware Information** to list the package type and firmware units installed in the system.

Input Data

Slot Number	00 ~ 12 (V1.5 Changed)

Item No.	Item	Input Data	Default
01	**Package Name**	Read Only: PKG Name	-
02	**Firmware Version Number**	Read Only: 00.00 ~ 15.15	-
03	**VOIPDB Software Version**	Read Only: DEV/PR/REL - 00.00.00.00.00.00 DEV/PR/REL - FF.FF.FF.FF.FF.FF	-
04	**DSP Project Number**	Read Only: 00000000 - FFFFFFFF	-
05	**Vocallo Firmware Version**	Read Only: 00.00.00.00 - FF.FF.FF.FF	-
06	**OCT1010ID Version**	Read Only: 00.00.00.00 - FF.FF.FF.FF	-

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-35 : Wizard Programming Level Setup

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-35 : Wizard Programming Level Setup** to set the maintenance level for Wizard Programming.

Input Data

Wizard Number	1 ~ 250

Item No.	Item	Input Data	Default
01	**Maintenance Level**	Read Only: 0 = All (Display Data) 3 = SB (System Administrator B) (Display Data) 4 = SA (System Administrator A) (Display Data) 5 = IN (Installer Level) (Display Data) 6 = MF (Manufacture Level) (Display Data)	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-36 : Firmware Update Time Setting

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-36 : Firmware Update Time Setting** to define the data for the firmware update feature. This data is available to set from the PC Programming FW update feature.

The following firmware is available to update with this feature:

- main.bin
- Dspdbu.bin
- dsp.bin
- intradbu.bin is not supported

Input Data

Item No.	Item	Input Data	Default	Description
01	**Firmware Update Schedule Time**	Read only Year : 0 ~ 99 Month : 0 ~ 12 Day : 00 ~ 31 Hour : 00 ~ 23 Minute : 00 ~ 59	0	Set the time to update the firmware using a compact flash card. Time registration fails if an expired time is registered.
02	**Update mode**	Read only 0 = Non Active 1 = Activated	0	Activate the Firmware Update feature. If this setting is 1, new firmware on the compact flash card updates according to the setting at 90-36-01.
03	**Update Report**	Read only Maximum 256 characters	-	Output a report when the update is executed and saves one copy on the system. If a new update occurs, the new report overwrites the old report. Refer to the Sample Report on page 2-566 shown.

Sample Report

Result	Report Display
Update Success	**Update Success**
Update Fail	**Update is fail. Since 'A' drive is not available.**
Update Fail	**Update is fail. Since main up is not exist on A drive.**
Update Fail	**Update is fail. Since Time is expired.**

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Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-38 : User Programming Data Level Setup

Level:
IN

Description

Use **Program 90-38 : User Programming Data Level Setup** sets system data to turn on/off each User Programming Feature.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Time setting**	0 = Turn Off 1 = Turn On	1 = Turn On	10-01 (11-10-03)
02	**Change of music on hold tone**	0 = Turn Off 1 = Turn On	1 = Turn On	10-04 (11-10-02)
03	**Automatic Night Service Pattern**	0 = Turn Off 1 = Turn On	1 = Turn On	12-02
04	**Weekly Night Service Switching**	0 = Turn Off 1 = Turn On	1 = Turn On	12-03
05	**Text Data for Night Mode**	0 = Turn Off 1 = Turn On	1 = Turn On	12-07
06	**Holiday Night Service Switching**	0 = Turn Off 1 = Turn On	1 = Turn On	12-04
07	**DISA User ID Setup**	0 = Turn Off 1 = Turn On	1 = Turn On	25-08
08	**Mail Box Setup**	0 = Turn Off 1 = Turn On	1 = Turn On	40-02
09	**Text Messages Setup**	0 = Turn Off 1 = Turn On	1 = Turn On	20-16
10	**Incoming Ring Group Setup**	0 = Turn Off 1 = Turn On	1 = Turn On	22-04
11	**Abbreviated Dial Number and Name**	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-04 13-04
12	**Night-mode switching Other Group**	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-12
13	**DSS Key Assignment**	0 = Turn Off 1 = Turn On	1 = Turn On	30-03
14	**Doorphone Ringing Assignment**	0 = Turn Off 1 = Turn On	1 = Turn On	32-02
15	**Extension Numbering**	0 = Turn Off 1 = Turn On	1 = Turn On	11-02
16	**Extension Name**	0 = Turn Off 1 = Turn On	1 = Turn On	15-01-01
17	**Night-mode switching Own Group**	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-01

