

## Professional CD Player **PMD331**



Designed for the most demanding of professional applications, the PMD331 CD player by Marantz Professional is an exceptional value. In fact, no other CD player can match its sound quality, range of features, and ease-of-use for the price.

With unparalleled flexibility in performance and operation, the PMD331 is one of the first CD players on the market capable of playing CDRW format rewritable discs. A rich configuration of balanced analog and digital connectors, optical digital output, coaxial digital output, provide multiple ways to connect the unit with other audio equipment. Many functions can be preset according to individual needs, including autocue to an adjustable threshold of sound, fade-in/out time, default time display, tray lock, start delay, and current play mode. Tracks can be directly selected using the 10-key pad, and frame-accurate cue points and pitch are controlled using the contoured jog wheel.

The PMD331 provides extraordinary Marantz Professional sound quality, reliable performance, and a professional-grade look and feel.

### Key Features

- Plays CD-RW Discs
- High-Performance CD Drive
- CD-Text Display
- Frame-Accurate Search
- Index Search
- Multi-Function Cue Button
- 21 Presets for Tailored Performance
- Programmable Auto Cue
- 10-Second Anti-Shock Buffer
- Pitch Bend ( $\pm 8\%$ )
- Instant Start (<20 ms)
- Rackmountable up to a 45° angle

### Front Panel Features

- Pitch Control ( $\pm 12\%$ )
- 10-Key Pad
- End of Track Monitor
- A-B Repeat
- Fast-Forward/Rewind Search
- Backlit LCD Display
- Play Mode Menu
- Jog Wheel for Search and Pitch Control

### Input/Output Features

- XLR and RCA Analog Output
- Coaxial and Optical Digital Output
- XLR Digital Output (SPDIF)
- RC5 Remote Input/Output
- Record Sync Output
- Fader Start Input
- GPI Port

# PMD331

## Applications

### Broadcast Studios

The PMD331 delivers exceptional sound quality and playback control. Use the jog wheel for fast pitch changes or to search a track frame by frame when setting a cue point. The 10-key pad provides direct track selection, and index buttons enable track sub-index searching. The high-contrast LCD clearly displays useful information at a glance, such as time remaining (shown graphically and numerically), end of track monitor, pitch change, scrolling CD text display, and current play mode. Users can also customize 21 presets, including end-of-track monitoring and the auto-cue threshold. An audio RAM buffer provides instant start, enhanced tracking, and a 10-second anti-shock buffer. For maximum installation flexibility, the PMD331 offers multiple back panel interfaces, including XLR analog and digital output, optical digital output, and a GPI port with fader start.

### Recording/Duplication Studios and Mastering Facilities

The PMD331's CD-RW compatibility and XLR digital and optical digital outputs give it added versatility as a CD source. Sound effects discs and custom mix downs can be accessed by index searching and cued up. Other features include frame-accurate controls for precisely cueing up a track or loop, index searching, multiple programmable settings for tailoring performance to individual needs, and instant start.

### DJ

Professional DJs will appreciate features that ensure a smooth and impressive performance: fader start input, instant start, a heavy-duty jog wheel for faster pitch control and frame-accurate searching, programmable auto cue, direct track access, an anti-skip buffer, XLR connections, angled mounting, and remote control capability.

### Performing Arts

The same features appreciated by studios and broadcasters make the PMD331 ideal for installing in theaters, dance studios, and other performing arts venues. Every detail of this unit has been designed for pros, from its high-performance CD drive and simple cue handling controls to the back-lit, rocker-style play/pause and cue buttons on the front panel.

### Corporate Installations

With the addition of a Marantz, AMX, or Crestron wireless or wired remote control, the PMD-331 can be installed out of sight for use in a conference room or from a podium.

### Commercial Establishments

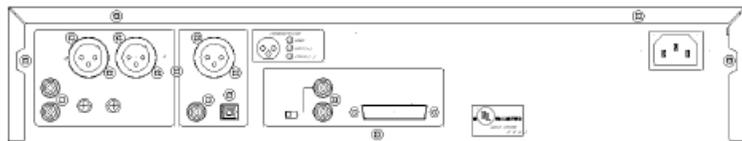
The PMD331 is built to handle continuous playback on a daily basis. A key lock feature can prevent inadvertent accessing of the controls while a CD is playing.

### AV Rental

The PM331 provides outstanding quality, value, and versatility. Its user-friendly operation and versatile I/Os make it ideal for any professional rental scenario.

### Houses of Worship

The 10-digit keypad ensures quick and direct access of up to 99 tracks. Using the jog wheel, a soundtrack's pitch can be quickly adjusted up to  $\pm 12$  percent to accommodate the vocal ranges of a singer or choir.



## Specifications

### Overall

Quantization	16-bit linear/channel, 44.1 kHz
Compatible Discs	CD-DA, CD-R/CD-RW (finalized)
Frequency Response	20 Hz-20 kHz
Signal to Noise	>100 dB
Error Correction	CIRC
Dynamic Range	>90 dB
THD	0.005% (1 kHz)

### Front Panel Control

Search Precision	1 frame (13.3 ms)
Pitch Control	$\pm 12\%$ in 0.1% steps
Pause to Start Delay	<300 ms

### Input/Output

XLR Analog Output Level	-11~+21 dBu/150 Ohm
XLR Digital Output Level	3.5 Vpp/110 Ohm
Digital Output Format	SPIDIF (IEC-958-II)
RC5 Input	IR receiver, RCA input (switchable)
GPI Port	25-pin D-sub

### Power Supply

Power Requirements	120 VAC
Power Consumption	17 W

### Dimensions/Weight

Panel Height (2 Units)	3.5" (89 mm)
Panel Width	19.0" (480 mm)
Depth	12.8" (325 mm)
Weight	10.8 lbs (4.9 kg)

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



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min | max  
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