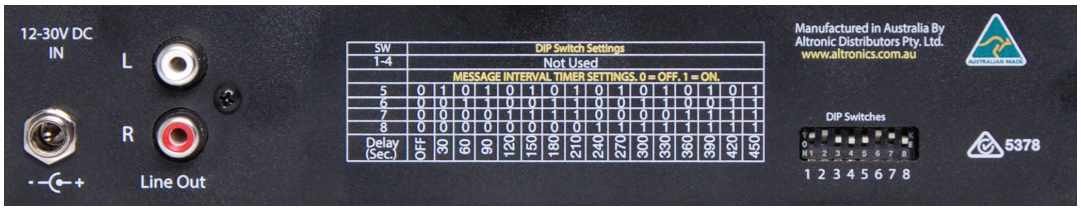
Operating Manual

A 1745 Music On Hold Player



The A 1745 connects to your telephone hold music input to provide intervalled messages and background music for your customers on hold. The included SD card can be loaded with your choice of background music and custom hold messages or promotions. The message intervals can be adjusted between 30 seconds and 7.5 minutes or set "OFF"

1.0 Installation

Power requirements: The A 1745 needs a minimum of 12VDC at 300mA to work correctly. Maximum working voltage is 30VDC, do not exceed 30VDC as it will cause permanent damage to the unit. A good working voltage is between 12 and 24VDC. The power is connected via the 2.1mm (tip positive) DC socket on the rear of the unit.

Output: Output is via the stereo RCA connectors on the rear. Output level is nominal 500mV but is related to the recorded level of the MP3.

2.0 Music and Message Playback

The A 1745 plays back music and messages which have been copied onto the supplied SD card. There are two folders on the card, "Music" for storing the background music files and "Message" for storing the message files. (NOTE: All audio files must be in MP3 format, other formats such as WAV, AAC, OGG, or FLAC will not work).
Once the unit is powered up it will automatically start playing files from the "Music" folder. If the message interval has been set "ON" (see DIP switch settings), a message will be played from the "Message" folder after the set time.
Once the message finishes playing, the unit will not return to the music track being played before the interruption, but will instead play another random music file.

3.0 FRONT PANEL CONNECTIONS

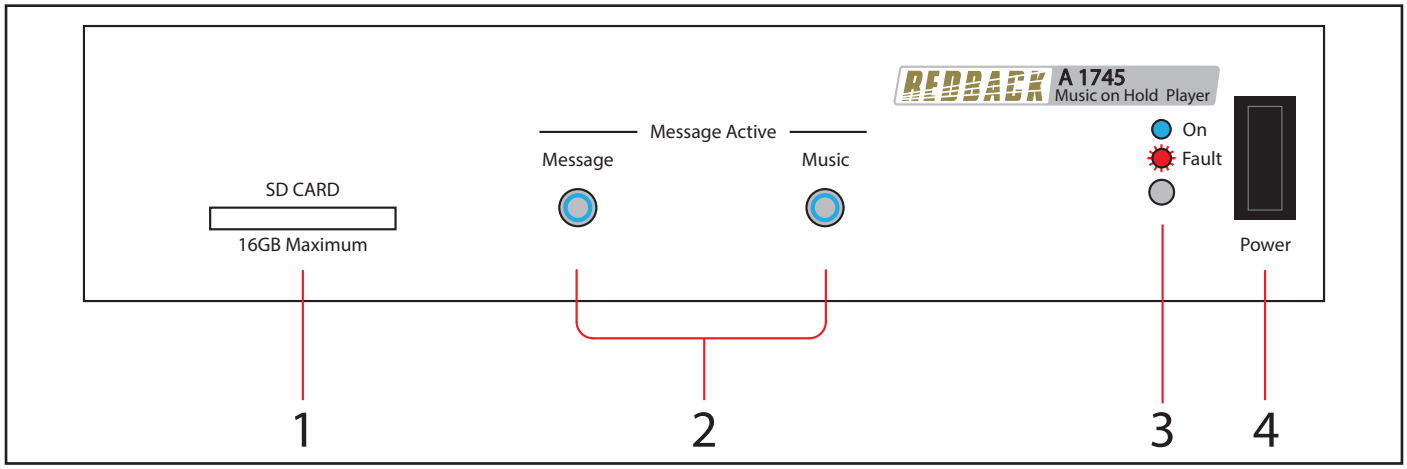


Fig 1

1 **SD card slot**
The SD card which has the messages (in MP3 format) to be played is inserted here. The SD card can be a maximum of 16GB.

