

MOH 1200

USER MANUAL ►



MOH1200 User Manual

Edition : April 2008
Firmware Version : 1.00

All specifications, information contained herein, hardware and software of the product are subject to change without prior notice.

Caution:

- Please read this manual thoroughly before operating the unit and retain it for future reference.
- To prevent fire or shock hazard, do not expose this unit to rain or moisture.
- To avoid electrical shock refer servicing of this product to the dealer from whom the purchase was made.
- No user serviceable parts inside.

Static Discharge Warning:

The discharge of electrostatic energy that accumulates on the surface of human body or other surfaces can disrupt the working of the unit or damage the electronic components inside the unit. Observe static safe procedures while handling, installing and maintaining the unit.

Safety:

This product has been tested to comply with the International Safety standards as per IEC60950 and the relevant Australian/New Zealand standards

Specifications:

Power supply	Through wall adaptor; 7.5VA.C, 1W
Internal memory	32 MB (Flash)
External memory (Optional)	Through SD Card socket (supports SD cards up to 2GB capacity)
Output	Both 8 Ω and 600 Ω available
Volume control	Provided on right side of unit
USB Port	USB 1.1 Full speed spec compliant
O/S support	Windows 2000, XP, Vista

Welcome to your MOH1200—a stand-alone USB MP3 music on hold player. The product plays on hold messages recorded in .mp3 format to callers put on hold in your business. The unit connects to the external music on hold port of any phone system. Updating the audio content is simple, just connect the unit to any computer running Windows 2000, XP or Vista OS, drag and drop the required MP3 file in to the unit's internal memory. Delete the old file and the unit starts playing the new content after the unit is unplugged from the PC.

If a SD card is also present in the unit, two removable disk drives will be shown when the unit is connected to the computer. Files may be copied into the SD card from the PC as with the Flash memory.

If any non-MP3 file is copied into the Flash memory of the unit or the SD card, the MOH1200 automatically excludes such files while playing.

Low (8 Ω) and High impedance (600 Ω) outputs are available on the unit making it compatible with most phone systems.

Installation

Unpack the unit from its shipping carton and check that all the materials have been received in good condition. Any damages or shortfalls must be reported immediately to the dealer from whom the purchase was made. Your MOH1200 shipping carton must contain the following:

The MOH1200 Unit
Power Adaptor
This User Manual
USB Interface cable
Audio Output cable
SD Card (optional)

The MOH1200 may be wall mounted or kept on the tabletop. A suitable location should have a power socket close by and should be easily accessible for any service or maintenance work. If you plan to mount the unit on the wall please follow the wall mounting instructions given below:

Use the paper template, provided with the unit, and secure two wood screws (Size 5 or 6) into the wall where you want to mount the unit. The distance between the centre points of the mounting screws should be 74 mm. The wall on which the unit is to be mounted should be strong enough to support the weight of the unit. Also make sure that the screws are driven securely into the wall. Then, hang the unit onto the screws.

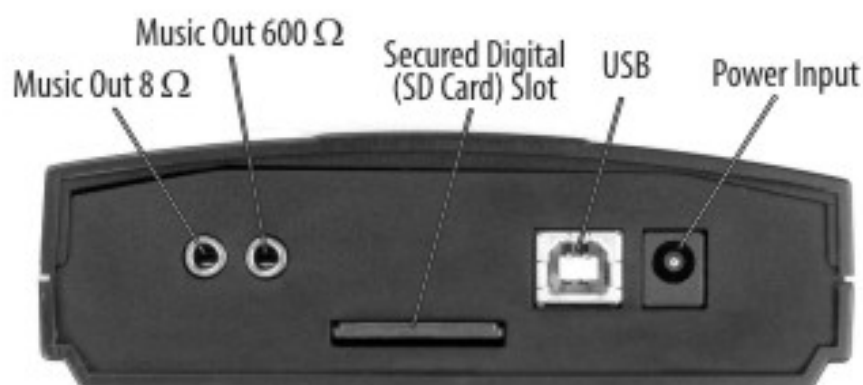
Connect the appropriate 'Music Out' of the MOH1200 to the 'Music In' of your phone system (refer your PBX manual for connection)

