PULSE
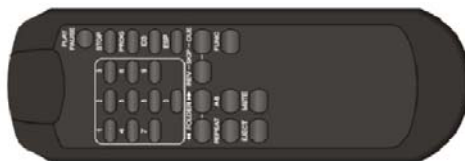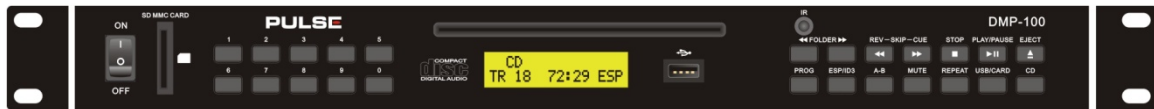
CD/SD/USB MEDIA PLAYER

Model: DMP-100

Safety Information

The lightning bolt within a triangle is intended to alert the user to the presence of dangerous voltage levels within the product's enclosure.

To reduce the risk of electric shock, do not remove cover of this device. There are no user serviceable parts inside. Refer servicing only to qualified service personnel.

The exclamation point within a triangle is intended to alert the user to important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This voltage may be of sufficient magnitude to constitute an electric shock risk.

Safety Precautions

- Read and retain these instructions.
- Follow all instructions and heed warnings.
- Do not use this device near water or in high humidity areas.
- If the surface becomes dirty, clean only with dry cloth, do not use solvents or thinners.
- Install in accordance with the manufacturer's instructions.
- Do not install near heat sources such as radiators, stoves or other devices that produce heat.
- Do not defeat the safety purpose of the grounded plug. The BS1363A 13A mains plug has two blades and a third ground prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on, pinched, cut or stressed at the plugs (mains socket outlet and where it enters the media player).
- Only use accessories specified by the manufacturer.
- Unplug the device during lightning storms or when unused for an extended time.
- Refer all servicing to qualified personnel.
- This device must not be exposed to water in any way. No object filled with liquids should be placed on apparatus.
- For installation, mount unit securely in a 19" rack, or on a solid flat surface.

Pulse 1U 19" CD/SD/USB Media Player

The PULSE DMP-100 is a fully featured, 19" rack mounting professional audio media player, designed to playback audio CDs, MP3 & WMA files. The DMP-100 provides both high quality and reliable performance for all applications including schools, community centres, retail shops and industrial installations.

This unit includes a host of features, along with an impressive list of specifications, which are detailed over the next pages. Please take the time to read this document completely prior to installation of this product. Should you have questions regarding installation or operation of this unit, please contact your Pulse Retailer or Distributor.

Features

- CD, SD/MMC card & USB 2.0 media player
- Mechanical anti-shock & 40 second ESP (Electronic Skip Protection)
- LCD screen
- Plays MP3 & WMA audio files
- ID3 tags displayed (scrolling)
- Playback: Continuous, Random & User Programmed
- Repeat functions: Track, Folder or All
- Outputs: 2x XLR (L+R)
- IR remote control (batteries not included)
- 1U 19" Rack mountable with removable rack ears

