

Professional digital recording & playback



Field Recording



Business Conference



Boardroom

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Introduction

For many years, Marantz Professional has provided the professional solution for audio acquisition. As familiar in the broadcast, commercial installation and corporate markets as it is in education, legal and professional audio, Marantz Professional continues to supply its customers with the latest in high-quality digital audio acquisition technology. From the smallest broadcast-quality portable recorders to fully automated, network-connected recorders, Marantz Professional continues to lead the way in technology and design, creating benchmark products for the 21st century.



Handheld & Portable Recorders

Handheld

PMD620

Handheld Digital Audio Recorder

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 onboard 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.

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



PMD661

Professional Compact Digital Audio Recorder

Introducing the Marantz Professional PMD661, a highly robust, versatile professional handheld PCM / MP3 recorder, which joins a range including the highly successful PMD620 & PMD671

The PMD661 sports a professional broadcast feature set alongside major new design innovations, including a significantly smaller footprint than the PMD660, an improved top facia layout with fewer buttons and more highly developed use of multi-functional operation. Measuring just 165 x 93 x 36 mm (6.5" x 3.7" x 1.4"), is 1/3 smaller than the PMD660, and combined with the improved control layout it ensures comprehensive single handed operation. The new feature set includes an integrated high quality stereo condenser microphone array for 'point and shoot' operation, and a highly visible 128 x 64 dots matrix OLED (organic LED) display.

The PMD661 features both balanced mic and balanced line XLR inputs, as well as unbalanced line outs on RCA connectors and a secondary unbalanced line in on 3.5

mm mini jack connector. Also included for the first time at this price point within the Marantz range is a high resolution 24-bit / 96 kHz recording option (PCM). The PMD661 utilises SD flash media, the most widely available and fastest developing flash memory format. Compatibility with SDHC media means that cards currently up to 32 GB in size can be used. High capacity media storage is matched by six hours recording time from four AA Alkaline / Ni-MH batteries. Drag and drop file transfer is supported via the USB 2.0 port.

PMD Marker Editor: For the first time Marantz Professional has bundled it's Marker Editor software free in the box. PMD Mark Editor allows the 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

- Record directly to SD cards - SD/SDHC compatible
- Handheld Size - 165x93x36mm
- Large OLED (organic LED) Display
- MP3, WAV(BWF), format compatible
- 16/24-bit linear quantization
- 44.1/48/ 96KHz sample rate selection (96KHz only for PCM)
- MP3 Bit Rate - 64 - 320kbps Stereo
- Balanced XLR Mic input
- 48V phantom power
- Balanced XLR Line Input, Unbalanced line in and out, Digital Input (SPDIF)
- USB 2.0 for fast file transfer
- 4 x AA Batteries, providing six hours recording

- (w/Alkaline 1450mAh batteries)
- Dictation Functions including Pitch control and Skip Back
- Supplied with New PMD MARK EDITOR Software



PMD671

Professional 24-bit/96kHz Digital Audio Recorder

Marantz Professional's PMD671 for one-touch, non-stop, PC-compatible recording. This solid state device can record audio files to affordable and widely available Microdrives or Compact Flash cards with just the flick of a switch. Designed for compatibility with MP3, MP2, BWF and WAV formats, the PMD671 boasts an impressive 40 assignable quality settings as well as a File Allocation Table (FAT32) for future multi-gigabyte file capability. Features include: non-stop recording with 6 hours of battery life; menu-driven remote operation; and an EDL marking system for creating new files on-the-fly during recordings for easy file selection during playback.

Simple Operation

With the flick of a switch, users can record audio files to affordable and widely available microdrives or compact flash cards.

Transfer Audio Files to PC

A table-top portable model, the PMD671 features a computer I/O connection that allows it to be easily linked for rapid file transfer.

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.



