



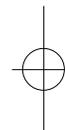
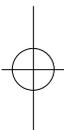
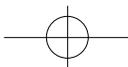
USER'S MANUAL  
Part 2

## 2.4 GHz Two-Line Cordless Speakerphone 1412 with Caller ID/Call Waiting on Handset



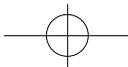
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Information, Visit Our Website At  
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Please also read  
**Part 1 — Important  
Product Information**



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## BEFORE YOU BEGIN

### Parts List

Your box should include:



*This User's Manual*

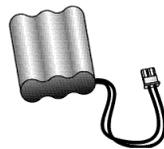


*Quick Start Guide*

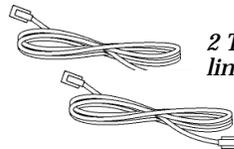
*Base unit*



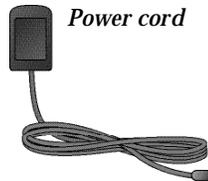
*Handset*



*NiCd battery pack*



*2 Telephone line cords*



*Power cord*

**BEFORE YOU BEGIN**

**BEFORE YOU BEGIN**

### **About Caller Identification (Caller ID)**

This product has a Caller ID with Call Waiting feature that works with service from your local phone service provider.

Caller ID with Call Waiting lets you see who's calling before you answer the phone, even when you're on another call.

You may need to change your phone service to use this feature.

Contact your phone service provider if:

- You have both Caller ID and Call Waiting, but as separate services (you may need combined service)
- You have only Caller ID service, or only Call Waiting service
- You don't subscribe to any Caller ID or Call Waiting services.

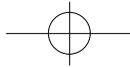
You can use this product with regular Caller ID service, and you can use this product's other features without subscribing to either Caller ID or combined Caller ID with Call Waiting service.

There are fees for Caller ID services, and they may not be available in all areas.

This product can provide information only if both you and the caller are in areas offering Caller ID service, and if both telephone companies use compatible equipment.

### **About Call History**

This phone assigns each incoming call a number from 1 to 90. The most recent call will have the highest number. Calls from both lines are stored together. When the memory is full, the oldest call information is deleted to make room for new incoming call information. See CALLER ID OPERATION, beginning on page 44, for more details.



## INSTALLATION

### Before You Install

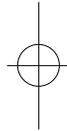
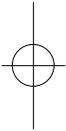
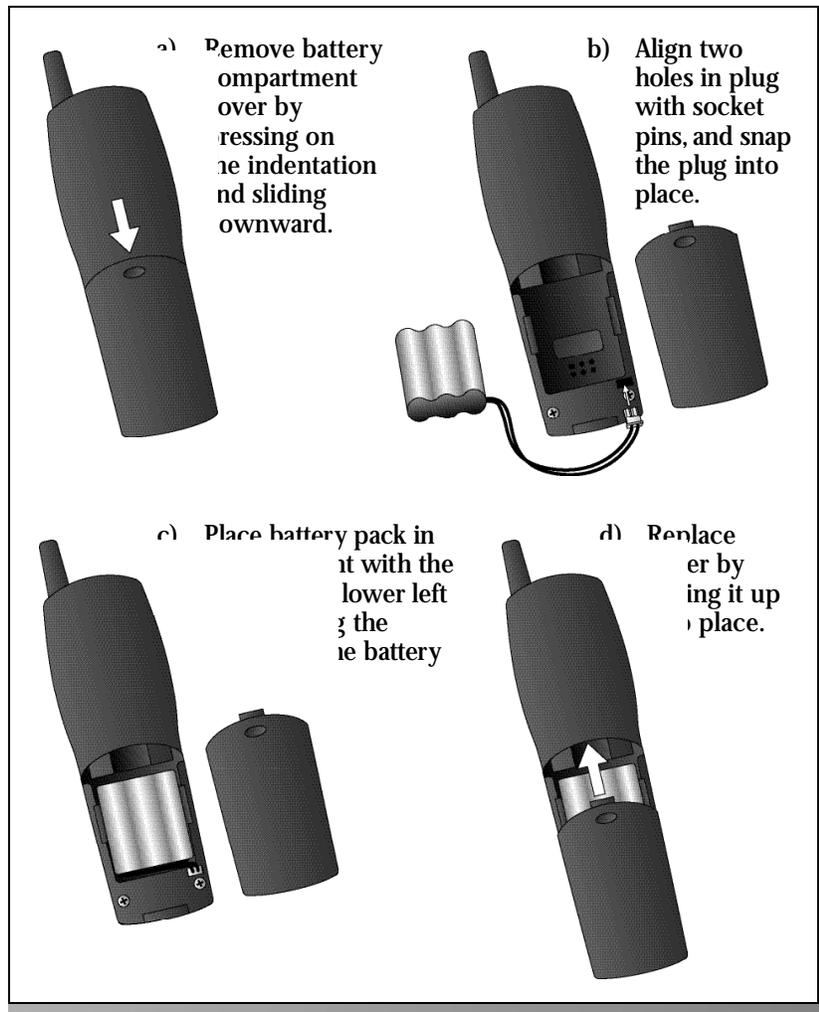
- 1 **Choose a location for the base near an electrical outlet and a telephone jack.**

This phone requires a modular telephone jack and a standard electrical outlet (110v AC) not controlled by a wall switch.

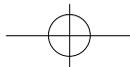
Ⓢ **NOTE: Install the base unit away from electronic equipment, such as personal computers, television sets or microwave ovens. Avoid excessive heat, cold, dust or moisture.**

- 2 **Install the handset battery.**

Use only AT&T Battery 3301:SKU #91076.



INSTALLATION



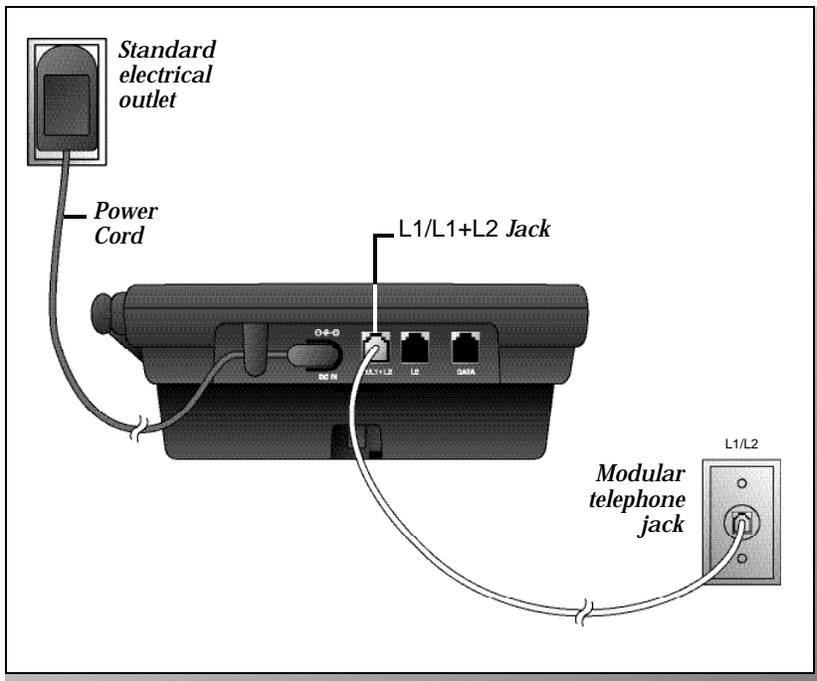
## Table/Desk Installation

### 1 Connect the power cord.

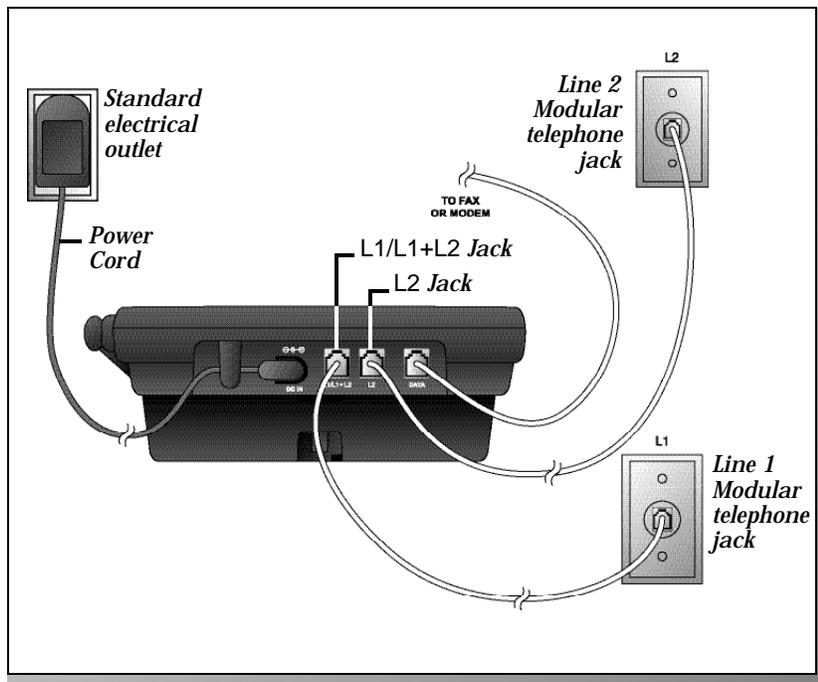
**⚠** Use only the power cord supplied with this product.  
If you need a replacement, call 1 800 222-3111.

