

# PMD580

Digital Audio Recorder/Player

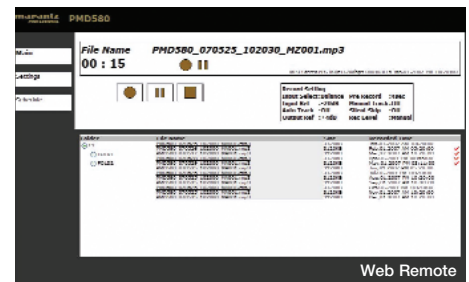
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## Product Overview:

The PMD580 follows a long tradition and heritage of audio recorders from Marantz Professional, bringing the best in technology, ease of use and fully professional connectivity to the user. In addition to the network capability, the PMD580 is fully equipped with Balanced and Unbalanced digital and analogue connectors, as well as USB 2.0 for fast transfer, and RS232.

Recording directly to CF card or Microdrive, the PMD580 will record in either PCM (16/24 bit) or MP3 files formats to give the greatest range of flexibility between sound quality and recording time. Once recorded, the files can be automatically archived to a network drive (via the network connection) or transferred manually to a PC for editing and re-distribution. To fully automate the process, the unit can be programmed for scheduled recording, and subsequent auto-copying of the recorded files to your local network. If required, full remote control can be made via either the RS232 facility, or via the internet using the LAN connection.

Complete in a silver 1U rack mount casing, large, easy to read metering, front-panel access to the media card and USB terminal, the PMD580 is the perfect tool for professional installations requiring versatile, shock and condensation resistant, PC compatible audio recording and playback.



MP3



## Key Features:

- Records directly to Compact flash cards or Microdrive
- MS-DOS™, Windows and Macintosh compatible audio files
- Selectable file types: .wav or .mp3
- Record start and end times can be scheduled
- Pre-Recording memory buffer
- Built-in Time and Date generator
- Network archiving - copy recorded files to a network drive
- Range of Playback Features
- Balanced XLR Line Inputs and Outputs
- Unbalanced Line Inputs and Outputs
- Balanced (AES/EBU) and Unbalanced Digital audio Inputs and Outputs
- RS232 Control
- LAN control/ Web remote

## Applications:

- Broadcast
- Corporate Installation
- Meeting Recording
- Education
- BGM (Back Ground Music)



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## Specifications:

### DIGITAL AUDIO SYSTEM

System Solid State Recorder  
Usable Media CF memory cards, (Microdrive) cards

### RECORDING AND MEDIA METHODS

MP3 MPEG1 Layer III compression  
PCM 16/24 bit linear PCM

### RECORDING BIT RATE (SELECTABLE)

MP3 mono 160, 128, 96, 64, 32 kbps  
MP3 stereo 320, 256, 192, 128, 64 kbps  
Sampling frequency 48, 44.1 kHz  
Number of channels 2 (stereo), 1 (mono)  
Audio Frequency response 10 to 20,000Hz  $\pm$  1.0 dB  
Signal-to-Noise Ratio IEC-A weighted (91) dB  
Total Harmonic Distortion at 0 VU (PCM) (0.01)%  
Dynamic Range (94) dB

### INPUTS

#### BALANCED IN L/R

Type XLR (1:GND, 2:HOT, 3:COLD)  
Input Sensitivity +4dBu /-20dBu /24kohms

#### LINE IN L/R

Type RCA jack  
Input Sensitivity 500 mVrms/22 kohms

#### UNBALANCED DIGITAL IN

Type RCA jack  
Input impedance 75 ohms  
Standard input level 0.5 Vp-p  
Sampling frequency 44.1/48 kHz  
Format AES/EBU or SPDIF (IEC 958 Typell)

#### BALANCED DIGITAL IN

Type XLR (1:GND, 2:HOT, 3:COLD)  
Sampling frequency 44.1/48 kHz  
Format AES/EBU or SPDIF (IEC 958 Typell)

### OUTPUTS

#### BALANCED OUT L/R

Type XLR (1:GND, 2:HOT, 3:COLD)  
Level +4dBu or -20dBu selectable /110 ohms

#### UNBALANCED LINE OUT L/R

Type RCA jack  
Standard level 2 Vrms max./300 ohms

#### BALANCED DIGITAL OUT

Type XLR (1:GND, 2:HOT, 3:COLD)  
Format AES/EBU or SPDIF (IEC 958 Typell) selectable

#### UNBALANCED DIGITAL OUT

Type RCA jack  
Output impedance 75 ohms  
Standard output level 0.5 Vp-p  
Sampling frequency 44.1/48 kHz  
Format AES/EBU or SPDIF (IEC 958 Typell)

### LAN INTERFACE

Format 10Base-T/100Base-TX  
Transmission rate 10/100Mbps  
Connector 8pin RJ-45

### POWER REQUIREMENTS

US model AC120V 60Hz  
European model AC100-240V 50/60Hz  
Power consumption (5.3)W  
Headphone Output power 10 mW+10mW/32 ohms

## In The Box

- Power cable
- USB cable
- 2x Phono cable (rca/cinch)
- Security screws
- Plastic pin and retainer
- CD-ROM/user manual

## Dimensions & Weight

- Height 52mm
- Width 483mm
- Depth 298
  
- Weight 3kg

Available from

**Quadrant**  
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