Features

- Record directly to compact flash cards
- One-touch record
- MP3, MP2, WAV, and BWF formats
- 16-96kHz sample rate selections 16-384bit rate selectable
- Digital IN/OUT, Analog IN/OUT
- Balanced XLR mic inputs
- +48V phantom power
- USB (2.0)
- Read after write monitor
- Shift time playback
- Monitoring without REC-MUTE
- Optional NiCad and NiMH batteries (rechargeable on-board)
- EDL marker function



CDR310

Professional Portable CD Audio Recorder

Marantz is taking CD recording to the next level with the CDR310, the first truly portable, affordable CD-based field recorder. Whether for documentation, duplication, or archiving, audio CDs promote confidence through their permanence and universality. While digital recording and CD burning have been commonplace for several years, existing hardware has lacked the go-anywhere flexibility and ease of use that users have come to expect in the digital age. The CDR310 has changed all that. The CDR310 frees the user from the constraints of system-based solutions, delivering the same great recording quality in portable field capture as it does in permanent installations. With an on-board hard drive, the compact, lightweight CDR310 records high quality 16-bit audio in CD-DA, WAV, AIFF or MP3 file formats, then can burn a CD instantly, on location. Best of all, the CDR310 has battery operation capability so you can take it anywhere.



Features

- Digital hard disc recording in a variety of formats
- Instant CD burning
- Convenience and portability with one-touch record operation
- Flexible record modes - Pre-Record, Background Record, Silent Skip,
- Adjustable Auto Track
- Professional hardware from input to output

Accessories

Portable Digital Recorders

PRC620

Professional Carry Case for PMD620



RC600

Remote control for PMD digital recorders



DD1

USB foot pedal and Windows™ software for transcription



PRC600

Protective bag for CDR310



Other Accessories

DA620

Power supply for PMD661

CLC670

Protective vinyl case for PMD670/671

PRC661

Professional reported case for PMD661



Rackmount Recorders/Players

Rackmount

PMD580

Rackmount Networked Digital Audio Recorder/Player



The PMD580 follows a long tradition and heritage of audio recorders from Marantz Professional, bringing the best in technology, ease of use and fully professional connectivity to the user. In addition to the network capability, the PMD580 is fully equipped with Balanced and Unbalanced digital and analogue connectors, as well as USB 2.0 for fast transfer, and RS232. Recording directly to CF card or Microdrive, the PMD580 will record in either PCM (16/24 bit) or MP3 files formats to give the greatest range of flexibility between sound quality and recording time. Once recorded, the files can be automatically archived to a network drive (via the network connection) or transferred manually to a PC for editing and re-distribution. To fully automate the process, the unit can be programmed for scheduled recording, and subsequent auto-copying of the recorded files to your local network. If

required, full remote control can be made via either the RS232 facility, or via the internet using the LAN connection. Complete in a silver 1U rack mount casing, large, easy to read metering, front-panel access to the media card and USB terminal, the PMD580 is the perfect tool for professional installations requiring versatile PC compatible audio recording and playback.

Features

- Records directly to Compact flash cards or Microdrive
- MS-DOS™, Windows and Macintosh compatible audio files
- Selectable file types: .wav or .mp3
- Record start and end times can be scheduled
- Pre-Recording memory buffer
- Built-in Time and Date generator
- Network archiving - copy recorded files to a network drive
- Range of Playback Features
- Balanced XLR Line Inputs and Outputs
- Unbalanced Line Inputs and Outputs
- Balanced (AES/EBU) and Unbalanced Digital audio Inputs and Outputs
- RS232 Control
- LAN control/ Web remote



PMD570

Rackmount Installation Digital Audio Recorder/Player



For years, Marantz Professional has led the industry in the recording and gathering of audio. For scenarios where the recorder can be permanently installed, for example in a theatre, boardroom, lecture hall or music venue, the PMD570 delivers high quality digital recording and playback in a robust, reliable 1U rackmount format.

For ease of use the PMD570 can be remote controlled via its RS232 connection and has USB connectivity for fast file transfer to either a PC or Mac.