### 2 Connect the telephone line cord(s).

**If you have a two-line jack**, use only the four-wire (RJ-14) line cord. Connect the line cord from the wall jack to the jack labeled **L1/L1+L2** on the base. Make sure the plugs snap firmly into place.



**If you have two separate jacks**, use both long line cords. Connect a line cord from the wall jack you wish to designate as your Line 1 to the jack labeled **L1/L1+L2** on the back of the base. Connect the other line cord from the remaining wall jack to the jack labeled **L2** on the back of the base. Make sure the plugs snap firmly into place.



### 3 Charge the handset battery.

Place the handset in the base. Charge the battery overnight the first time. After the first charge, the battery typically charges in eight hours.

### 4 Check for dial tone.

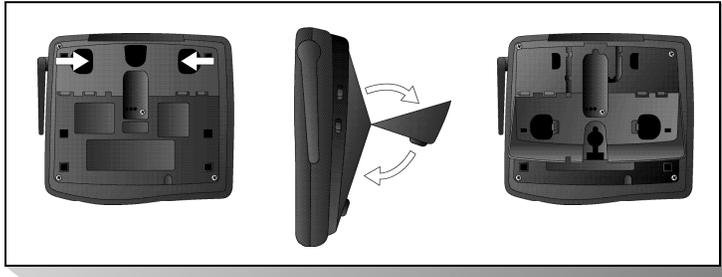
After the batteries are charged, pick up the handset, press **[LINE 1]** and listen for a dial tone. Then press **[LINE 2]**. If you don't hear a dial tone, see IN CASE OF DIFFICULTY starting on page 52.

### 5 Turn base ringers on or off.

Use the L1 RINGER and L2 RINGER switches on the right side of the base to set the base ringer volume to OFF, LOW or HIGH for each line.

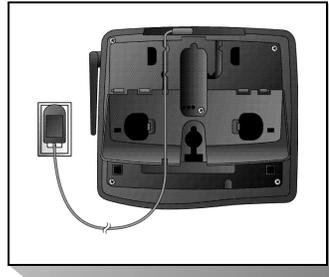
## Wall Installation

- 1 Reverse the wedge under the base.** Place your fingers in the holes as shown and swing the top of the wedge down.

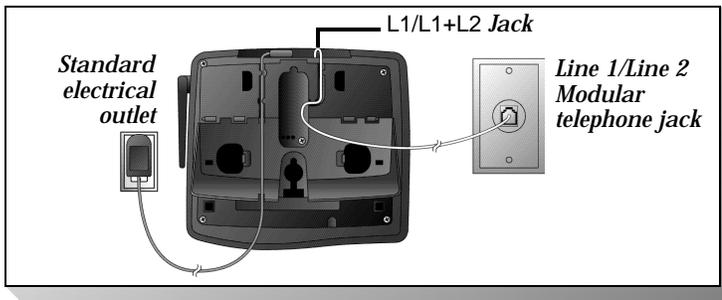


- 2 Connect the power cord and place the cord as shown.**

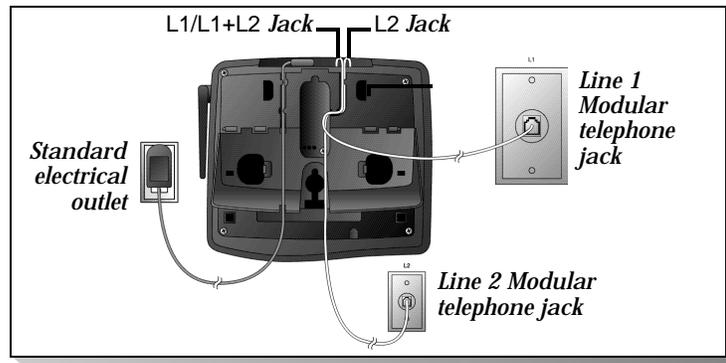
 Use only the power cord supplied with this product. If you need a replacement, call 1 800 222-3111.



- 3 Connect the telephone line cord(s).**  
***If you have a two-line jack,*** use only the four-wire (RJ-14) line cord. Connect the line cord from the wall jack to the jack labeled **L1/L1+L2** on the base. Make sure the plugs snap firmly into place.

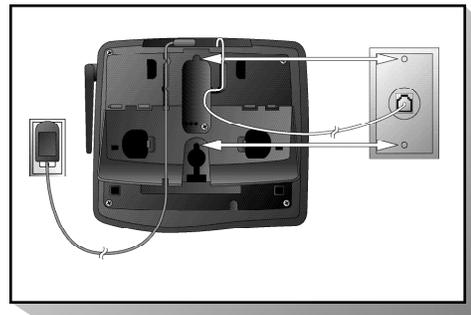


**If you have two separate jacks**, use both long line cords. Connect a line cord from the wall jack you wish to designate as your Line 1 to the jack labeled **L1/L1+L2** on the back of the base. Connect the other line cord from the remaining wall jack to the jack labeled **L2** on the back of the base. Make sure the plugs snap firmly into place.



**4 Mount base on wall.**

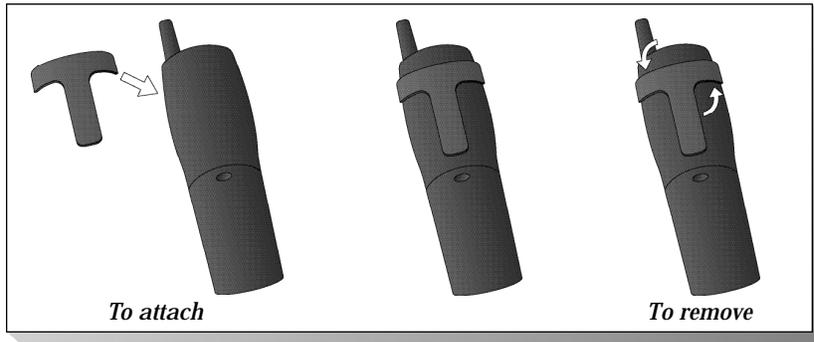
- a** Place power and line cords as shown.
- b** Align holes on base with mounting studs on wall jack.
- c** Pull base down on mounting studs until it locks into place.



**5 Follow Steps 3 – 5 in “Table/Desk Installation.”**

### Belt Clip

You may choose to use the optional belt clip with your handset.



### Headset

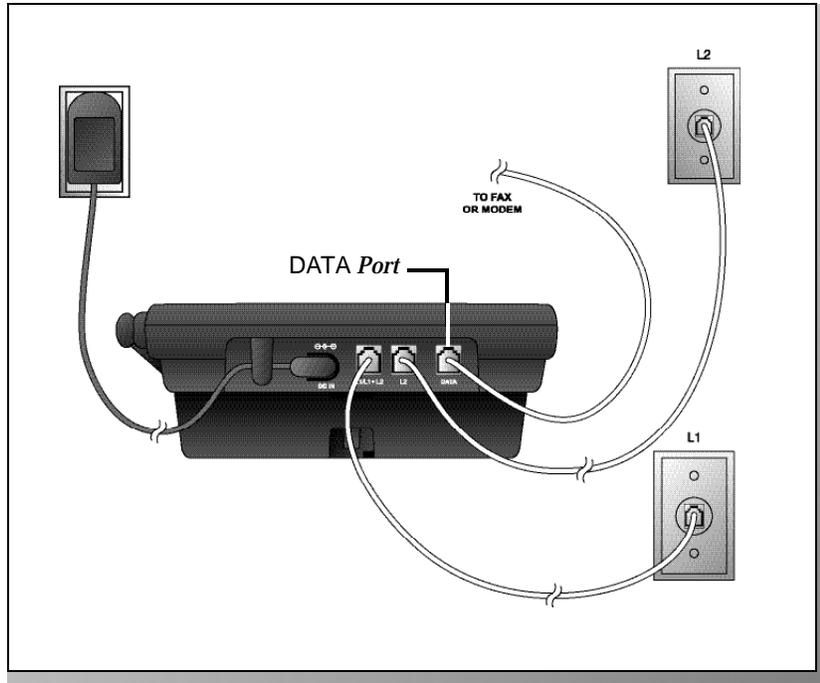
You can use this telephone hands-free when you install any industry standard 2.5 mm headset (purchased separately). For best results use an AT&T 2.5 mm headset.

Plug the headset into the jack located on the left side of the handset (under the small rubber flap). Do not force the connection, but make sure the plug fits securely.



## Data Port

If you want to connect another device (such as a modem or fax machine) to the wall jack, you can use the jack on the phone labeled **DATA**. A call picked up at another extension may interrupt a fax, modem or message transmission.