Program

90

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Item No.	Item	Input Data	Default	Related Program
18	**Call Forward-Immediate/No Answer /Both Ring**	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-01 11-11-03 11-11-05
19	**Call Forward-Busy**	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-02
20	**Trunk Incoming Ring Tone**	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-20 15-02-02
21	**Internal Incoming Ring Tone**	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-20 15-02-03
22	**Display Language Selection**	0 = Turn Off 1 = Turn On	1 = Turn On	15-02-01
23	**Toll Restriction Override Password**	0 = Turn Off 1 = Turn On	1 = Turn On	21-07
24	**User Programming Password**	0 = Turn Off 1 = Turn On	1 = Turn On	90-28
25	**Programmable Function Key**	0 = Turn Off 1 = Turn On	1 = Turn On	15-07
26	**Virtual Extension Ring Assignment**	0 = Turn Off 1 = Turn On	1 = Turn On	15-09
27	**One Touch Key Assignment**	0 = Turn Off 1 = Turn On	1 = Turn On	15-14
28	**Trunk Name**	0 = Turn Off 1 = Turn On	1 = Turn On	14-01-01
29	**Automatic Transfer per Trunk**	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-06 11-10-07
30	**SPD Area No.**	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-08 24-04
31	**Telephone Data Copy**	0 = Turn Off 1 = Turn On	1 = Turn On	92-01
32	**Dial in Name**	0 = Turn Off 1 = Turn On	1 = Turn On	22-11-03
33	**LCD Line Key Name Assignment**	0 = Turn Off 1 = Turn On	1 = Turn On	15-20
34	**IntraMail Station Mailbox Options**	0 = Turn Off 1 = Turn On	1 = Turn On	47-02

Program

90

Conditions

None

Feature Cross Reference

• Maintenance

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Program 90 : Maintenance Program

90-39 : Virtual Loop Back Port Reset

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-39 : Virtual Loop Back Port Reset** to reset to initial status.

Input Data

Item No.	Item	Input Data	Default
01	**Virtual Loop Back Reset**	[Reset?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

• PC Programming

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Program 90 : Maintenance Program

90-41 : Server Setting to Update Terminal Local Data

Level:
IN

Program

90

Description

Use **Program 90-41 : Server Setting to Update Terminal Local Data** to define the Primary DNS Server address, the Secondary DNS Server address and the Data Roaming Server address.

Input Data

Server Information	1 ~ 13

Item No.	Item	Input Data	Default
01	**Server Address Type**	0 = IPv4 1 = IPv6	0
02	**Server Address**	IPv4 form (xxx.xxx.xxx.xxx) IPv6 form (xxxx : xxxx : xxxx: xxxx: xxxx)	None
03	**Port Number**	0 ~ 65535	0

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-42 : DR700 Multiline Terminal Version Information

Level:
IN

Program

90

Description

Use **Program 90-42 : DR700 Multiline Terminal Version Information** to set the hardware version and firmware version of the DR700 MLT Terminal.

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH

Item No.	Item	Input Data	Default
01	**Software Version**	00.00.00.00 ~ FF.FF.FF.FF	00.00.00.00
02	**Hardware Version**	00.00.00.00 ~ FF.FF.FF.FF	00.00.00.00

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-43 : Deleting Terminal License of DR700

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-43 : Deleting Terminal License of DR700** to delete the terminal license information delivered to the DR700 terminal.

Input Data

Extension Number	Up to eight digits

Item No.	Item	Input Data	Default
01	**Delete Terminal License**	[Delete?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-44 : Deleting Terminal License of TCP Interface

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-44 : Deleting Terminal License of TCP Interface** to delete the terminal license information delivered to the terminal with a TCP interface.

Input Data

License Delete Code	000-000-000 ~ 999-999-999

Item No.	Item	Input Data	Default
01	**Delete Terminal License**	[Delete?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-45 : Temporary Password Change for Multiline Telephone

Level:
IN

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-45 : Temporary Password Change for Multiline Telephone** to change the Temporary Password that is set in the Encryption function.

Input Data

Item No.	Item	Input Data	Default
01	**Temporary Password Change Request**	00.00.00.00 ~ FF.FF.FF.FF Change? (Yes = 1)	00.00.00.00

Conditions

• This Program is activated when the Program 10-46-07 set to "1".

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-50 : System Alarm Display Setup

Level:
IN

Program

90

Description

Use **Program 90-50 : System Alarm Display Setup** to set the system alarm report display.