2 **Message Active Switches and Indicators**
These switches are used to trigger the messages and music. The LED's inside the switches indicate when the associated message is playing.

3 **Status Led**
This LED indicates whether the unit is ON or has a Fault condition. If the LED is "steady blue" the unit is receiving power. If the LED is "flashing red" then a fault has occured with the unit.

4 **Power Switch**
Used to turn the unit On or OFF.

4.0 REAR PANEL CONNECTIONS

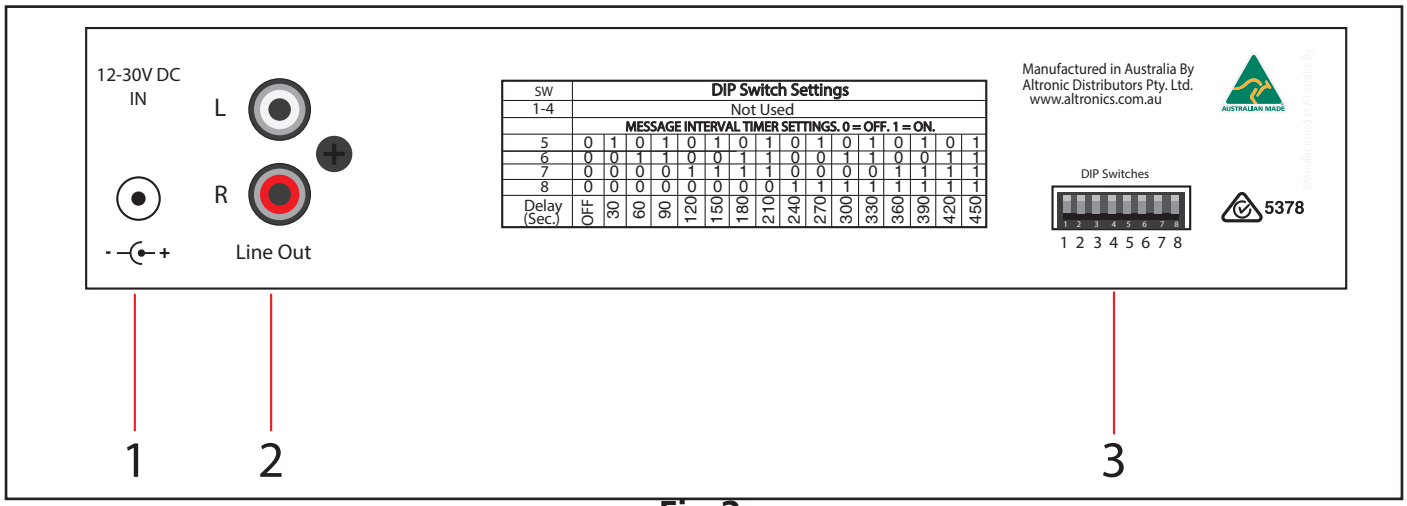


Fig 2

1 **DC Input**
Power is supplied to the unit via a 2.1mm (tip to positive) DC socket. The input voltage must be between 12-30V DC.

2 **RCA Stereo Line Output**
Connect these outputs to the output amplifier. Output level is nominal 500mV but is related to the recorded level of the MP3.

3 **DIP Switches**
DIP switches 5-8 set the delay between the mesage playback.

5.0 DIP Switch Settings

DIP switches 1-4 are not used

DIP switches 5-8 set the delay between the mesage playback. This is adjustable from 30 seconds up to 7.5 minutes in 30 second increments.
When a message plays it interrupts the music track currently being played. Once the message finishes playing, the unit will not return to the music track being played before the interruption, but will instead play another random music file.

6.0 Putting Music and Message MP3's on to the Player

You will first need to disconnect power from the A 1745, then remove the SD card from the front of the unit.
To remove the SD card push the card in and it will eject itself.
The SD card will then need to be connected to a PC. You will need a PC equipped with a SD card reader to do this (not supplied).