INSTALLATION

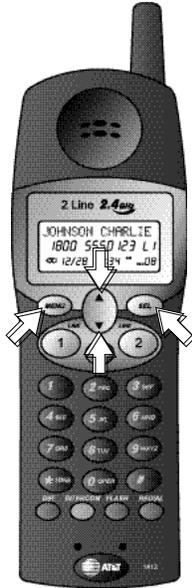
## FEATURE SETUP

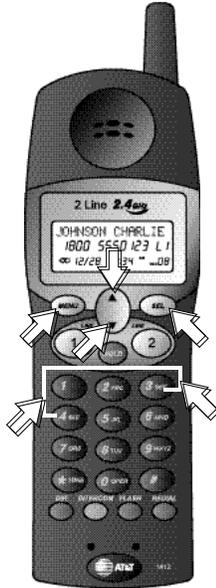
### Feature Setup Menu

Press **[MENU]** to enter the Feature Setup Menu. Use **[UP]** or **[DOWN]** to scroll through choices, then press **[SEL]** to enter your selection.

Press **[MENU]** at any time during Feature Setup to exit Feature Setup and return to the idle screen.

FEATURE SETUP

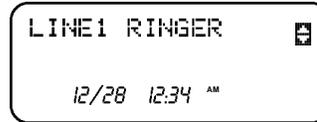




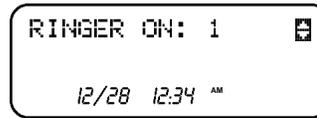
### Set Line 1 Ringer

Turn the handset ringer for Line 1 on or off and choose the ringer type when the handset ringer is turned on. The phone comes with the handset ringers for both lines turned on and set to 1.

- 1 Press **[MENU]**. The screen displays



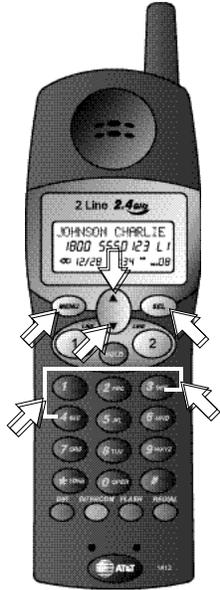
- 2 Press **[SET]**. The screen displays the current setting and looks similar to



- 3 Use **[UP]** or **[DOWN]** to switch between ON and OFF.
  - 4 If you set the Line 1 Ringer to OFF, press **[SET]** to save the setting.
- **OR** —

If you set the Line 1 Ringer to ON, press **[1]**, **[2]**, **[3]** or **[4]** on the keypad to hear a sample of each ringer type. When the desired ringer type is displayed, press **[SET]** to save the setting.

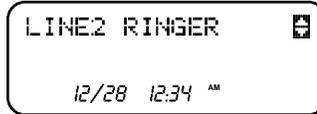
FEATURE SETUP



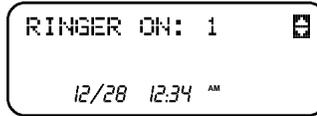
### Set Line 2 Ringer

Turn the handset ringer for Line 2 on or off and choose the ringer type when the handset ringer is turned on. The phone comes with the handset ringers for both lines turned on and set to 1.

- 1 Press **[MENU]**, then press **[2]**. The screen displays



- 2 Press **[SET]**. The screen displays the current setting and looks similar to

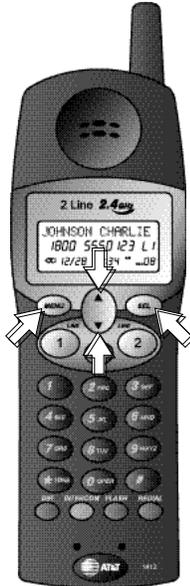


- 3 Press **[ON]** or **[OFF]** to switch between ON and OFF.

- 4 If you set the Line 2 Ringer to OFF, press **[SET]** to save the setting.

— **OR** —

If you set the Line 2 Ringer to ON, press **[1]**, **[2]**, **[3]** or **[4]** on the keypad to hear a sample of each ringer type. When the desired ringer type is displayed, press **[SET]** to save the setting.



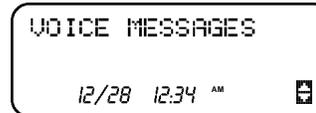
## Set Voice Messages Indicators

If you subscribe to Voice Mail service with your local telephone service provider, you can choose how you want this phone to indicate that you have Voice Mail messages for each line. Choosing VOICEMSG ON or VOICEMSG OFF affects the handset voice messages indicator for that line and the MESSAGES light on the base. Choosing INDICATE OFF will turn off the handset voice messages indicator and the MESSAGES WAITING light on the base will not show messages waiting. The phone comes set to VOICEMSG ON.

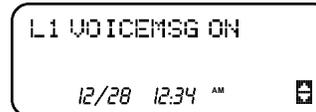
- 1 Press **[MENU]**. The screen displays



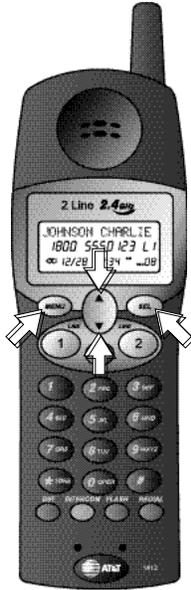
- 2 Press **[Left]** or **[Right]** until the screen displays



- 3 Press **[SEL]**. The screen displays



- 4 Press **[Left]** or **[Right]** to scroll through the options.
- 5 When your desired setting is displayed, press **[SEL]** to save the setting.
- 6 Repeat **Steps 2-5** to set the messages waiting indicators for Line 2.

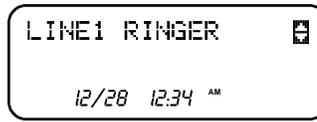


## Set Time

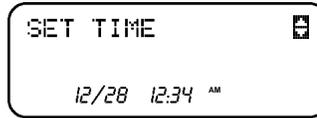
The date and time are automatically set with incoming call information. You can set the clock manually if you wish.

**NOTE:** After you replace the handset batteries and base AC power, the date and time will be reset to 1/01 12:00AM.

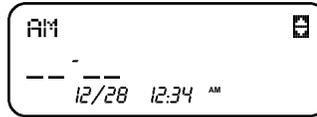
- 1 Press **[MENU]**. The screen displays



- 2 Press **[←]** or **[→]** until the screen displays

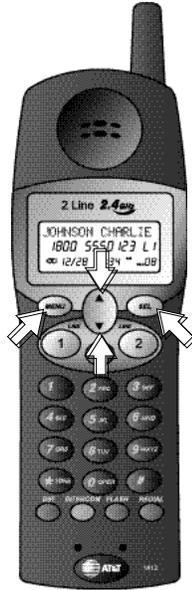


- 3 Press **[SET]**. The screen displays



and the component to be changed blinks.

- 4 Use the keypad to enter the correct hour and minutes setting. Then use **[←]** or **[→]** to switch between AM and PM.
- 5 When the desired time is displayed, press **[SET]** to save the new time setting.

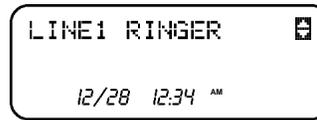


### Set Date

The date and time are automatically set with incoming call information. You can set the date manually if you wish.

**NOTE:** After you replace the handset batteries and base AC power, the date and time will be reset to 1/01 12:00AM.

- 1 Press **[MENU]**. The screen displays



- 2 Press **[Left]** or **[Right]** until the screen displays

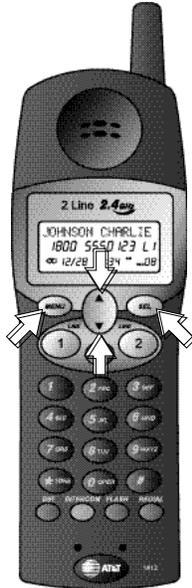


- 3 Press **[SET]**. The screen displays



- 4 Use the keypad to enter the correct month and day setting.
- 5 When the desired date is displayed, press **[SET]** to save the setting.

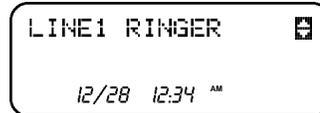
FEATURE SETUP



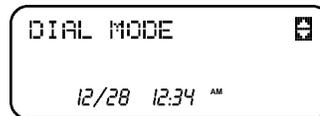
## Set Dial Mode

This phone comes set for touch tone (TONE) dialing. If you have dial pulse (rotary) service, you must set the dial mode to PULSE.

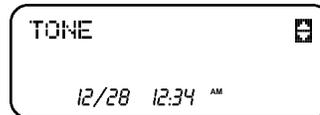
- 1 Press **[MENU]**. The screen displays



- 2 Press **[1]** or **[2]** until the screen displays



- 3 Press **[SEL]**. The screen displays



- 4 Use **[1]** or **[2]** to switch between TONE and PULSE.
- 5 When your desired setting is displayed, press **[SEL]** to save the setting.

## TELEPHONE OPERATION

### Idle Screen

When the handset is within range of the base and not on a call or in feature setup mode, the screen displays



Other icons may also be displayed. See "Display Screen Icons" for more information.

