

Handheld

# PMD620MKII

## Handheld Digital Audio Recorder



The Marantz PMD620 MKII 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 lend the PMD620 MKII to a wide range of users, including journalists, reporters, municipal and meeting recorders, podcasters, musicians and sound recordists everywhere.

Features include an built-in stereo condenser microphone array for 'point and shoot' recording, an intuitive control surface for single handed operation with thumb operated transport wheel and a 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.

Record 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, including support for SDHC (SD High Capacity) cards, provides recording file sizes 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. Compatibility with SDHC media means cards up to 32 GB in size can be utilized and the new built in 'SD Card Check' makes it easy and convenient to insert any SD card and ensure it's compatibility.

The new 'Retake' feature allows a simple button press to take you back though the previously recorded audio to create a new drop-in point. This enables easy re-recording part way through unwanted takes ideal for dictation and verbal note gathering.

New security features have also been added into the MKII with Password Protection and File encryption abilities that work hand in hand to keep recordings safe from unauthorized access. MP3 files can be encrypted to .MPS files and WAV files encrypted to .WAS files. Both MPS and WAS files utilize a 4 digit password protection feature so that only those with the 4 digit key can open and play the files either on the player, or in the new updated PMD Marker Editor software, included in the box.

The free PMD Marker Editor software (for PC) allows marker points made on the recorded file to be adjusted post-recording, and a new file created, meaning basic editing can be carried out on any handy PC or laptop, and files posted for immediate distribution.

### Features

- Handheld portability, compact rugged design
- Card check compatibility feature
- Passcode protection for the device
- Password protected file encryption
- Linear style Retake record function
- Single handed operation and one-touch recording
- User configurable, high contrast OLED display
- Utilizes stable and reliable SD/SDHC flash media
- Selectable stereo / mono / .WAV / MP3 recording
- Selectable 16- 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
- Includes DMP Editor software for advanced features and functionality

### Applications

- Broadcast and Journalism
- Law Enforcement
- Municipal and Court Recording
- Government and Surveillance
- Musicians
- Dictation for Law, Medical, Education
- Meeting Recording



# Specifications

## Digital Audio System

System	Solid State Recorder
Usable media	SD/SDHC cards
Recording format	
MP3	MPEG1 Layer III Compression
WAV	16/24 bit linear PCM
<b>Recording MP3 bit-rate</b>	
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 (±1dB)
<b>S/N ratio IEC-A weighted</b>	
MIC	68 dB
LINE	80 dB
<b>Total harmonic distortion at 0 VU</b>	
MIC	0.06%
LINE	0.02%
Dynamic range	81 dB

## Inputs

<b>External MIC</b>	
Type	1/8" stereo jack
Input sensitivity	6 mVrms/30 kohms
<b>LINE</b>	
Type	1/8" stereo jack
Input sensitivity	500 mVrms/20 kohms

## Outputs

<b>LINE</b>	
Type	1/8" stereo jack
Standard level	1.0 V/10 kohms
<b>Headphone</b>	
Type	1/8" stereo jack
Standard level	16 mW/16 ohms
<b>Speaker</b>	
Standard level	150 mW/8 ohms

## General

<b>Power consumption</b>	
Recording/Playback	1.5 W (DC)
Battery life (Alkaline)	5 hours (Typical)
Phantom power	5V, 1mA (Max.)
<b>Environmental conditions</b>	
Operational temperature	0 - 40°C (32 - 104°F)
Operational humidity	25 - 85% (no condensation)
Storage temperature	-20 - 60°C (-4 - 140°F)
<b>Dimensions</b>	
Width	62 mm (2.5")
Height	102 mm (4")
Depth	25 mm (1")
Weight (Excl. batteries)	110g (4 oz)

## Included Accessories

- Audio cable
- USB cable
- AC adapter
- User guide
- CD-ROM
- Handy strap
- Tripod/Belt clip adapter
- SD card

## Additional Images