Input Data

Index Number	01 ~ 50

Item No.	Item	Input Data	Default
01	**System Alarm Display Telephone**	Up to eight digits	No setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program
90-51 : Alarm Setup for Maintenance Exchange

Level:
IN

Program

90

Description

Use **Program 90-51 : Alarm Setup for Maintenance Exchange** to set the day for the maintenance exchange of parts that need regular maintenance.

Input Data

Index	1 ~ 10

Item No.	Item	Input Data	Default
01	**Display Name**	Up to 16 characters	Refer below
02	**Year**	00 ~ 99	00
03	**Month**	01 ~ 12	00
04	**Day**	01 ~ 31	00

Index	Default
01	--- No setting ---
02	Backup battery
03	--- No setting ---
04 ~ 10	--- No setting ---

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-52 : System Alarm Save

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-52 : System Alarm Save** for the system alarm output operation.

Input Data

Item No.	Item	Input Data	Default
01	**Save All Alarm Reports**	Print All? (1 = Yes)	-
02	**Save New Alarm Reports**	Print All? (1 = Yes)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-53 : System Alarm Clear

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-53 : System Alarm Clear** to clear the system alarm.

Input Data

Item No.	Item	Input Data	Default
01	**Clear All Alarm Reports**	All Clear? (1 = Yes)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-54 : PC/Web Programming

Level:
IN

Description

Program

90

Use **Program 90-54 : PC/Web Programming** sets parameters for PC and Web Programming.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Web Pro TCP port number**	1 ~ 65535	The port number of TCP of the Web programming is set. The port number of new TCP is not reflected from the Web Pro to the logout of all users of the Web Pro who is logging in the system after data is changed in the setting.	80
02	**PC Pro TCP port Number**	1 ~ 65535	The port number of TCP of the PC programming is set. The port number of new TCP is not reflected from the PCPro to the logout of all users of the PCPro who is logging in the system after data is changed in the setting.	8000

Conditions

None

Feature Cross Reference

• PC Programming

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Program 90 : Maintenance Program

90-55 : Free License Select

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-55 : Free License Select** to validate the Free License.

Input Data

Item No.	Item	Input Data	Default
01	**Start Free License**	0 = Stop 1 = Start	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-56 : NTP Setup

Level:
IN

Program

90

Description

Use **Program 90-56 : NTP Setup** to set the NTP.

Input Data

Item No.	Item	Input Data	Default
01	**NTP Synchronize**	0 = No 1 = Yes	0
02	**Server Address**	IPv4 form : xxx.xxx.xxx.xxx IPv6 form : xxxx.xxxx.xxxx.xxxx.xxxx	No setting

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-57 : Backup Recovery Data

Level:
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-57 : Backup Recovery Data** to backup the system data in the Compact Flash memory on the CPU and to make the recovery data.

Input Data

Data ID	1 ~ 5

Item No.	Item	Input Data	Default
01	**Backup Recovery Data**	[Backup?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-58 : Restore Recovery Data

Level:
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-58 : Restore Recovery Data** to select the recovery data stored in the Compact Flash memory of the CPU. After this command is executed, the system restarts automatically.

Input Data

Data ID	1 ~ 5

Item No.	Item	Input Data	Default
01	**Restore Recovery Data**	[Restore & Reset?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-59 : Delete Recovery Data

Level:
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-59 : Delete Recovery Data** to select and delete the recovery data stored in the Compact Flash memory of the CPU.

Input Data

Data ID	1 ~ 5

Item No.	Item	Input Data	Default
01	**Delete Recovery Data**	[Delete?] : Dial **1** + press **Hold** (Press **Hold** only to cancel.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-60 : T1/ISDN Layer Status Information

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-60 : T1/ISDN Layer Status Information** to display layer status information for T1 packages.

Input Data

Slot No.	00 ~ 12 (V1.5 Changed)

Item No.	Item	Input Data	Default
01	**Link Status**	Read Only: - = No Link 0 = Link N/A = No card seen in slot	None

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-62 : Security ID Information

Level:
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-62 : Security ID Information** to view the information for Security ID.

Input Data

Item No.	Item	Input Data	Default
01	**Security ID**	Read Only 0 ~ 9, A ~ F (Maximum 32 characters)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-63 : DR700 Control

Level:
IN

Program

90

Description

Use **Program 90-63 : DR700 Control** to adjust settings of the DR700.