### Make a Call

At the handset

- 1 Press a **[LINE 1]** or **[LINE 2]**, then dial the number  
—OR—  
Dial the number, then press a **[LINE 1]** or **[LINE 2]**.
- 2 To end the call, press the **[END]** button again  
—OR—  
Place the handset in the base.



At the Base

- 1 Press a **[LINE 1]** or **[LINE 2]**, then dial the number. The base speakerphone is automatically activated.
- 2 To end the call, press the **[END]** button again.



TELEPHONE OPERATION

TELEPHONE OPERATION

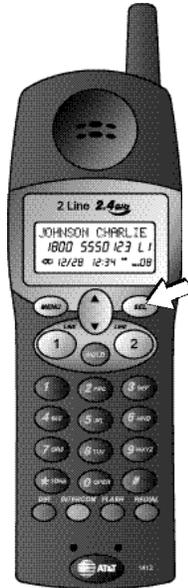
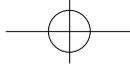


### Answer a Call

When you receive an incoming call, a LINE light flashes quickly to indicate which line the caller is using.

- 1 Press the appropriate **LINE** button to answer the call. If you are at the base, the speakerphone is automatically activated.
- 2 To end the call, press the **LINE** button again  
**—OR—**  
Place the handset in the base.



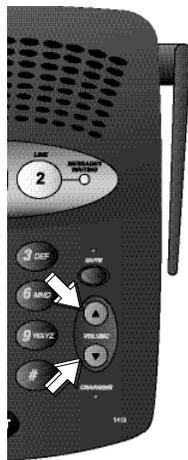
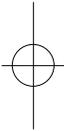


### Volume

#### At the Handset

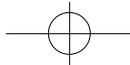
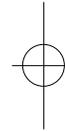
While you are on a call, you can use the key on the right side of the handset to adjust the volume of what you hear. The screen displays VOLUME and the current volume setting (1-4). Level 4 is the highest setting. Pressing the key cycles through the volume levels continuously.

TELEPHONE OPERATION

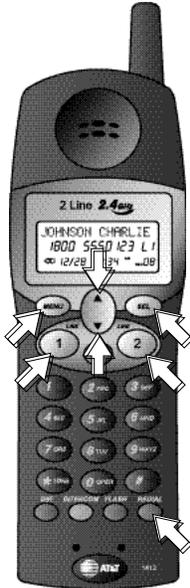


#### At the Base

While you are on a call, you can use VOLUME UP and VOLUME DOWN on the base to adjust the volume of what you hear through the base speakerphone. There are eight volume level settings. When you reach the maximum or minimum volume setting, you will hear a tone.



TELEPHONE OPERATION



## Redial

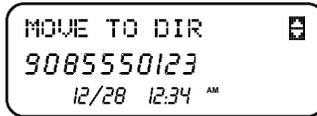
### At the Handset

The handset stores the last five numbers dialed from the handset.

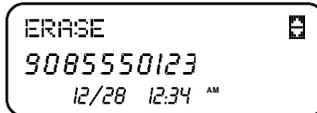
- 1 Press **[RECALL]**. The screen displays the last number dialed from the handset.
- 2 Use **[←]** or **[→]** to scroll through the numbers stored in the redial memory.
- 3 Press a **[LINE]** button. The phone automatically calls the displayed number.

### Erase a Number from Handset Redial Memory

- 1 Press **[RECALL]**. The screen displays the last number dialed from the handset.
- 2 Use **[←]** or **[→]** to scroll through the numbers stored in the redial memory.
- 3 When the number you want to erase is displayed, press **[MENU]**. The screen displays



- 4 Press **[←]**. The screen displays



- 5 Press **[SET]**. The number is removed from handset redial memory.



### At the Base

You can redial the last number called from the base.

- 1 Press a **[LINE]** button.
- 2 Press **[RECALL]**. The phone automatically calls the last number dialed at the base.

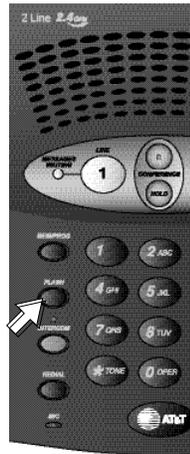


### Flash/Call Waiting

If you subscribe to Call Waiting service with your local telephone service provider, you can answer a new incoming call on the same line without losing your current call.

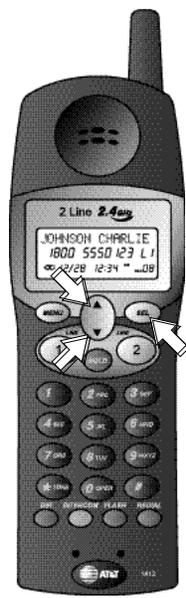
- 1 When you receive a Call Waiting signal, press **FLASH** to connect to the new call.
- 2 Press **FLASH** again to return to the original call.

**NOTE:** Use **FLASH** to access other phone company subscriber services as described by your provider.



TELEPHONE OPERATION

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### Mute At the Handset

- 1 Press **[MUTE]** or **[SFT]** until the screen displays



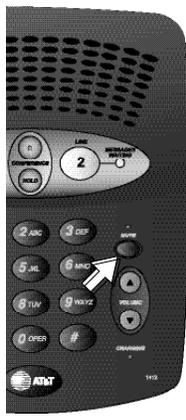
- 2 Press **[SFT]**. The other party will not be able to hear you but you will still be able to hear the other party.

### To return to two-way conversation:

- 1 Press **[MUTE]** or **[SFT]** until the screen displays



- 2 Press **[SFT]**.



### At the Base

Press **[MUTE]** to prevent the other party from hearing you (you will still be able to hear the other party).  
Press **[MUTE]** again to return to two-way conversation.



### Temporary Tone Dialing

If you have dial pulse (rotary) service, you can change from dial pulse to touch tone dialing during a call.

- 1 Make the call and wait until it is connected.
- 2 Press **TONE**. Keys pressed after this send touch tone signals.
- 3 After you hang up, the phone automatically returns to dial pulse (rotary) service.



TELEPHONE OPERATION

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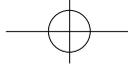


### Handset Locator

Page the handset from the base by pressing **INTERCOM**. The handset will sound the intercom ring tone.

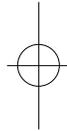
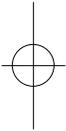
To cancel the page, press **INTERCOM** again on the base or place the handset in the base. The tone will stop after three minutes if it is not cancelled sooner.





## DISPLAY SCREEN MESSAGES (HANDSET ONLY)

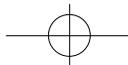
<i>SCREEN DISPLAYS:</i>	<i>WHEN:</i>
CONNECTING...	The handset is establishing a line connecting through the base.
CONNECT FAILURE	The handset is unable to establish a line connection through the base.
BATTERY LOW	Battery charge is low.
TURN MUTE OFF	The handset microphone is muted.
SCANNING...	The handset is establishing a new line connection.
NEEDS RECHARGING	The battery must be recharged. Place handset in base.
L1 & L2 MESSAGES	You have unreviewed voice mail messages. (You must subscribe to Voice Mail service with your local telephone service provider.)
L1 RING OFF	The Line 1 ringer is off.
L2 RING OFF	The Line 2 ringer is off.
L1+L2 RING OFF	The ringers for Line 1 and Line 2 are off.



TELEPHONE OPERATION

## DISPLAY SCREEN ICONS (HANDSET ONLY)

<i>THIS ICON:</i>	<i>INDICATES</i>
	The battery needs to be recharged.
<b>NEW</b>	This call record has not been reviewed
<b>OLD</b>	This call record has been reviewed



**HANDSET LIGHTS**

<i>LIGHT</i>	<i>STATUS</i>	<i>MEANS</i>
<b>LINE</b>	on steadily	This line is in use.
	flashing slowly	This line is on hold.
	flashing quickly	There is an incoming call on this line.

**BASE LIGHTS**

<i>LIGHT</i>	<i>STATUS</i>	<i>MEANS</i>
<b>LINE</b>	on steadily	This line is in use.
	flashing slowly	This line is on hold.
	flashing quickly	There is an incoming call on this line.
<b>CHARGING</b>	on steadily	The handset is charging in the base.
	flashing	The handset was just placed in the base.
<b>INTERCOM</b>	on steadily	The base and handset are on an intercom call.
	flashing	The base is making or receiving an intercom call.
<b>MUTE</b>	on	The base microphone is muted.
<b>MESSAGES</b>	flash	You have voice mail waiting for this line. (You must subscribe to Voice Mail service from your local telephone service provider.)
	on	You have a new Caller ID record.

## INTERCOM OPERATION



### At the Handset

#### Make an Intercom Call

- 1 Press **INTERCOM**. The screen displays **CALLING BASE**.
- 2 When someone at the base answers the call the handset screen displays **INTERCOM** and you can speak with the party at the base.
- 3 Press **INTERCOM** at the handset or the base to end the call.

If you make an intercom call while you're already on a phone call, the phone call is automatically placed on hold.