Features

- Record directly to compact flash cards
- RC232C
- One touch record
- MP3, MP2, WAV, and BWF format
- 16-48kHz sample rate selections
- 32-384bit rate selectable
- Menu driven contact closure for remote operation
- Digital I/O
- Balanced XLR line inputs
- Unbalanced line In/Out
- 1U



PMD560

Rackmount Installation Digital Audio Recorder/Player



For the past few years Marantz Professional's solid state recorders have been revolutionising the worlds of broadcasting, journalism, and portable recording. With no moving parts, solid state technology has made repair and maintenance practically a thing of the past. Now Marantz Professional brings the flexibility and reliability of this format to the installation market at an affordable price-with the PMD560. More and more, audio is being delivered online, through email, webcasts, and pod-casts. The equipment you install has to be capable of rendering your audio in the high-quality digital formats that end users want, need, and expect. The PMD560 is designed precisely for this

purpose. Mounting into an economical 1U rack space, the PMD560 records audio directly to an inexpensive Compact Flash card. It can easily be configured to record mono or stereo in two of the most common data formats, PCM (uncompressed) and .mp3. If you use more than one format, the PMD560 offers three programmable presets for your favourite setups - press one key and the PMD560 is configured to your specifications. RS-232 is provided for machine control and automation, while editing and playlist creation can be done directly from the front panel. We've even included a USB connector on the front panel to facilitate transfer of sound files to your PC.

Features

- Solid State Design
- No moving parts - low maintenance
- 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
- 3 Presets allow instant configuration of recording format
- Uses inexpensive, widely available Compact Flash media (CF)
- RCA line I/O
- "Copy Segment" cut-and-paste editing to a new sound file
- 99 "Virtual Tracks" for EDL-style editing
- Front Panel USB port for easy file transfer
- RS-232 port for automation and machine control



Accessories

MARP Wired Remote Control for PMD560/570/580

The MARP-WRC provides two button record control and visual status indication of a connected Marantz® PMD player.

The mouse sized unit, once connected to the player using its integral 5 metre lead, can be placed in a convenient location on a board/ meeting room table to allow the recording of conferences and discussions.

Visual indication of player status is provided by high brightness red and green indicators located around the RECORD button, which show STOP, PLAY, PLAY PAUSE, PLAY F.FWD, PLAY F.REV, CARD ERROR, RECORD and RECORD PAUSE. The two button control allows the player to be placed into record mode, create a new record mark and stop the recording process.



Features

- Simple unobtrusive controller for the recording of audio in board/meeting rooms
- Easy connection to Marantz® PMD560/570/580 player serial (RS232) port
- Provides bright visual indication of STOP, PLAY, PLAY PAUSE, PLAY F.FWD, PLAY F.REV, CARD ERROR, RECORD and RECORD PAUSE
- RECORD and STOP buttons allow simple control without the need to access the player
- Ergonomic visually pleasing design with internal weight to prevent table slip
- Ultra low power consumption, no need for additional power adaptor
- Fully sealed label provides protection against drink spills

The simplicity of digital recording

Our guide to the advantages recording to digital solid state media

Record

Digital quality & consistency

Say goodbye to tape recorders. Whatever you choose to record, the easiest way to do it is digitally. Whether it's a meeting, an interview, or a concert, just push the record button and capture everything in superb CD-quality audio. It's that simple.

Regardless of whether you're recording from an external source or using a built-in mic, Marantz solid state recorders all work in the same way - you push the button - it records. Fancy that...

Save

Digital capacity & reliability

No more flipping tapes over. No more songs or conversations cut in half. No more audio degradation or damaged, stuttering CDs.

Using CompactFlash or SD cards, just like the ones in your digital camera, you can capture over 3 hours of CD-quality audio - or up to 12 days of mp3 audio! You'll never miss a thing again.

Once stored on CompactFlash or SD card your recordings are secure - there are no moving parts to go wrong and they're less vulnerable to dust, vibrations and humidity - all those nasty things that can cause problems for other media.

Share

Digital flexibility & simplicity

With digital, the days of copying from tape-to-tape are over. Once you've finished recording, getting the audio on to your PC or Mac is 'Drag & Drop' simple via USB connection - or by inserting your CompactFlash or SD card into a standard card reader. Because it's digital you can transfer the data in seconds - and there's no quality loss so you'll get a perfect copy every time.

Once stored on your computer, the possibilities are endless - and fast. Edit, convert, share via email, publish to a website, burn to CD... it's the quickest, easiest way to prepare, copy and distribute audio.