Input Data

Item No.	Item	Input Data	Default
01	**Priority Timer**	0 ~ 255	80

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-65 : 1st Party CTI Authentication Password Setup

Level:
SA

Program

90

Description

Use **Program 90-65 : 1st Party CTI Authentication Password Setup** to set the authentication password.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Password**	Up to 16 characters	Sets the authentication password when the 1st Party CTI application is connected to the system via a NAT router. If a password is not set, the system does not certify it.	nec-i

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-66 : FTP Firmware Update setup

Level:
IN

Description

Use **Program 90-66 : FTP Firmware Update setup** to setup the Login info to connect to the FTP Server.

Program

90

Input Data

Item No.	Item	Input Data	Description	Default
01	**User Name**	Up to 32 characters		SLSYSTEM
02	**Password**	Up to 32 characters		Dra#0ftp
03	**FTP Server Host Name**	Up to 255 characters	Input URL or IP Address of FTP Server. Use xxx.xxx.xxx.xxx format in case of IP Address.	ftp.necii.com
04	**FTP Server TCP Port**	0 ~ 65535		21
05	**DNS Primary Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
06	**DNS Secondly Address**	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 90 : Maintenance Program

90-67 : Backup Data Auto-save Interval Time Set

Level:
IN

Program

90

Description

Use **Program 90-67 : Backup Data Auto-save Interval Time Set** to set time interval D-RAM data that is saved in F-ROM memory.

D-RAM memory : Configuration information such as call transfer and Do Not Disturb.

Input Data

Item No.	Item	Input Data	Default
01	**Interval time**	0 ~ 255 0 = Do not Auto-save 1 = 30 min 2 = 60 min 3 = 90 min : 255 = 30 min (127 hr)	48 (24 hr)

Conditions

None

Feature Cross Reference

None

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Program 90 : Maintenance Program

90-68 : Side Tone Auto Setup

Level:
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use Program **90-68 : Side Tone Auto Setup** to setup the volume level of Side Tone for each Analog Trunk Port.

This program will change the setting of "PRG 81-07 CODEC Filter Setup for analog Trunk Port" If the Analog Port is in used or if it is other than a Analog Trunk Port then it will give out the error message.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	**Adjustment Start**	Trunk Port Number 001 ~ 084	This will start the Adjustment of Side Tone for each Analog Trunk Port. If it is successful it will change the PRG 81-07. If it is successful it will ask to change it for all Analog Trunk Port.. If you select to change the Setting All Analog Trunk Port it will change all the Port in 81-07.	No Setting	81-07-01 21-01-05 21-01-06 14-01-07 21-06-06 21-05-07
02	**1 digit data**	Dial (1 dight)	This setting will ask to use the digit after Line is retrieved.	0	-

Conditions

None

Feature Cross Reference

None

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Program 92 : Copy Program

92-01 : Copy Program

Level:
IN

Program

92

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-01 : Copy Program** to copy the data for one program to another multiline terminal, port, group, or other number. Refer to the following charts to see which programs can be copied.

Input Data

Program Number	XX ~ XX

Item No.	Item	Input Data	Description
01	**Source Number**	• For Trunk Base : Trunk Port Number 001 ~ 084 • For Trunk Group Base : Trunk Group Number 01 ~ 25 • For Extension Base : Extension Number Maximum eight digits • For Department Group Base : Department Group Number 01 ~ 32 • For DSS : DSS Console Number 01 ~ 12 • For Door Phone: Door phone number : 1 ~ 6	Enter the extension, trunk, group or other number from which the data is to be copied.
	Destination Number (From)		Enter the first extension, trunk, group or other number to which the information is to be copied.
	Destination Number (To)		Enter the last extension, trunk, group or other number to which the information is to be copied. If the information is being copied only to one extension, trunk, group or other number, enter the information entered in the Destination Number (From) entry.

The Copy Program is applicable only for the following programs :

Trunk Port Base

Program No.	Program Name	Note
14-01	**Trunk Basic Data Setup**	Copy all data except Trunk Name (Item 01).
14-02	**Analog Trunk Data Setup**	
14-04	**Behind PBX Setup**	
14-08	**Music on Hold Source for Trunks**	
14-09	**Conversation Recording Destination for Trunk**	
20-30	**Timer Class for Trunk**	
21-03	**Trunk Group Routing for Trunks**	
21-12	**ISDN Calling Party Number Setup for Trunk**	
21-21	**Toll Restriction for Trunks**	
21-22	**CO Message Waiting Indication**	
22-02	**Incoming Service Type Setup**	
22-03	**Trunk Ring Tone Setup**	