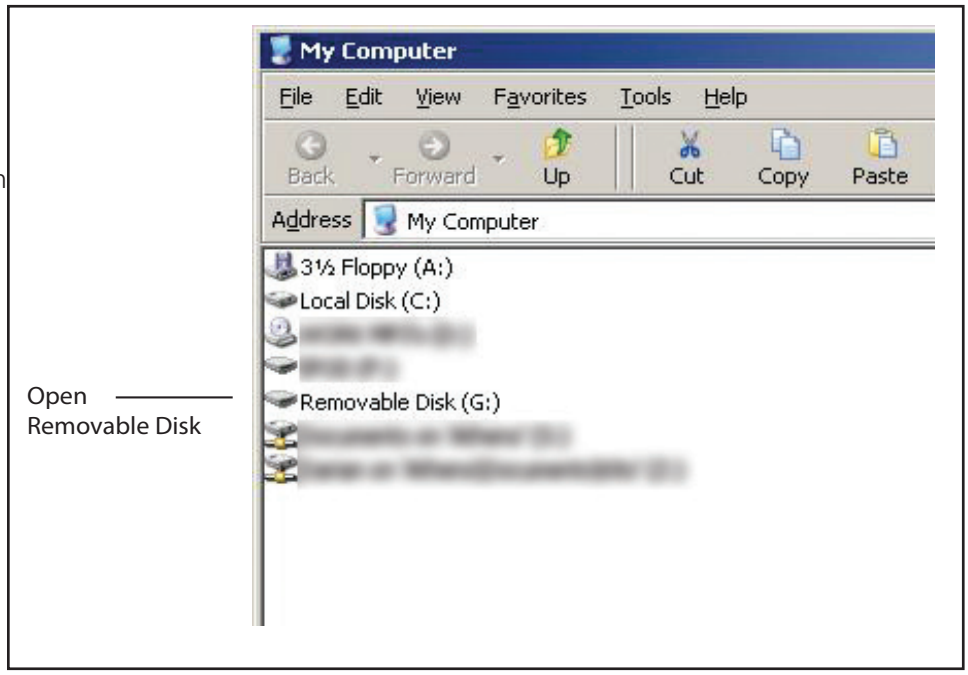
Guide to installing MP3's onto the SD card with a Windows installed PC

Step 1: Make sure the PC is on and card reader connected and correctly installed. Then insert the SD card into the reader.

Step 2: Go to "My Computer" (shown right) and open the SD card which is usually marked "Removable disk". In this example it is named "Removable disk (G:)"

Step 3: Open the removable disk and there should be two folders on the card, "Music" and "Message".

Step 4: Copy all your background music MP3 files to the "Music" folder and your hold messages to the "Message" folder.



(NOTE: All audio files must be in MP3 format, other formats such as WAV, AAC, OGG, or FLAC will not work).

Step 5: The MP3's are now installed on the card and the card can be removed from the PC following windows safe card removal procedures.

Make sure the A 1745 is OFF and insert the SD card into the slot in the front; it will click when fully inserted.

Power the unit up and it will automatically start playing files from the "Music" folder. If the message interval has been set "ON" (see DIP switch settings), a message will be played from the "Message" folder after the set time.

7.0 Troubleshooting

NO Power (Power LED does not illuminate):

Check power supply DC jack is 2.1mm and not 2.5mm size.
Check power supply voltage is 12-30VDC.
Check power supply is a DC output, not AC.

8.0 Specifications

Power supply: ..... 12VDC to 30VDC 300mA (idle/maximum current draw 150mA) tip positive
Output: ..... Stereo RCA 500mV nominal
MP3 sample rate: 44kHz
SD card size: ..... 256MB to 16GB

MP3 info:
Length/size: ..... Limited by card size (800mins @ 128kbps, 44kHz on supplied 8GB)
Bit rate: ..... All standard MP3 rates (128kbps recommended)
Sample rate: ..... All standard MP3 rates (44kHz recommended)
Channels: ..... Stereo or mono

* Specifications subject to change without notice.