Included Accessories

- Instruction manual
- IR remote control
- UK power cable

Connections & Controls
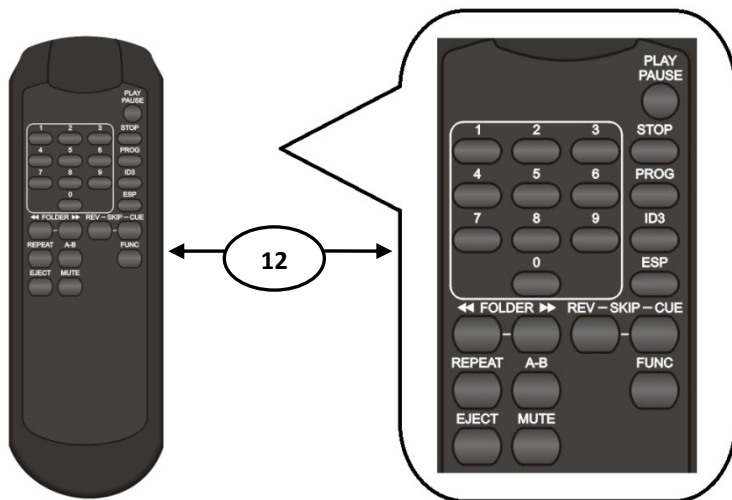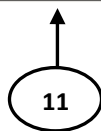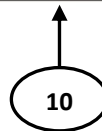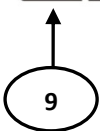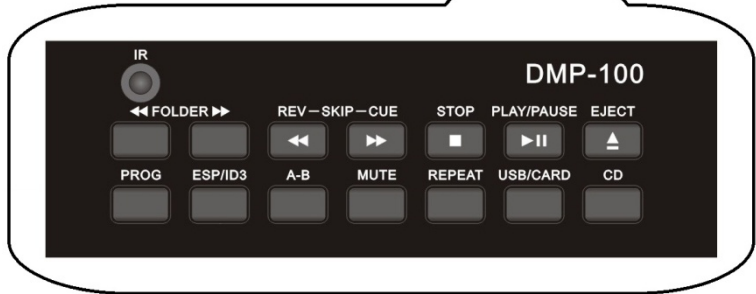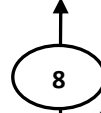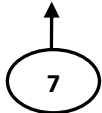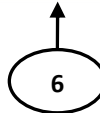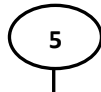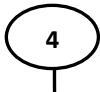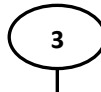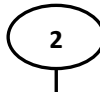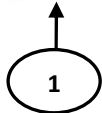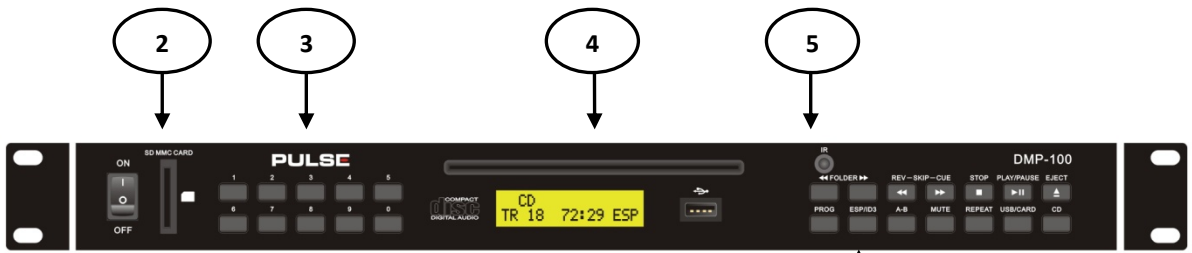
1. **Power Switch:** Power on/off switch for media player.

2. **Memory Card Input:** Allows audio playback of MP3 & WMA files from either SD or MMC cards (FAT32 format with a maximum card size of 32Gb).

3. **Numeric Key Pad:** Used to directly select track numbers.

4. **CD Slot:** Load CD into slot with playing side (mirrored surface) facing down.

5. **Remote Sensor:** Infrared sensor for remote control.

6. **Display:** 2 Row, 32 character LCD display.

7. **USB Input:** Allows audio playback of MP3 & WMA files from a USB2.0 memory stick (FAT32 format with a maximum size of 32Gb).

8. **Control Panel Function Buttons:** See button listing & functions.

9. **Removable Rack Ears:** Allows unit to be mounted into a 19″ rack or removed for stacking.

10. **XLR Outputs**: Balanced audio signal (left and right).

11. **Power Input:** IEC C14 socket with in-built fuse holder (for supplied power lead).

12. **IR Remote:** Full function IR remote control (see button listing & functions).

Button Listings & Functions

Control panel function buttons:

Buttons	Functions
◄◄ FOLDER ►►	Change between folders of MP3 & WMA audio sources.
REV - SKIP - CUE	Skip between tracks (**REV**: Previous, **CUE**: Next). Hold **CUE** button to fast forward or the **REV** button to rewind the playing track.
STOP	CD: Stops the playing track and returns to beginning of CD. MP3 & WMA: Stops the playing track and returns to the 1st song in the 1st folder.
PLAY / PAUSE	Allows you to play and pause the current track.
EJECT	Ejects the CD from the player.
PROG	See advanced functions & settings.
ESP / ID3	CD: Switches the Electronic Skip Protection on & off. MP3 & WMA: Switches the scrolling ID3 text on & off.
A - B	See advanced functions & settings.
MUTE	Press to Mute the playing track, press again to un-mute track.
REPEAT	See advanced functions & settings.
USB / CARD	Switches player to read from the USB input, pressing the button again will toggle between the USB & SD/MMC inputs.
CD	Switches player to read from the CD drive

Remote control function buttons:

| Buttons	Functions
PLAY / PAUSE	Allows you to play and pause the current track.
STOP	CD: Stops the playing track and returns to beginning of CD. MP3 & WMA: Stops the playing track and returns to the 1st song in the 1st folder.
PROG	See advanced functions & settings.
ID3	Switches the scrolling ID3 text on & off for MP3 & WMA audio sources.
ESP	Switches the Electronic Skip Protection on & off for standard audio CDs.
◄◄ FOLDER ►►	Change between folders of MP3 & WMA audio sources.
REV - SKIP - CUE	Skip between tracks (**REV**: Previous, **CUE**: Next). Hold **CUE** button to fast forward or the **REV** button to rewind the playing track.
REPEAT	See advanced functions & settings.
A - B	See advanced functions & settings.
EJECT	Ejects the CD from the player.
MUTE	Press to Mute the playing track, press again to un-mute track.
FUNC	Switches player to read from CD, USB or SD/MMC inputs

Advanced Functions & Settings

Program a play list:

MP3 & WMA files:

- Insert audio source (CD/SD/USB).
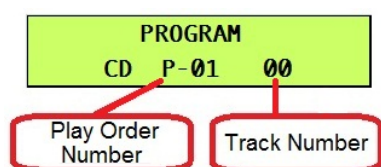- Press **PROG** button.