Program No.	Program Name	Note
22-05	**IRG Assignment for Normal Ring Trunk**	
22-08	**Second IRG Setup for Unanswered DIL / IRG**	
31-05	**Incoming Ring Tone Audible on External Speaker**	
81–07	**Codec Filter Setup for Analog Trunk Port**	

Trunk Group Base

Program No.	Program Name	Note
35-03	**SMDR Port Assignment for Trunk Group**	

Program

92

Extension Base

Program No.	Program Name	Note
15-01	**Extension Basic Data Setup (include Virtual Extension)**	Copy all data except extension name (item 01).
15-02	**Multiline Telephone Basic Data Setup**	
15-03	**Single Line Telephone Basic Data Setup**	
15-06	**Trunk Access Map for Extension**	
15-07	**Programmable Function Key**	
15-08	**Incoming Virtual Extension Ring Tone Setup**	
15-09	**Virtual Extension Ring Assignment**	
15-10	**Incoming Virtual Extension Ring Tone Order Setup**	
15-11	**Virtual Extension Delayed Ring Assignment**	
15-12	**Conversation Recording Destination for Extension**	
15-17	**CO Message Waiting Indication**	
15-18	**Virtual Extension Key Enhancement Option**s	
20-06	**Class of Service for Extension**	
20-29	**Timer Class for Extension**	
21-02	**Trunk Group Routing for Extensions**	
21-04	**Toll Restriction Class for Extensions**	
21-11	**Hotline Assignment**	
23-02	**Call Pickup Groups**	
23-03	**Ringing Line Preference**	
23-04	**Ringing Line Preference for Virtual Extensions**	
24-03	**Park Group Assignment**	
31-02	**Internal Paging Group Assignment**	
82-14	**Handset/Headset Gain Setup for Multi-Line Telephone**	

Department Base

Program No.	Program Name	Note
16-01	**Department (Extension) Group Basic Data Setup**	Copy all data except Group Name (Item 01).
35-04	**SMDR Port Assignment for Department Group**	

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DSS Console Base

Program No.	Program Name	Note
30-01	**DSS Console Operation Mode**	
30-03	**DSS Key Assignment**	

Door Box Base

Program No.	Program Name	Note
32-02	**Door Box Ring Assignment**	

Program

92

Conditions

• Using this program to copy a multiline terminal Programmable Function Keys, copies all keys whether or not they exist on the terminal to which the programming is being copied. This may cause confusion when trying to define a key which is already defined but which does not exist on the terminal (displays as DUPLICATE DATA). It is recommend to either clear these non-existent keys or copy only from an extension which has the same or fewer numbers of keys than the extension to which the programming is being copied.

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 92 : Copy Program

92-02 : Delete All Extension Numbers

Level:
IN

Program

92

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-02 : Delete All Extension Numbers** to delete all extension numbers <Program 11-02>, <Program 11-04>. However, the extension number of the first port is not deleted.

Input Data

Item No.	Item	Input Data	Description	Default
01	**Extension Number**	Delete Yes : 1	[Dial 1] + **Hold** key (Only press **Hold** key is canceled.)	-

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 92 : Copy Program

92-03 : Copy Program by Port Number

Level:
IN

Program

92

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-03 : Copy Program by Port Number** to copy extension and the data of each outside line.

Input Data

Program Number	XX-XX

Item No.	Item	Input Data	Description
01	**Source Number**	• For Trunk Base : Trunk Port Number 001 ~ 084	Enter the port number from where the data is to be copied.
02	**Destination Number (From)**	• For Trunk Group Base : Trunk Group Number 01 ~ 25 • For Extension Number : 001 ~ 100 (V2.0 Changed)	Enter the first port number to where the information is to be copied
03	**Destination Number (To)**	Including Virtual Extension : 01 ~ 50 • For Department Group Base : Department Group Number 01 ~ 32 • For DSS : (DSS Console Number 01 ~ 12	Enter the last port number to where the information is to be copied. If the information is to be copied only to one port, enter the information entered in the Destination Number (From) entry.

🖉 *Refer to Program for program that can be copied.*

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 92 : Copy Program

92-04 : Extension Data Swap

Level:
IN

Program

92

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-04 : Extension Data Swap** to swap data between two extensions.

Input Data

Item No.	Item	Input Data
01	**1st Extension Number**	Up to eight digits.
	2nd Extension Number	

The following table lists Programs that use the Extension Data Swap function.