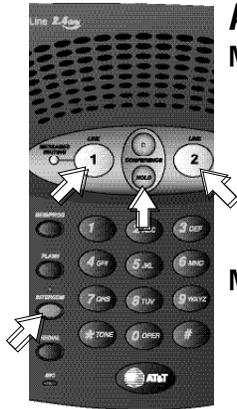
If you try to make an intercom call when the base is on a phone call, you will hear a warning tone and the screen will display **BUSY**. The intercom call will not be connected.

#### Answer an Intercom Call

- 1 Press **INTERCOM**. The screen displays **INTERCOM** and you can speak with the party at the base.
- 2 Press **INTERCOM** at the handset or the base to end the call.

#### Answer an Incoming Phone Call While on an Intercom Call

If you are on an intercom call when an incoming phone call is received, you will hear a special ring at the handset, the **LINE** light of the incoming call will flash, and the screen will show caller information as usual. You can answer the call by pressing **LINE** for the ringing line. The intercom call will automatically end.



## At the Base

### Make an Intercom Call

- 1 Press **CALL**. A paging tone will sound at the handset and base until someone at the handset answers the call.
- 2 Press **CALL** at the base or handset to end the call.

### Make an Intercom Call While on a Phone Call

- 1 Press **HO** to place the phone call on hold.
- 2 Press **CALL** to signal the handset. Speak with the party at the handset.
- 3 Press the **LINE** button of the phone call to return to your original phone call.

If you try to make an intercom call when the handset is on a phone call, you will hear a warning tone to indicate that the intercom call cannot be connected.

### Answer an Intercom Call

- 1 Press **CALL**.
- 2 Press **CALL** at the base or handset to end the call.

### Answer an Incoming Phone Call While on an Intercom Call

If you are on an intercom call when an incoming phone call is received, the base will sound the intercom tone and the LINE light of the incoming call will flash. You can answer the call by pressing the **LINE** button of the ringing line. The intercom call will automatically end.

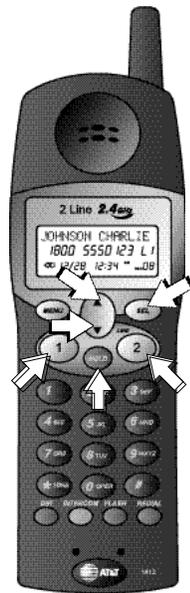
## Conference Calls

When the handset or base is on a phone call, someone at the other location can join the call by pressing the appropriate **[LINE]** button.

## Three-Way Conference Call

You can also use Lines 1 and 2 to establish a three-way conversation at the handset or base.

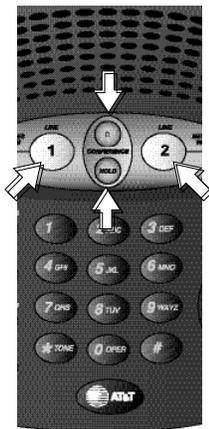
### At the Handset



- 1 Press a **[LINE]** button and make a call.
- 2 Once the first call is established, press **[HOLD]** to place the call on hold.
- 3 Press the other **[LINE]** button and connect the second call.
- 4 When the second call is established, press **[M]** or **[\*]** until the screen shows the conference menu.
- 5 Press **[SET]** to connect both far end parties to the conversation. Both LINE lights will remain lit during the call.

**NOTE:** You cannot use **[FLASH]** during a three-way conference call.

### At the Base



- 1 Press a **[LINE]** button and make a call.
- 2 Once the first call is established, press **[HOLD]** to place the call on hold.
- 3 Press the other **[LINE]** button and connect the second call.
- 4 When the second call is established press **[CONFERENCE]** to connect both far end parties to the conversation. Both LINE lights will remain lit during the call.

**NOTE:** You cannot use **[FLASH]** during a three-way conference call.

INTERCOM OPERATION



### Four-Way Conference Call

You can connect four parties to a conversation using Lines 1 and 2, the handset and the base.

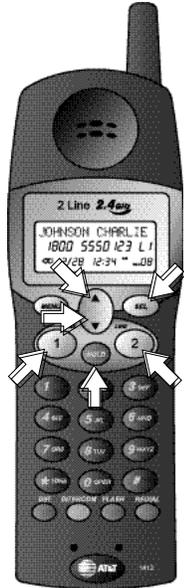
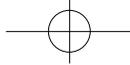
- 1 Establish a three-way conference call at the handset or base.
- 2 Once all three parties are connected, the fourth party can press either **[LINE]** button at the base or handset not already connected to the call. All four parties will now be able to hear each other.

### End a Conference Call

To release one of the outside parties from a conference call, press **[LINE]** for the party you wish to keep connected. The other line will be disconnected.

To release the entire conference call, press the **[LINE]** buttons on the base and/or handset connected to the call twice.





### Place a Conference Call on Hold

While on a conference call,press **[HOLD]** on the handset or base. All parties to the conference call are now on hold.

To return to the conference call,press **[CONFERENCE]** at the base,or press **[SET]** on the handset when the screen shows the conference menu.

### Speak Privately with One Party

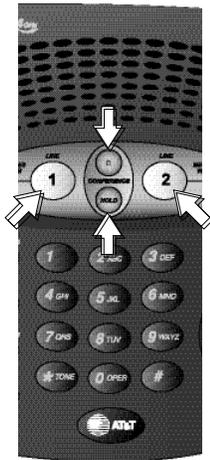
You can speak with one party in a conference call without disconnecting the other parties.

- 1 Press **[HOLD]** to place the entire conference call on hold.
- 2 Press the **[LINE]** button for the party you want to speak with privately.

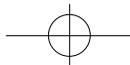
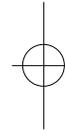
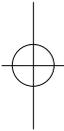
To return to the conference call with all parties,press **[CONFERENCE]** at the base

— **OR** —

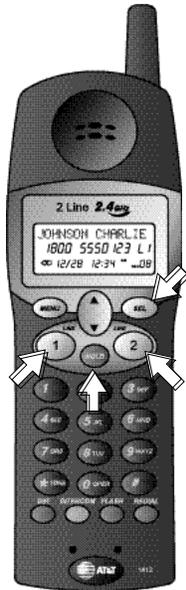
Press **[M]** or **[R]** on the handset until the conference menu appears on screen;then press **[SET]**.



INTERCOM OPERATION



INTERCOM OPERATION



### Switch a Conference Call Between Handset and Base

If you place a conference call from one location, you can switch it to the other location without disconnecting the call.

#### Switch from Handset to Base

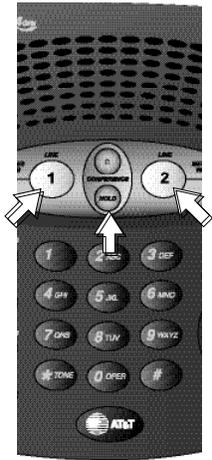
- 1 At the handset,press **[HKT]**.
- 2 At the base,press **[CONF]** or **[CONF]**, then press **[CONFERENCE]** twice.

Now, the call is connected at the base and automatically disconnected at the handset.

#### Switch from Base to Handset

- 1 At the base,press **[HKT]**.
- 2 At the handset,press **[CONF]** or **[HKT]** then press **[CONF]**.
- 3 Press **[M]** or **[R]** at the handset until the conference menu appears on screen;then press **[SET]**.

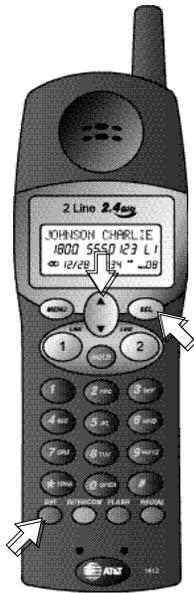
Now, the call is connected at the handset and automatically disconnected at the base.



## DIRECTORY

This handset can store up to 50 telephone numbers and names. Each number can be up to 24 digits long and each name can be up to 15 characters long. Entries are stored alphabetically

**NOTE:** You can exit the Directory at any time by pressing **[END]** again.



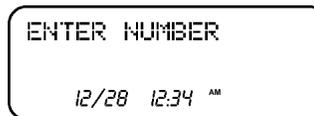
### Store a Number and Name in the Directory

- 1 From the idle screen, press **[END]**. The screen displays



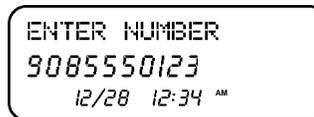
(If the directory is empty, the screen displays NO ENTRIES and then the screen above.)

- 2 Press **[SEL]**. The screen displays



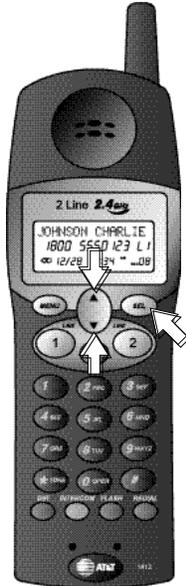
- 3 Use the keypad to enter the number you want to store.

The screen displays the number on the second line as you enter it. Press **[\*]** to backspace and delete the previous digit. To enter a pause in the dialing sequence, press and hold the digit just before you want the phone to pause when dialing.