Display will now show:
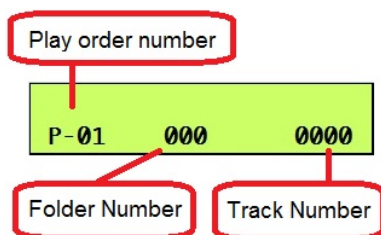
- The folder number will now be flashing, to select the folder number use the **REV/CUE** or number buttons.
- Press **PROG** when the correct folder number is displayed.
- The track numbers will now be flashing, to select the required track number use the **REV/CUE** or number buttons.
- Press **PROG** when the correct track number is displayed.
- Repeat folder & track selection process until playlist is complete.
- Once playlist is complete, press **PLAY** to start playback.
- Use **REV**/**CUE** buttons to skip between tracks in playlist.

Standard audio CD:

- Insert audio CD.
- Press **PROG** button.

Display will now show:

- Use the **REV/CUE** or the number buttons to select the track number required to play in the displayed play order number.
- Press **PROG** when the correct track number is displayed.
- Repeat track selection process until playlist is complete.
- Once playlist is complete, press **PLAY** to start playback.
- Use **REV**/**CUE** buttons to skip between tracks in playlist.

To replay a programmed playlist:
- To replay the programmed playlist, press **PROG** button, then press **PLAY**.
- Your playlist is now start to play again.

Clear a programmed playlist:
- To clear the programmed playlist, press **PROG** button, then press **STOP**.
- Your playlist is now cleared.

ID3 Text:
The LCD screen will show scrolling ID3 text (Title-, Album-, Artist-)

Repeat Mode:

Press the **REPEAT** button to cycle through the following repeat/play options:

REPEAT OPTIONS	
CD	**MP3/WMA**
Repeat Track	Repeat Track
Repeat All	Repeat Folder
Play All Random	Repeat All
Play All	Play All Random
	Play All

A-B Mode:

The A-B button allows the user to select a starting point (A) and end point (B) of a played track.
The player will then only play the audio between these two points until the mode is ended.

To activate A-B mode:

- Whilst playing the desired track, press the A-B button at the required starting point (A).
- With the track still playing, press the A-B button again to set the end point (B).
- The audio player will now only play the track between points A & B.

To clear the A-B mode:

- Press the A-B button again
- The A-B mode is now cleared and the track will now resume playing in full.

Technical Information

- CD input: Single, slot loading
- USB input: USB 2.0 (FAT32 Format, 32Gb Max.)
- Card input: SD/MMC card slot (FAT32 Format, 32Gb Max.)
- Outputs: 2x Balanced XLR (L+R)
- Power supply: 230VAC
- Power consumption: 50VA
- Dimensions (WxHxD): 430x44x255mm (excl. rack ears)
- Weight: 3.5kg

Electrical Performance		
Parameter	**Condition**	**Value**
Output Level	1kHz, 0dB	1.2V ±2dB
Output Level (Difference between channels)	1kHz, 0dB	<2dB
Frequency Response	1kHz, 0dB	20Hz to 20kHz ±2dB
Separation	1kHz	>60dB
THD	1kHz	<0.25%
S/N Ratio	1kHz	>80dB

Compliance

When this product reaches the end of its life, do not dispose with household waste. See www.recycle-more.co.uk for details of how to dispose of PULSE products in an environmentally sound fashion, or contact PULSE directly via www.pulse-audio.co.uk

Warranty

Pulse products are warranted, by Pulse, against manufacturer defects for a period of one year from the original date of purchase. This warranty is limited to manufacturer defects, in either materials or workmanship. PULSE, or any other worldwide divisions of Premier Farnell PLC, is not responsible for any consequential or inconsequential damage to any other component, structure or the cost of installation or removal of said items. Defective items should be returned to the retailer from whom they were originally purchased.

This warranty will not cover damage due to improper use or items damaged by weather. Batteries are covered by a 90 day warranty from date of purchase.

For questions or specific information regarding warranty replacement or repair, please contact:

PULSE
www.pulse-audio.co.uk