

Pro-Installation Solid-State Recorder

PMD570



For years, Marantz Professional has led the industry in the recording and gathering of audio for every application from Houses of Worship to Corporate Boardrooms to Municipalities to Courthouses and beyond. Not afraid of moving forward with technology, the new PMD570 pro-installation solid state recorder from Marantz Professional will lead the charge in audio data acquisition. Replacing the traditional cassette tape with readily available and affordable CF (compact flash) cards may be scary; but after all of the benefits of doing so have been realized, you'll know why Marantz Professional and the PMD570 are out in front again.



Features RS-232

Key Features

- Record Directly to Compact Flash Cards
- RS-232c Control of Functions
- Easy One Touch Record
- No Moving Parts
- MP3, MP2, WAV, and BWF Format Compatible
- Over 40 Assignable Quality Settings
- Security for Media (Door)
- 16-48 kHz Sample Rate Selections
- 32-384 Bit Rate Selectable
- Menu Driven Contact Closure for Remote Operation:
Start-Pause, Mark EDL/Create New File/Start-Pause with New File/
Mark EDL
- Digital Input and Output
- Balanced XLR Line inputs with Trim
- Unbalanced Line In and Out

Extensive Capability

Designed with compatibility for MP3, MP2, BWF, and WAV formats, the PMD570 boasts an impressive 40 assignable quality settings as well as a FAT32 file allocation table for future multi-gig file compatibility.

Simple Operation

With one button press, users can record audio files to affordable and widely available microdrives or compact flash cards.

RS-232c Control of Functions and Presets

The PMD570 is the first installation solid-state recorder in a history of innovative recorders to feature true installation quality and full two-way RS-232 control. Users can also setup, change, and replace all preset settings via RS-232 and their PC (see graphic on page 2), which is ideal for install with multiple units. One can simply "flash" the units with the desired settings, parameters, and recording algorithms.

On Demand Marking

Expanding on the marking capabilities of the Marantz Professional PMD670, the PMD570 allows the end-user to mark and divide files in many different manners. Just like the PMD670, one can make an EDL mark or create a new file (track) either by the front panel or by a contact closure signal. The PMD570 will also be able to mark a file or create a new file by RS-232 control or by utilizing a new Marantz Professional wired remote to be released in the near future.

"Minute Track Mode" Recording

While recording, the PMD570 has the ability to create new files while recording at a number user definable increments for easy navigation through hours of audio. A new file (track increment) can be created by the PMD570 at 1, 5, 10, 15, and 30 minutes as well as 1, 2, 6, 8, 12, and 24 hour intervals for long-term, unattended audio recording.

Transfer Audio Files to PC

The PMD570 features a computer I/O connection that allows it to be easily linked for rapid file transfer to your PC or MAC computer. Users can drag and drop recorded audio files to their computer's hard drive in minutes—without the real-time delay disadvantages of cassette, mini disc, or DAT recording.

Compact Flash - the Media

Record it right the first time and avoid all of the timely transfers and expensive conversions associated with cassette, mini disc, and DAT recordings to your PC or server. Archiving meetings on cassettes is expensive and space consuming. With the Marantz Professional PMD570 and one inexpensive Compact Flash card, you can archive over 50 hours on one 700MB compact disc. That's over 33 - 90 minute cassettes worth of recording!!! And with compact flash media being used in so many digital cameras, it is a format that is here to stay.

PMD570

Specifications

General

System Solid-state recorder
 Number of Channels 2 (stereo), 1 (mono)
 Usable Media CF memory cards, Microdrives

Recording and Media Methods

.mp2 MPEG1 layer II compression
 .mp3 MPEG1 layer III compression
 .mp3 MPEG2 layer III compression*
 *for all half sample rates

PCM

Power Consumption 5.3 W
 Headphone Output Power 20 mW/32 ohms

Dimensions (Maximum)

Width 483 mm
 Height 52 mm
 Depth 298 mm
 Weight 3.0 kg

Audio

Recording Bit rate (Selectable)

MP2 Stereo 384, 256, 192, 128, 96, 64 kbps
 MP2 Mono 192, 128, 96, 64, 48, 32 kbps
 MP3 Stereo 320, 256, 160, 128, 80, 64 kbps
 MP3 Mono 160, 128, 80, 64, 40, 32 kbps
 Sampling Frequency Analog 48, 44.1, 32, 24*, 22.05*, 16* kHz
 *except MP2

Digital

Frequency Response (PCM 44.1 kHz) 20,000 Hz (-0.5 dB)
 Signal-to-Noise Ratio IEC-A Weighted 91 dB

Total Harmonic Distortion at

0 VU (PCM) 0.01%

Dynamic Range

94dB

Inputs/Outputs

Balanced LINE IN L/R
 Type XLR (1:GND, 2:HOT, 3:COLD)
 Input Sensitivity +16dBu/@ 0dBFS (+4dBu/@-12dBFS)
 /24 k ohms
 0dB - +24dB Trim Control

Unbalanced LINE IN L/R

Type RCA jack
 Input Sensitivity 500 mVrms/22 k ohms

LINE OUT L/R

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

DIGITAL IN/OUT

Type RCA jack
 Impedance 75 ohms
 Standard Level 0.5 Vp-p
 Sampling Frequency 44.1/48 kHz
 Format SPDIF (IEC-958 type II)



RS-232 Application/Presets screen for PC programming

PLEASE NOTE: Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.

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