D I R E C T O R Y

DI DIRECTORY



- 4 Press **[SEL]** when you finish entering the number. The screen displays

```
ENTER NAME
9085550123
12/28 12:34 AM
```

**NOTE:** Every directory entry must include a number. If you press **[SEL]** without entering a number, the screen will not change and you will not be able to enter a name.

- 5 Use the keypad and the chart on page 37 to enter the name. The screen displays

```
CHARLIE JOHNSON
9085550123
12/28 12:34 AM
```

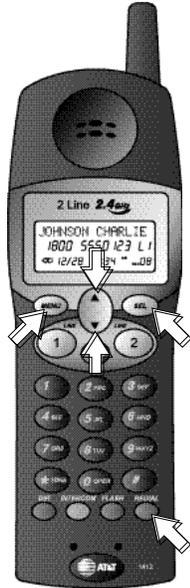
To add a space or move to the next position, press **[F4]**. Press **[F5]** to backspace and delete the previous character.

- 6 Press **[SEL]** when you finish entering the name. The screen displays ENTRY ADDED, then

```
NORMAL RING
9085550123
12/28 12:34 AM
```

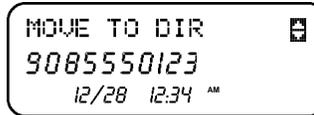
**NOTE:** Every directory entry must include a name. If you press **[SEL]** without entering a name, the screen will not change and you will not be able to complete the directory entry.

- 7 Press **[F4]** or **[F5]** to switch between DISTINCTIVE RING and NORMAL RING. If you want the phone to alert you with a special ring when you receive an incoming call with Caller ID information from this number, set this directory entry to DISTINCTIVE RING. Choose NORMAL RING if you do not wish to hear the special alert.
- 8 Press **[SEL]** to confirm the ring setting and save the new directory entry.

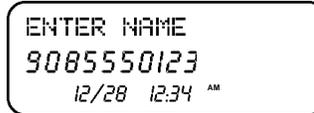


## Store a Number from Handset Redial in the Directory

- 1 Press **[RECALL]**. The screen displays the last number dialed from the handset.
- 2 Use **[Left]** or **[Right]** to scroll through the numbers stored in the handset redial memory.
- 3 When the number you want to store in the directory is displayed, press **[RECALL]**. The screen displays



- 4 Press **[SEL]**. The displayed number is stored in the directory and the screen displays

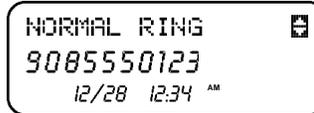


- 5 Use the keypad and the chart on page 37 to enter the name. The screen displays



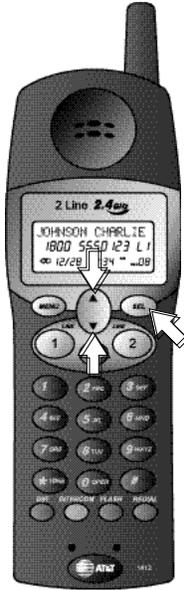
To add a space or move to the next position, press **[Right]**. Press **[Left]** to backspace and delete the previous character.

- 6 Press **[SEL]** when you finish entering the name. The screen displays **ENTRY ADDED**, then



**© NOTE: Every directory entry must include a name. If you press [SEL] without entering a name, the screen will not change and you will not be able to complete the directory entry.**

**DI**RECTORY



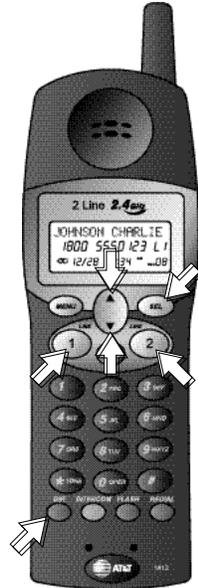
- 7 Press **[SEND]** or **[CALL]** to switch between **DISTINCTIVE RING** and **NORMAL RING**. If you want the phone to alert you with a special ring when you receive an incoming call with Caller ID information from this number, set this directory entry to **DISTINCTIVE RING**. Choose **NORMAL RING** if you do not wish to hear the special alert.
- 8 Press **[SEND]** to confirm the ring setting and save the new directory entry.

### Keypad Characters

Dial Key	1	2	3	4	5	6
	1					
	A	B	C	2		
	D	E	F	3		
	G	H	I	4		
	J	K	L	5		
	M	N	O	6		
	P	Q	R	S	7	
	T	U	V	8		
	W	X	Y	Z	9	
	0					
	*					
	&	'	,	-	.	#

DI RECTORY

**DI**RECTORY



### Dial a Number in the Directory

1 Press **[DIR]**. The screen displays



2 Press **[Left]** or **[Right]** to scroll through the directory entries

— **OR** —

Press **[Key]**, then enter the first letter of the stored name you want to find. The screen displays the first entry starting with this letter.

3 Continue entering the letters of the name you want to find until the correct directory entry appears on the screen

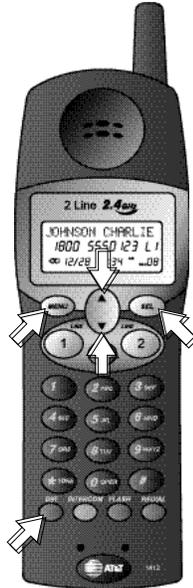
— **OR** —

Use **[Left]** or **[Right]** to scroll through the directory.

4 When the number you want to call is displayed on screen, press **[LINE]** for the line you want to use to dial the call. The call is dialed automatically.

— **OR** —

Press **[SPK]** to allow the phone to automatically select a free line and dial the call.



## Edit a Number/Name in the Directory

- 1 Press **[MENU]**. The screen displays



- 2 Press **[UP]** or **[DOWN]** to scroll through the directory entries

— **OR** —

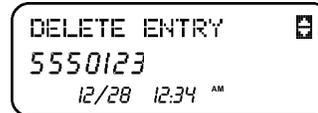
Press **[1]**, then enter the first letter of the stored name you want to find. The screen displays the first entry starting with this letter.

- 3 Continue entering the letters of the name you want to find until the correct directory entry appears on the screen

— **OR** —

Use **[UP]** or **[DOWN]** to scroll through the directory.

- 4 When the entry you want to change is displayed, press **[MENU]**. The screen displays



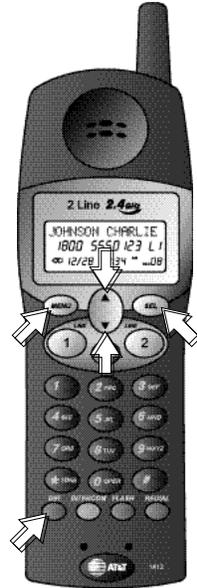
- 5 Press **[DOWN]** until the screen displays EDIT NAME or EDIT NUMBER.

- 6 Press **[SET]** when the option you wish to choose is displayed.

- 7 Use the keypad and the chart on page 37 to edit the name or number. To add a space or move to the next position, press **[RIGHT]**. Press **[LEFT]** to backspace and delete the previous character. To enter a pause in the dialing sequence, press and hold the digit just before you want the phone to pause while dialing.

- 8 When you are finished making your changes, press **[SET]** to save the revised entry. The screen displays the revised entry. You can now search for another entry or return to the idle screen by pressing **[MENU]**.

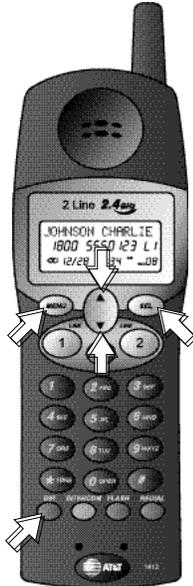
DI DIRECTORY



### Delete a Directory Entry

- 1 Press **[DEL]**.
- 2 Press **[UP]** or **[DOWN]** to scroll through the directory entries  
— **OR** —  
Press **[LEFT]**, then enter the first letter of the stored name you want to find. The screen displays the first entry starting with this letter.
- 3 Continue entering the letters of the name you want to find until the correct directory entry appears on the screen  
— **OR** —  
Use **[UP]** and **[DOWN]** to scroll through the directory.
- 4 When the entry you want to delete is displayed, press **[DELETE ENTRY]**. The screen displays
 

DELETE ENTRY   
 5550123  
 12/28 12:34 AM
- 5 Press **[MENU]** to exit without deleting the entry  
— **OR** —  
Press **[SET]** to delete the entry. The screen displays the next entry.



## Turn Distinctive Ring On/Off

If you want the phone to alert you with a special ring when you receive an incoming call with Caller ID information which matches a specific directory entry, set that directory entry to **DISTINCTIVE RING**. Choose **NORMAL RING** if you do not wish to hear the special alert. If an entry is set for distinctive ringing, **DR** appears next to the entry name on screen.

- 1 Press **[MENU]**. The screen displays



- 2 Press **[UP]** or **[DOWN]** to scroll through the directory entries

— **OR** —

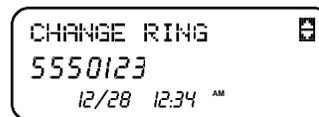
Press **[LEFT]**, then enter the first letter of the stored name you want to find. The screen displays the first entry starting with this letter.

