

PMD620

Handheld Audio Recorder

marantz
PROFESSIONAL

Product Overview:

The Marantz PMD620 is a high performance handheld digital recorder that records to SD flashcard media in either PCM (.WAV) or MP3 audio formats. The light weight compact form (just 62 x 102 x 25 mm), ergonomic design and ease of operation recommend the PMD620 to a wide range of users, including journalists, reporters, programme makers, podcasters, musicians and sound recordists everywhere.

Features include an inbuilt stereo condenser microphone array for 'point and shoot recording', and an intuitive control surface for single handed operation, with thumb operated transport wheel and tactile, red illuminating, record button. A high contrast, low power draw organic LED (OLED) screen provides vivid display of menus which guide the user through the optimum set up and operation for their application.

Recording settings are selectable between those for high quality music recording to extended voice recording. The use of SD cards, the most stable and commonly available type of flash media, includes support for SDHC (SD High Capacity) cards, with recording file size limited only by card capacity. Recording time with a 4 GB card extends from 3 hrs 44 mins for stereo PCM at 24-bit / 48 kHz, to 283 hrs 44 mins – almost 12 days – for mono MP3 at 32 kbps.

Journalists and podcasters will appreciate the PMD620's non-destructive on-board editing, with non-destructive cut-and-paste 'Copy Segment' editing to create new sound files. Transcription is simple with the Skip Back function, and file transfers to any computer are drag-and-drop via the USB 2.0 connectivity.



Key Features:

- Handheld portability, compact rugged design
- Single handed operation and one-touch recording
- User configurable, high contrast OLED display
- Solid state SD and SDHC card recording media
- Selectable stereo / mono / .WAV / MP3 recording
- Selectable 16 bit and 24 bit recording depths, 44.1 kHz and 48 kHz sample rates, and six MP3 bit rates from 192 kbps to 32 kbps
- Professional recording, editing and playback features
- Integrated stereo condenser microphone array
- Mic and line level external inputs
- Internal playback speaker
- USB 2.0 connectivity to PC, for drag and drop file exchange
- Power from two AA cells typically provides 5 hours operation

Applications:

- Broadcasting
- Podcasting
- Location recording
- MI (musical instrument) demoing
- Education
- Meeting and conferencing



MP3



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Specifications:

Digital audio system

System	Solid State Recorder
Usable media	SD/SDHC cards
Recording format	
MP3	MPEG1 LayerIII Compression
WAV	16/24 bit linear PCM
Recording MP3 bitrate	
Stereo	192/128/64 kbps
Mono	96/64/32 kbps
Sample rate	44.1/48 kHz
Number of channels	2 (Stereo)/1 (Mono)

Audio Performance

Frequency response	20 Hz ~ 20 kHz (± 1 dB)
Signal-to-noise ratio, IEC-A weighted	
MIC	68 dB
LINE	80 dB
Total harmonic distortion at 0 VU	
MIC	0.06%
LINE	0.02%
Dynamic range	81 dB

Inputs

External MIC	
Type	1/8" stereo jack
Input sensitivity	12 mVrms/30 kohms
LINE	
Type	1/8" stereo jack
Input sensitivity	500 mVrms/20 kohms

Outputs

LINE	
Type	1/8" stereo jack
Standard level	1.0 Vrms/10 kohms
Headphone	
Type	1/8" stereo jack
Standard level	16 mW/16 ohms
Speaker	
Standard level	150 mW/8 ohms

General

Power consumption	
Recording/Playback	1.5 W (DC)
Battery life (Alkaline)	5 hours (Typical)
Phantom power	5V, 1mA (Max.)
Environmental conditions	
Operational temperature	0 to 40°C (32 to 104°F)
Operational humidity	25 to 85% (no condensation)
Storage temperature	-20 to 60°C (-4 to 140°F)

- Specifications are subject to change without prior notice.

Included Accessories:

- Audio cable
- USB cable
- User Guide
- CD-ROM
- SD card (512 MB)
- Tripod mount/belt adaptor
- Wrist strap



Dimensions & weight (excl. batteries): (H x W x D):
2.5" x 4" x 1" (62mm x 102mm x 25mm) - 110 g (4 oz)