Network Solid State Recorder

PMD580



Expanding on the legacy of reliable, professional recording of the PMD560 and PMD570 solid state recorders for permanent installations, Marantz Professional is pleased to present the PMD580, a single rack-space digital recorder that adds advanced network control, automatic archiving, and high-resolution recording to the capabilities of this popular line.

Like its line mates, the PMD580 uses proven, stable Compact Flash (CF) as its recording medium, with the inherent reliability of no moving parts. But the PMD580 takes convenience and functionality to another level, incorporating Ethernet connectivity and an internal, web interface that allows centralized control of all operations including scheduling of recordings, machine setup, and file transfer.

With high resolution, 24-bit recording, professional analog and digital I/O hardware, RS232 control, and a myriad of other advanced features, the PMD580 is the ideal recording device for facilities such as universities, corporate meeting rooms, government buildings, churches, and broadcast organizations.

Key Features

- Choice of 24-bit or 16-bit Recording onto Compact Flash (CF) Card
- Ethernet Connectivity with Internal Web-based GUI
- Automatic Archiving of Recorded Files to the Network
- Easy One-touch Recording
- MP3 and WAV File Formats
- · Menu-selectable Quality Settings
- · Balanced XLR Inputs and Outputs
- · AES/EBU and S/PDIF Digital Inputs and Outputs
- RS232 Control Port
- No Moving Parts
- Contact Closure remote with Menu-driven Control

Network Operation and Control with Record Scheduling

With its Ethernet connectivity and internal Web GUI, the PMD580 operates as a website, addressable from any computer on the network, allowing full remote setup and control. This web interface is integral to the design, requiring no extra software and compatible with both PC and Mac network environments. Recording sessions can be scheduled in advance, and recorded files can be downloaded directly to a computer.

Automatic Archiving

For ultimate convenience, an automatic archiving feature allows the uploading of recorded files to any specified network location, eliminating the need to physically walk the CF card back to the storage server. With the ability to lock out front panel controls and track real time, the user can confidently schedule the day's recording to be archived to a designated computer or server at the end of the day, so the PMD580 is always ready to handle the next day's activities. And with its FIFO based file deletion, card maintenance can be completely avoided for a fully automated recording system.

Professional Quality Digital Recording

With a choice of 16 or 24-bit recording in a variety of file formats and quality settings, the PMD580 can handle everything from orchestral music to meetings and lectures with equal aplomb. Utilizing its full complement of professional balanced and unbalanced digital and analog inputs furthers it recording qualities and capabilities.

Flexible File Formats

The PMD580 can record uncompressed WAV or compressed MP3 files across a variety of quality settings, with sample rates up to 48 kHz. Assignable options are accessible from the menu – front panel or Web-GUI, making it simple even for inexperienced operators to select the best option for their application.

Ease of Operation

With its intuitive front panel controls and menu-driven setup, the PMD580 is easy to use. A front-panel screen guides the user through selection of file format and quality settings, while a 12-stage stereo VU meter and headphone output with volume control enable quick and sure confirmation of recording status.

Continued on next page

PMD580

Continued from previous page

System Compatibility

With full professional inputs and outputs, both analog and digital, the PMD580 integrates easily into any system. Analog I/O includes both balanced XLR and unbalanced RCA connections, while digital capabilities include both AES/EBU and S/PDIF inputs and outputs. Beyond that, an RS232C port enables remote control in Crestron and AMX systems, while an Ethernet connection makes the PMD580 a full-fledged network device for both acquisition and playback.

Convenience Features

The PMD580 includes numerous functional recording and editing features. Files can be marked and divided either manually while recording, as well as automatically in predefined increments, making it easier to sort through hours of recorded materials. Whether used manually, via RS232 control or via its IP network interface, the PMD580 offers both comprehensive recording capability and ease of operation, making it the ultimate solid state recorder for the installation market.

XLR (1:GND, 2:HOT, 3:COLD)

AES/EBU or SPDIF (IEC 958 Type II)

AES/EBU or SPDIF (IEC 958 Type II)

110 ohms

3.5 Vp-p

RCA Jack

75 ohms

0.5 Vp-p

44.1/48 kHz

10/100 Mbps

AC 120 V 60 Hz

5-35 °C (41-95 °F)

483 mm (19.0")

344 mm (13.5")

3.7 kg (8.2 lbs)

1

2

1

2

2

1

1

1

44 mm (1.7")

AC100 -240 V 50/60 Hz

25 - 85% (No Condensation)

-20 - 60 °C (-4 - 140 °F)

18 mW+ 18 mW/32 ohms

8pin RJ-45

10Base-T/100Base-TX



Specifications

	System	

System Úsable Media Recording and Media Methods

WAV Recording MP3 Bit-rate (Selectable)

Mono Stereo

Sampling Frequency Number of Channels Audio Frequency Response

Signal-to-noise Ratio, IEC-A Weighted Total Harmonic Distortion at 0 VU Dynamic Range

Inputs

Balanced Input Type

Input Sensitivity Unbalanced Input

Type Input Sensitivity

Balanced Digital Input Type

Sampling Frequency

Format

Unbalanced Digital Input

Туре Input Impedance Standard Input Level Sampling Frequency

Format

Outputs

Balanced Output Type

Unbalanced Output

Level Type

Standard Level

Solid State Recorder

CF Memory Cards, Microdrive Cards

MPEG1 Layer III Compression

16/24 Bit Linear PCM

160, 128, 96, 64, 32 kbps 320, 256, 192, 128, 64 kbps 44.1/48 kHz

2 (Stereo), 1 (Mono) 10 to 20,000 Hz \pm 1.0 dB

91 dB 0.01% 94 dB

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

RCA Jack

500 mVrms/22 kohms

XLR (1:GND, 2:HOT, 3:COLD)

44.1/48 kHz

AES/EBU or SPDIF (IEC 958 Type II)

RCA Jack 75 kohms 0.5 Vp-p 44.1/48 kHz

AES/EBU or SPDIF (IEC 958 Type II)

XLR (1:GND, 2:HOT, 3:COLD) +18 dBu (+4 dBu Reference)/600 kohms

RCA Jack

2 Vrms (+4 dBu Reference)/10 kohms

Balanced Digital Output

Type Output Impedance Standard Output Level

Format

Unbalanced Digital Output

Туре Output Impedance

Standard Output Level Sampling Frequency Format

LAN Interface

Format Transmission Rate

Connector

General Power Requirements

U.S. Model European Model

Power Consumption **Environmental Conditions**

Operational Temperature Operational Humidity Storage Temperature

Headphone Output Power Dimensions

Width Height Depth

Weight

Included Accessories

Power Cord (for U.S.) Power Cord (for Europe) **USB** Cable Audio Cable CF Door Screw Retainer User Guide CD-ROM

Customer Registration Document (Only for U.S.)

* Specifications are subject to change without notice.

D&M Professional 1100 Maplewood Drive Itasca, Illinois 60143 Tel: 630.741.0330 Fax: 630.741.0652 www.d-mpro.com

@ 2008 D&M Professional. All rights reserved.