Insert the power adaptor into the power socket and insert the other end (Plug) into the power connector of the MOH1200. Switch 'ON' the power to the unit. The Red USB lamp blinks for 3 to 4 seconds checking for a USB connection and if no USB interface is detected, the unit enters the regular Play mode and the Green PLAY lamp starts blinking on and off once a second. When the unit is connected to the USB port of the PC, the Green PLAY lamp stops blinking and the Red USB lamp starts blinking. Make a call to your phone system and put yourself on hold. The music / message should be heard clearly. If necessary, adjust the volume by adjusting the volume control provided on the unit for the most pleasing level.

Precautions:

Do not install this unit where it would be subjected to:

- Direct sunlight, moisture or rain
- Heat sources, Radiators, Air Ducts etc.
- Draft from an air conditioner
- Excessive dust or corrosive fumes
- Mechanical shock or vibration
- In the vicinity of a communication tower



Connecting the unit to the PC : Apply power to the unit using the Power Adaptor supplied along with the unit and then connect the unit to the USB port on the PC with the USB interface cable supplied along with the unit. Wait for a few seconds for the PC to recognize the new device till the "Removable disk..." window pops up on the screen. When the unit is connected to the USB port of the PC, the Green PLAY lamp stops blinking and the Red USB lamp starts blinking. If an SD card is also present, then it will show up as two removable disk drives on the PC.

Viewing the files in the unit : Select the "Open folder" option to view the files currently existing in the unit. The unit is shipped with a generic music on hold content file and this would be displayed on the screen.

Transferring audio content files into the unit : You may copy and paste or drag and drop MP3 files into the MOH1200 unit as you would with any other removable disk drive. The total memory space available in the unit and the remaining space available in the unit may be ascertained using the Windows Explorer.

Unplugging the unit from the PC : Double click on the USB Device icon in the system tray at the right hand bottom corner of the screen, select the STOP button, then press the OK button. The message box "Safe to remove Hardware" is displayed now and the unit may be safely unplugged. The Red USB lamp stops blinking and the Green PLAY lamp blinks indicating that the unit is playing the audio content.

Note : If the unit is unplugged from the PC without using the proper method as described above, it may result in corruption of the contents of the Flash memory and the SD card in the unit

Playing from Flash memory or SD card: If the unit is playing an MP3 file present in its internal memory and a SD card is inserted, the unit automatically detects the SD card and starts playing the MP3 files present in the SD card. This will continue as long as the SD card is inserted and the files present in the internal memory will not be played back. If the SD card is removed, the unit will automatically switch to playing the files present in the internal memory.

MP3 File sampling rates and durations :

Sampling Rate	Approx. File size of 1 min. play duration	Total playing time for	
		32 MB memory	1GB SD Card (approx.)
32 Kbps	235 Kbytes	270 Minutes	270 Minutes
64 Kbps	460 Kbytes	135 Minutes	135 Minutes
128 Kbps	900 Kbytes	68 Minutes	68 Minutes

Formatting the Internal Memory / SD Card: To Format internal the memory or SD Card, connect the unit to the USB port of your PC, wait for the PC to recognize the unit as a Removable Disk, select the device, right-click to show the options and select "Format" from the available options.

Connection Diagram



Statutory Information

FCC Information:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This Class A digital apparatus meets all the requirements of the Canadian Interference causing Equipment Regulation.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



This product complies with the requirements of the following European Directives: The EMC Directive 89/336/EEC; the Low Voltage Directive 73/23/EEC, both amended by the Directive 93/68/EEC.

Limited Warranty:

See the Limited Warranty Card supplied along with this unit for details.

Shipping the unit for repairs/replacement during or after the warranty period:

Before shipping ensure that the product is packed in either the original shipping carton or in a well-padded, heavy duty corrugated box to prevent damage to the unit in transit. Enclose a copy of your sales invoice (proof of purchase) and ship the unit freight prepaid and insured for a replacement value.