Program Number	Program Name
11-02	Extension Numbering
12-05	Night Mode Group Assignment for Extensions
13-03	Abbreviated Dial Group Assignment for Extensions
13-06	Station Abbreviated Dial Number and Name
15-01	Extension Basic Data Setup
15-02	Multi-Line Telephone Basic Data Setup
15-03	Single Line Telephone Basic Data Setup
15-06	Trunk Access Map for Extension
15-07	Programmable Function Key
15-08	Incoming Virtual Extension Ring Tone Setup
15-09	Virtual Extension Ring Assignment
15-10	Incoming Virtual Extension Ring Tone Order Setup
15-11	Virtual Extension Delayed Ring Assignment
15-12	Conversation Recording Destination for Extension
15-14	Programming One-Touch Keys
15-17	CO-Message Waiting Indication
15-18	Virtual Extension Key Enhance Options
16-02	Department Group Assignment for Extensions
20-06	Class of Service for Extension
20-29	Timer Class for Extensions
21-02	Trunk Group Routing for Extension
21-04	Toll Restriction Class for Extension
21-07	Toll Restriction Override Password Setup
21-10	Dial Block Restriction Class per Extensions

Program Number	Program Name
21-11	Hotline Assignment
21-13	ISDN Calling Party Number Setup for Extension
21-15	Individual Trunk Group Routing for Extensions
21-18	IP Trunk (H.323) Calling Party Number Setup for Extension
21-19	IP Trunk (SIP) Calling Party Number Setup for Extension
21-20	SIP Trunk Call Discernment Setup for Extension
22-04	Incoming Ring Group Setup
22-06	Normal Incoming Ring Mode
23-02	Call Pickup Group
23-03	Ringing Line Preference
23-04	Ringing Line Preference of Virtual Extension
24-03	Park Hold Group Assignment
24-09	Call Forward Split Settings
26-04	ARS Class of Service
31-02	Internal Paging Group Assignment
41-02	ACD Agent Extension Assignment for ACD Group (V1.5 Added)
42-02	Hotel Extension Basic Data Setup
82-14	Handset/Headset Gain Setup for Multi-Line Telephone
90-28	User Programming Password Setup
92-05	Data Swap Password of each Extension Setup

Program

92

Conditions

None

Feature Cross Reference

None

Program 92 : Copy Program

92-05 : Extension Data Swap Password

Level:
IN

Program

92

Description

Use **Program 92-05 : Extension Data Swap Password** to define the 4-digit password for each extension to allow Extension Data Swap.

Input Data

Extension Number	Up to eight digits.

Item No.	Item	Input Data	Description	Default	Related Program
01	**Password**	Fixed four digits (No setting at default)	Password required on a per station basis when utilizing the station swap feature.	-	11-15-12

Conditions

None

Feature Cross Reference

None

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Program 92 : Copy Program

92-06 : Fill Command

Level:
IN

Program

92

Description

Use **Program 92-06 : Fill Command** to allocate the data of each extension number of each extension group or each table.

Input Data

Program Number	XX - XX

Item No.	Item	Input Data
01	Source Number	Each extension port = 001 ~ 100 (V2.0 Changed) (Program 11-02)
	Destination Number (From)	Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07)
	Destination Number (To)	Each ACD Group = 1 ~ 2 (V1.5 Added)

The following table lists Programs that use the Fill Command function.

Program Number	Program Name
11-02	Extension Numbering
11-04	Virtual Extension Numbering
11-07	Extension (Department) Group Pilot Number
11-17	ACD Group Pilot Number (V1.5 Added)

Conditions

None

Feature Cross Reference

None

DFW Phone 972-992-4600

Program 92 : Copy Program

92-07 : Delete Command

Level:
IN

Description

Use **Program 92-07 : Delete Command** to delete the data of each extension number of each extension group or each table.

Input Data

Program Number	XX-XX

Item No.	Item	Input Data
01	**Destination Number (From)**	Each extension port = 001 ~ 100 (V2.0 Changed) (Program 11-02)
	Destination Number (To)	Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07) Each ACD Group = 1 ~ 2 (V1.5 Added)

The following table lists Programs that use the Delete Command function.

Program Number	Program Name
11-02	Extension Numbering
11-04	Virtual Extension Numbering
11-07	Extension (Department) Group Pilot Number
11-17	ACD Group Pilot Number (V1.5 Added)

Conditions

None

Feature Cross Reference

None

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MEMO

SL1100

Programming Manual

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