- 3 Continue entering the letters of the name you want to find until the correct directory entry appears on the screen

— **OR** —

Use **[UP]** or **[DOWN]** to scroll through the directory.

- 4 When the entry you want to change is displayed, press **[NEW]**, press **[UP]** or **[DOWN]** until the screen displays.



Then press **[SET]**.

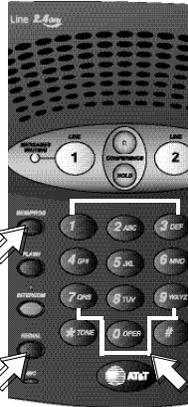
- 5 Press **[UP]** or **[DOWN]** to switch between **DISTINCTIVE RING** and **NORMAL RING**.
- 6 Press **[SET]** to save the ring setting. The screen displays the revised entry.

## BASE MEMORY

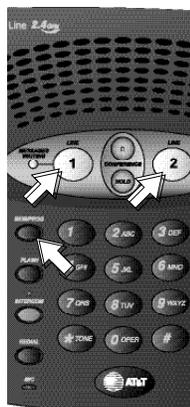
This base can store up to 10 telephone numbers. Each number can be up to 24 digits long.

### Store a Number in Base Memory

- 1 Press and hold **MEM/PROG** until you hear a beep.
- 2 Use the keypad to enter the number you want to store  
— **OR** —  
Enter the last number dialed at the handset by pressing **RECALL**.
- 3 When you are finished entering the number to be stored, press **MEM/PROG**.
- 4 Press the key for the location where you want to store the number (**1** - **10**). The number is now saved. You will hear a confirmation tone.



BASE MEMORY



## Dial a Base Memory Number

- 1 Press a **[LINE]** button.
- 2 Press **[MEM/PROG]**. Then press the number key of the number you want to dial.
- 3 The number is automatically dialed.

**BASE MEMORY**

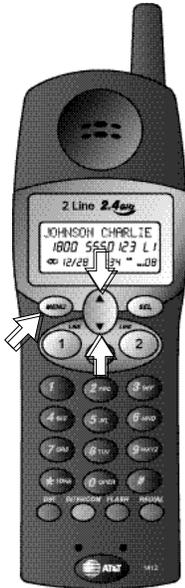
## CALLER ID OPERATION

If you subscribe to Caller ID service with your local phone service provider, this handset stores all incoming calls with valid Caller ID information in call history. Name, number, time and date information can all be stored, if they are sent with the call. The line on which the call was received appears next to the phone number on the screen display (*L1* or *L2*). Calls are automatically stored in the order they are received, with call "1" stored as the oldest call. The call history number appears in the bottom right corner of the screen along with **NEW** for unreviewed or **OLD** for previously reviewed call information.



If an incoming phone number matches the most recent record in call history, the new date and time will replace the older date and time. All other incoming call information which matches a record already in call history will be entered as a *NEW* call.

If Caller ID information has been received you can see a summary of the new calls in call history on the idle screen.



## Review Call History

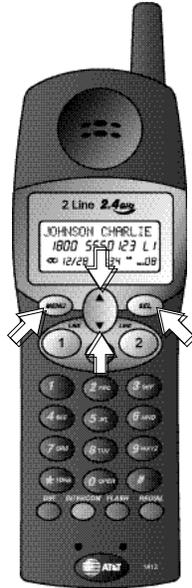
- 1 From the idle screen press **CALLS**. The screen displays the most recent call record in call history.



If there are no calls in call history, the screen will show **NO CALLS**, and return to the idle screen after five seconds.

- 2 Use **1** or **2** to scroll through call history.
- 3 To exit call history, press and hold **END CALL** until you hear a tone.

CALLER ID OPERATION



### Remove a Call Record

1 From the idle screen press **[CALLS]**. The screen displays the most recent call record in call history.



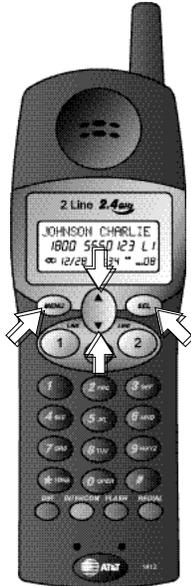
2 Use **[UP]** or **[DOWN]** to scroll through call history and find the record you want to delete.

3 When the record you want to delete is displayed, press **[MENU]**. The screen displays



4 Press **[YES]** to delete the displayed call record.

**Ⓢ NOTE:** To exit without removing the call record, press **[MENU]** at any time.



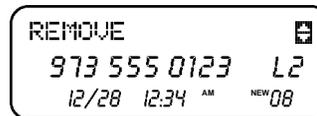
### Store a Call Record in the Directory

- 1 From the idle screen press **[CALLS]**. The screen displays the most recent call record in call history.

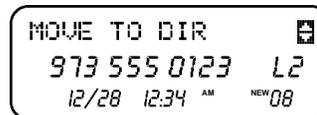


- 2 Use **[LEFT]** or **[RIGHT]** to scroll through call history and find the record you want to store in the directory.

- 3 When the record you want to store in the directory is displayed, press **[MENU]**. The screen displays

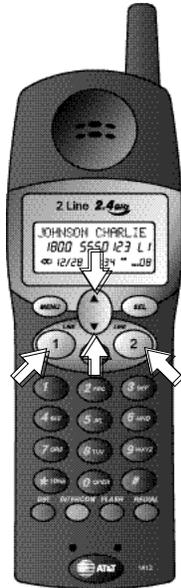


- 4 Press **[LEFT]** or **[RIGHT]** until the screen displays



- 5 Press **[SET]** three times. The displayed call record is now stored in the handset directory. See **DIRECTORY** beginning on page 33 for detailed instructions for using the handset directory.

CALLER ID OPERATION

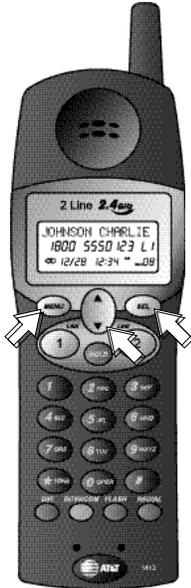


## Display Dial

While you are reviewing call history, you can dial a number displayed on the screen.

- 1 From the idle screen press **[OK]**. The screen displays the most recent record in call history.
- 2 Use **[Left]** or **[Right]** to scroll through call history and find the number you want to call.
- 3 When the record for the party you want to call is displayed, press a **[Digit]** button. The handset automatically dials the number as it is displayed.





## Dialing Options

If necessary, you can change the format of a displayed number so that it will be dialed differently than it appears in call history.

- 1 When the record for the party you want to call is displayed, press **[MENU]**. The screen displays



- 2 Press **[OK]**. The screen displays



- 3 Press **[SEL]**, then press **[OK]** until the number appears the way you want to dial it.

**For example: (The number is 908 555 1212)**

1908 555 1212

555 1212

1 555 1212

908 555 1212

The number of dialing alternates available for each call displayed depends on the format of the original call.

- 4 When the number is displayed the way you want to dial it, press **[SEL]** to dial the call.

CALLER ID OPERATION

## BATTERIES

### Battery Life

Battery life depends on how far the handset is from the base, and other environmental conditions.

**NOTE:** *For optimum performance, charge your handset on the base every night.*

### Charge the Handset Battery Pack

- This battery should remain charged for up to nine days. A fully charged battery provides an average talk time of about nine hours.
- The battery pack needs charging when:
  - The batter icon (  ) flashes.
  - A warning tone sounds, or
  - The screen displays BATTERY LOW or NEEDS RECHARGING when idle.
- Place the handset in the base so the CHARGING light goes on. The battery pack typically charges in eight hours. For best results, the initial charge should be overnight.
- You can keep the battery fully charged by returning the handset to the base after each use.
- If you repeatedly get a low battery indicator, even after eight hours of charging, the battery should be replaced. Use only AT&T Battery 3301, SKU #91076.

