

Professional Solid-State Recorder **PMD660**

Field recording means more than just "battery-operated." It takes ruggedness, flexibility, specialized features, and the highest audio quality. It also takes experience to really understand what happens in the field, and to design the right tools for the job. Marantz Professional has that experience. For more than 20 years, Marantz Professional has designed and built field recorders that are up to the challenge, and the PMD660 is no exception. Critical field applications like electronic journalism, technical investigation, and documenting legal proceedings have been waiting for a high-powered, high-quality, high-reliability solid-state recorder in a compact package. Now Marantz Professional has answered with the PMD660.

Our newest PMD recorder is small enough to fit in the palm of your hand, but it has features that make more expensive, full-sized field recorders green with envy. It can run for hours on just four AA batteries. It records on Compact Flash media cards which you can find in any discount store, and will store more than 36 hours of mono on a single 1GB card. If audio quality is your key requirement, you get over an hour of pristine, uncompressed, 16-bit .wav files. Editing can be achieved right there in the field using either of two editing modes, or you can use your favorite audio editing application by transferring files to your PC—the PMD660 even has its own USB port. XLR inputs, phantom power, built-in mics and more—it's all there in the PMD660.

One last thing. Because the PMD660 is a solid-state recorder, it has no moving parts to break or service. There-it just paid for itself. And it's only from Marantz Professional.



Key Features

- Smallest PMD yet-fits in your hand
- Records uncompressed 16-bit PCM .wav files at 44.1 kHz or 48 kHz
- Records mono .mp3 files at 64 kbps
- Records stereo .mp3 files at 128 kbps
- Uses inexpensive, widely available Compact Flash media (CF)
- 1GB CF card can hold over 1 hour of uncompressed stereo
- 1GB CF card can hold over 17 hours (stereo) or 36 hours (mono) .mp3
- Operates for four hours on four AA batteries
- Two XLR mic connections with +48v phantom power
- Two built-in condenser mics for easy, true stereo recordings
- Stereo line I/O
- Solid State Design
- No moving parts-no maintenance
- "Copy Segment" cut-and-paste editing to a new sound file
- 99 "Virtual Tracks" for immediate playback access of important audio segments
- Built-in USB port for easy file transfer
- Optional wired remote control with peak indicator

Solid State Technology

The PMD660 is the newest generation of "Flash Recorders". By storing audio data on Compact Flash (CF) media cards, all of the mechanical hassles of tape recorders are gone forever—as are the costs of servicing and maintaining them. Solid State Technology makes the PMD660 less vulnerable to bumps, vibrations, and sonic deterioration over the long haul. Not only that, but CF storage allows you to choose from several recording formats, and makes transfer to computers a snap.

Long Battery Life

Tired of lugging around six extra D-Cells just so you can interrupt your recording to change batteries half-way through an event? The PMD660 will run for four hours on four AA cells. You can carry an extra set around and not even notice they're there—not that you'll need them.

Long Record Times

No more flipping tapes! A single 1 GB flash card can hold up to 36 hours of uninterrupted audio (monaural .mp3 at 64 kbps). For music recording, the same sized card can hold more than 17 hours high-quality compressed stereo (.mp3 at 128 kbps). If you need the unmatched quality of uncompressed audio, you can get about one-and-a-half CDs worth of 16-bit linear PCM audio at 44.1 kHz or 48 kHz on the same 1GB card.

Professional I/O

Let's face it. Plugging professional-grade microphones into an 1/8" jack is asking for trouble. The PMD660 offers two balanced XLR mic inputs with +48v phantom power. And just in case you don't have the time, space or budget to use external microphones, the PMD660 includes a stereo pair of condenser mics built right in.

Editing and File Transfer

In the end, you'll probably want your audio to be used for broadcast, or burned to a CD for evidence, documentation, or just for convenient playback. You'll want to edit out dead air and relevant information. You can do this right on the PMD660 with cut-and-paste simplicity using the "Copy Segment" mode. You don't need to worry about mistakes, because the PMD never erases your original recording. Once you have it the way you like it (or if you prefer to edit on your computer or DAW), you can transfer your audio files to a PC for broadcast or CD burning through the PMD660's built-in USB Port.

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Exclusive-"Virtual Track" Mode

For more sophisticated editing jobs, the PMD660 features Marantz Professional's exclusive "Virtual Track" mode. In this mode, you can create up to 99 virtual tracks-internal playlists of audio segments. You simply tell the PMD660 what segments of a file to play, and in what order, and it does it-without altering the original file in any way, and without using up more card memory. Need 5 and 10 second sound bites and a two-minute interview segment, all from the same file? It's easy with virtual tracks.

Optional Wired Remote

It would be great if every recording situation had a field engineer running everything behind the scenes. Unfortunately, all too often it's just you, wishing you had more hands. The RC600 wired remote control enables you to start and stop recording, and to mark new track-starts on the fly. It even has a peak meter right on the remote, so you can keep an eye on your recording, without taking your eye off the ball.



The optional RC600 Mic Remote attaches directly onto your favorite handheld mic and gives you full record control with peak indication.



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Specifications

Digital Audio System

System	Solid State Recorder
Usable media	CF memory card Microdrive
Recording format	MPEG Audio Layer III compression
MP3	16 bit linear PCM
PCM	
Recording bit rate	64 kbps
MP3 mono	128 kbps
MP3 stereo	44.1, 48 kHz
Sampling frequency	2 (stereo), 1 (mono)
Number of channels	

Audio Performance

Frequency response	16,000 Hz (-0.5dB)
Signal-to-noise ratio	LINE 80 dB
IEC-A weighted	MIC 60 dB
Total harmonic distortion	LINE 0.06%
at 0 VU (PCM)	MIC 0.15%
Dynamic range	80 dB

Inputs

MIC IN L/R	
Type	XLR (1:GND, 2:HOT, 3:COLD)
Input sensitivity	1.2 mV rms /6.5k ohms
LINE IN L/R	
Type	1/8" mini jack
Input sensitivity	300 mV rms /20k ohms

Outputs

LINE OUT L/R	
Type	1/8" mini jack
Standard level	2 V rms max. /2k ohms
Headphone	
Type	1/8" mini jack
Output power	8 mW /32 ohms
Speaker	
Output power	150 mW /16 ohms
Phantom power	+48V, 5mA

General

Power Consumption	4 W (DC)
Recording/Playback	
Battery life (Alkaline)	4 Hours (typical)
Dimensions	
Width	4.5" (113 mm)
Height	1.9" (47 mm)
Depth	7.2" (183.5 mm)
Weight	1.1 lbs. (0.5 kg)

Included Accessories

CF card (64MB) (US only)	1
AC adapter	1
USB cable	1
Audio cable	1
Carry strap	1
Screws (ISO 3x10 mm)	2
Plastic pin and retainer	1
CD-ROM	1
User guide	1

Optional Accessories

Wired remote	RC600PMD
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(See www.d-mpro.com for description and/or ordering information)

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