

# PMD670

Solid State Recorder



**marantz**  
PROFESSIONAL

# PMD670



industry standard computer interfacing allows fast download of recorded material direct from the PMD670, without removing the media!



one touch recording for easy audio capture, plus a three second pre-record buffer for added security. ID marks can also be added during recording or playback



Neutrik professional xlr balanced microphone inputs with switchable phantom power for high quality audio recording



large backlit display accommodates a range of recording information—including chosen bitrate, sampling frequency and file format



three remote control modes for added flexibility in remote start applications. The PMD670 can also power on and start recording automatically



The Marantz Professional PMD670 is the second generation, portable, solid state recorder, recording audio directly as files to Compact Flash or Microdrive storage formats. These can subsequently be inserted into a computer for editing, distribution or archiving. Building on the worldwide success of our first generation recorders, we have optimized and refined our original specification and incorporated a range of additional features requested by our user base, such as switchable sampling frequencies, USB connection and removable covers across the main control panel and media drive.

### key features

- Compact Flash or IBM Microdrive up to 10gb (when available)
- Over 12 hrs recording (uncompressed stereo WAV)
- WAV, Broadcast Wave, MP2 or MP3
- 48, 44.1, 32, 24, 22.05, 16khz sampling frequencies
- USB port for direct file transfer & software updates
- Switchable bitrate (16-384 kbps)
- Digital input and output, XLR (48V) microphone inputs
- Microphone filtering and limiter
- Mark points during recording and playback
- Built in condensor microphone and loudspeaker

*Featuring a brand new engine, capable of recording in the popular high compression MP3 format as well as MP2 and uncompressed linear PCM, the PMD670 has the flexibility to be used in a wide variety of recording applications. In addition to variable bitrates (controlling file size and recording time), the PMD670 has selectable sampling rates (16khz up to 48khz) for fine recording control in both compressed and uncompressed recording.*

*The USB port allows high speed direct download from the machine without removing the media, while the lockable covers (supplied) can be fitted to both the card slot and the top panel settings—thereby allowing an engineer or technical manager to preset the unit, confident that changes cannot accidentally be made during use.*

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## Solid State Recorder

# technical specifications



### GENERAL

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	16 bit linear PCM

### 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*, 22.050*, 16* kHz (*except MP2)
Digital	48, 44.1kHz
Frequency response	(PCM 44.1kHz)..20,000 Hz (-0.5dB)
Signal-to-Noise Ratio	LINE86dB / MIC 65dB
Total Harmonic Distortion at 0 VU (PCM)	LINE 0.03% / MIC 0.08%
Dynamic Range	86 dB

### INPUTS / OUTPUTS

<b>MIC IN L/R</b>	
Type	XLR (1:GND, 2:HOT, 3:COLD)
Input Sensitivity	1.2mVrms/6.5 kohms
<b>LINE IN L/R</b>	
Type	RCA jack
Input Sensitivity	300mVrms/20 kohms
<b>LINE OUT L/R</b>	
Type	RCA jack
Standard Level	2 Vrms max./2 kohms

### 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)

### POWER CONSUMPTION

Recording/Playback	5.2 W
Charging	12 W
Standby (battery driven)	2.2mW
Headphone Out power	20 mW/32 ohms
Speaker Output power	100 mW
Phantom power	+48V, 10mA

### DIMENSIONS (maximum)

Width	10.4 in. (264 mm)
Height	2 in. (55 mm)
Depth	7.3 in. (185 mm)
Weight	2 lbs. 14 oz. (1.3 Kg)

### input/output

- balanced XLR (L/R) microphone in
- unbalanced line in/out (rca/cinch)
- unbalanced digital in/out (rca/cinch)
- remote control input (2.5mm jack)
- USB

### applications

- broadcast—radio, tv, internet & multimedia
- meeting recording—municipal, corporate, legal
- linguistic recording—oral history, linguistic research, speech therapy
- bioacoustic (wildlife) recording
- law enforcement recording
- medical recording

### included accessories

- power supply
- user manual
- alkaline battery holder
- removable top panel cover
- usb cable
- shoulder strap

### Please note:

Specifications are based on measurement conditions and proper care for the machine. Marantz reserves the right to change design and specification without notice. Availability of models may vary by territory.