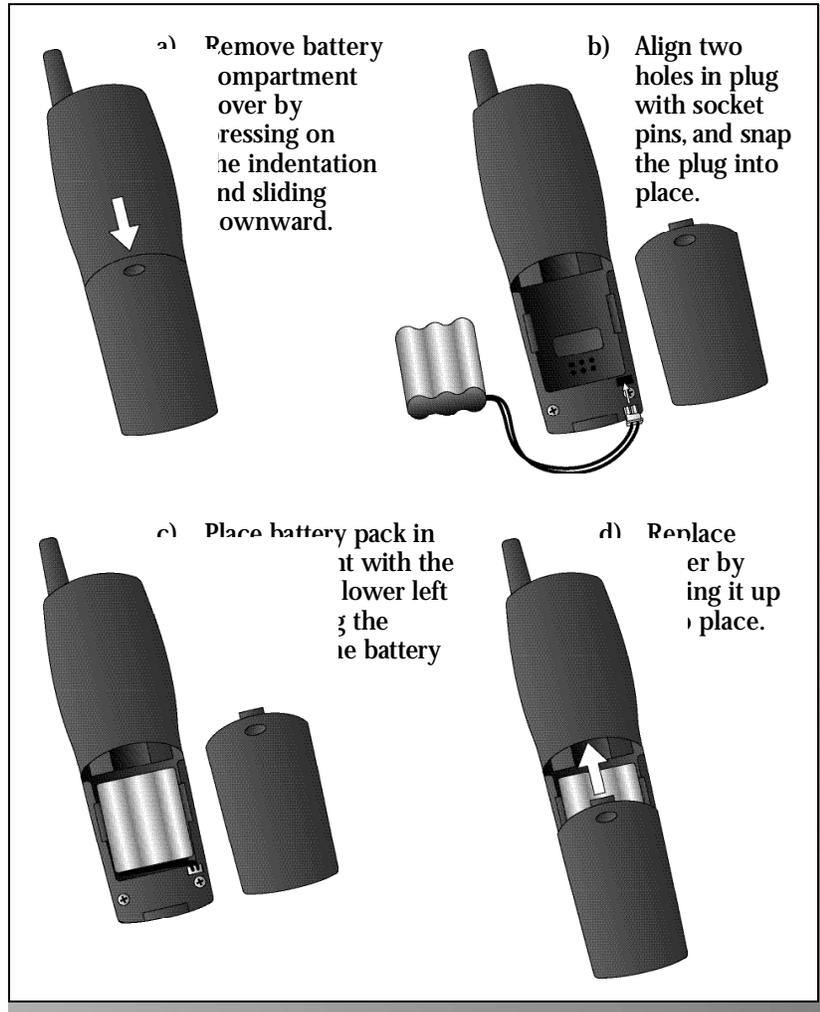


**CAUTION:** Charge the battery provided with or identified for use with this product only in accordance with the instructions and limitations specified in the User's Manual, Part 1.

## Replace the Handset Battery Pack

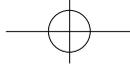
### 1 Install the handset battery.

Use only AT&T Battery 3301,SKU #91076.



### 2 Charge the handset battery.

Place the handset in the base. Charge the battery overnight the first time. After the first charge, the battery typically fully charges in eight hours.



## IN CASE OF DIFFICULTY

If you have difficulty operating this phone, try the suggestions below. For Customer Service, visit our website at [www.telephones.att.com](http://www.telephones.att.com) or call 1 800 222-3111. **Please retain your receipt as your proof of purchase.**

### PHONE

IN CASE OF DIFFICULTY

**PROBLEM**

**If the phone does not work at all, check these items first:**

**SOLUTION**

- Make sure the power cord is plugged into the base and an electrical outlet not controlled by a wall switch.
- Make sure the telephone line cord is plugged firmly into the base unit and the telephone jack.
- Make sure the battery pack is installed correctly.

If the above suggestions do not solve the problem, try re-initializing the handset and base (see "To re-initialize the handset and base").

**PROBLEM**

**If you have no dial tone:**

**SOLUTION**

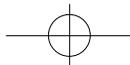
Check all the previous suggestions. If you still do not hear a dial tone, disconnect the phone and try another phone in the same jack. If there is no dial tone on that phone either, the problem is probably in your wiring or local service.

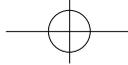
**PROBLEM**

**If you hear a long tone when you try to use the handset:**

**SOLUTION**

- The handset and base are not communicating properly. You might be out of range. Move closer to the base and try again.
- If moving closer to the base does not help, follow the directions "To re-initialize the handset and base."





## PHONE

### *PROBLEM*

**To re-initialize the handset and base:**

### *SOLUTION*

- 1** Disconnect the power to the base.
- 2** Remove the handset battery pack.
- 3** Wait at least 15 seconds.
- 4** Insert the handset battery pack.
- 5** Connect the power to the base.

### *PROBLEM*

**If you hear noise or interference when using the phone:**

### *SOLUTION*

- You may be out of range. Move closer to the base.
- Press **[M]** or **[F]** until the screen displays CHANGE CHANNEL, then press **[SET]**. If noise is exceptionally loud, move closer to the base before changing channels.
- Household appliances plugged into the same circuit as the base can sometimes cause interference. Try moving the appliance or the base to another outlet.
- The layout of your home or office may be limiting the operating range. Try moving the base to another location, preferably on an upper floor.
- Using the handset near household appliances (microwaves, computers, televisions, stereos, etc.) can sometimes cause interference. Move away from appliances while using the handset.

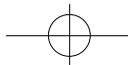
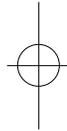
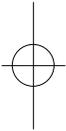
### *PROBLEM*

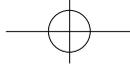
**If you hear other calls while using your phone:**

### *SOLUTION*

- Press **[M]** or **[F]** until the screen displays CHANGE CHANNEL, then press **[SET]**.
- Disconnect the base from the modular jack and plug in a corded telephone. If you still hear other calls, the problem is probably in your wiring or local service. Call your local telephone service company.

**IN CASE OF DIFFICULTY**





## PHONE

**PROBLEM**

**If you lose a call after changing channels:**

**SOLUTION**

You were probably almost out of range. Move closer to the base before changing channels. Before placing another call, set the handset in the base for at least 15 seconds.

**PROBLEM**

**If the phone does not ring when you receive a call:**

**SOLUTION**

- Make sure the ringers are on. (See “Set Line 1 Ringer” and “Set Line 2 Ringer” in the FEATURE SETUP section of this manual.
- Make sure the telephone line cord is connected firmly to the base and the telephone jack.
- Make sure the AC adapter is plugged firmly into an electrical outlet not controlled by a wall switch.
- You might be too far from the base; move closer.
- You might have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of them.

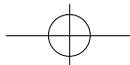
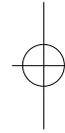
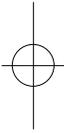
**PROBLEM**

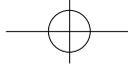
**If your telephone misdials:**

**SOLUTION**

- If you have dial pulse (rotary) service, you’ll need to set the dial method to PULSE. Follow the instructions under “Set Dial Mode” in the FEATURE SETUP section of this manual.
- If you have touch tone service and you hear clicks while you are dialing, you’ll need to set the dial method to TONE. Follow the instructions under “Set Dial Mode” in the FEATURE SETUP section of this manual.

**IN CASE OF DIFFICULTY**





## PHONE

### *PROBLEM*

**If you are unable to operate special telephone services or other equipment requiring touch tone signals:**

### *SOLUTION*

If you have dial pulse (rotary) service, follow the directions under "Temporary Tone Dialing" in the TELEPHONE OPERATION section of this manual.

## CALLER ID

### *PROBLEM*

**If the caller's name or phone number is not displayed:**

### *SOLUTION*

- Make sure you subscribe to Caller ID service from your local telephone company.
- Make sure the battery is charged.
- Caller ID service might not work when the phone is connected to a Private Branch Exchange (PBX).

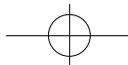
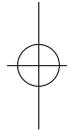
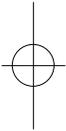
### *PROBLEM*

**If the caller's name or phone number is not displayed during Call Waiting:**

### *SOLUTION*

- You should call your service provider to confirm that you subscribe to combined Caller ID with Call Waiting service.
- Caller ID information received during Call Waiting is displayed only on the handset that is in use.
- Make sure the battery is charged.

IN CASE OF DIFFICULTY

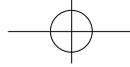


## DEFAULT SETTINGS

### DEFAULT SETTINGS

<i>FUNCTION:</i>	<i>DEFAULT SETTING:</i>
<b>Line 1 Ringer</b>	ON:1
<b>Line 2 Ringer</b>	ON:1
<b>Voice Messages</b>	ON
<b>Time</b>	12:00 AM
<b>Date</b>	1/01
<b>Dial Mode</b>	STONE

DEFAULT SETTINGS



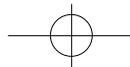
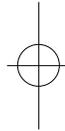
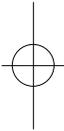
## TECHNICAL SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

<b>Frequency Control</b>	Crystal controlled PLL synthesizer
<b>Transmit Frequency</b>	
Handset	912.75 – 917.10 MHz
Base	2411.15 – 2418.40 MHz
<b>Receive Frequency</b>	
Handset	2411.15 – 2418.40 MHz
Base	912.75 – 917.10 MHz
<b>Channels</b>	30 Channels
<b>Normal Effective Range</b>	Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use.
<b>Size</b>	
Handset (including antenna)	193mm x 60mm x 40.5mm
Base (including antenna)	193.4mm x 172.4mm x 76.8mm
<b>Weight</b>	
Handset	159 grams
Base (excluding battery pack)	536 grams
<b>Power Requirements</b>	
Handset	3.6V 600mAh Ni-Cd Battery Pack
Base	9V DC @ 500mA
<b>Memory</b>	
Base Speed Dial	10 Memory locations 24 digits per location

**SPECIFICATIONS ARE TYPICAL AND MAY CHANGE WITHOUT NOTICE.**

TECHNICAL SPECIFICATIONS



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