

Independent Dual Well Cassette Deck

PMD510



The Marantz Professional PMD510 is one of the most comprehensive and flexible dual well cassette decks specifically created for professional applications. Each of the two wells is a completely independent cassette deck (allowing simultaneous playback on well A while recording on well B or vice versa) with its own distinct set of stereo inputs and outputs, pitch control, stereo bargraph meters, a linear time counter, Dolby B/C selector, and large transport buttons.

In addition to independent operation, the two wells can work together to record from one input. An extension remote port allows the connection of several PMD510s for long-term continuous recording and playback. All autoreverse, wellswitching, and cascade operations are optically sensing for minimal audio loss in continuous record and play modes.

The PMD510 also features a headphone output that is switchable between well A, well B, or both well A and well B. The remote port is compatible with Marantz (RC-5), AMX, and Crestron control systems. The one-piece 3U rackmount chassis provides extreme stability and a professional appearance.

Key Features

- Fully Independent Wells
- Cascade Recording and Playback
- Separate Pitch Controls ($\pm 15\%$)
- Optically Sensing Quick Autoreverse
- Separate Digital Linear Time-Based Counters (C60 based)
- Memory Pointer
- Dual Stereo LED Peak Meters
- Quick Music Search (QMS)
- Normal and High-Speed Dubbing
- Headphone Output with Level Control
- Switchable Source for Headphone
- Marantz RC-5 Remote Port (AMX and Crestron Compatible)
- Synchronized Start Input

- Dolby B/C Noise Reduction
- HX Pro Headroom Extension
- MPX FM Filter
- Automatic Tape Type Selector
- Separate Record Level Controls
- Recessed Record Balance Controls
- Large Transport Control Buttons with LED Inset
- Optional Balanced XLR Kit (XLR510PMD)
- Optional Wired (WRC200mkII) and IR (RC5PMD) Remote Controls
- One-Piece 3U Rackmount Chassis

Applications

Houses of Worship

Sound tracks can be played on one well, mixed with live vocals and instruments, and recorded on the other well. In addition, one well can record an entire service while the other well records just the sermon. Regardless of the situation, the PMD510 saves space and money by eliminating the need to buy two separate cassette decks.

Recording Studios and Mastering Facilities

The PMD510's professional appearance and sound quality enhance any studio environment. Having two independent cassette decks in one 3U rackmount chassis saves rack space and provides the convenience of having only one source for all analog cassette recording needs.

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Dance and Aerobics Studios

Each well has a playback pitch/speed control to allow the music to be slowed down or sped up. The linear time-based counter on each well gives an accurate reading of the elapsed time so that workout lengths can be monitored.

Audio Logging

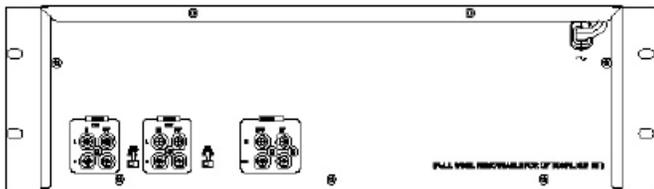
The cascading feature of the PMD510 allows it to work alone or be connected to multiple units for continuous recording. When each well is finished recording it triggers the next well, be it the next well in that deck or the first well in another unit. All transfers are optically sensing for minimal audio loss.

Corporate Installations

The PMD510's compatibility with Marantz (RC-5), AMX, and Crestron control systems allows easy integration into almost any system. It also allows two different sources to be controlled independently so space is saved and greater control is gained.

DJs

While one well is playing at a certain pitch, the other well can be heard through the headphone output, cued up at a different pitch, and mixed with the first. This is possible because each well offers separate pitch control, inputs and outputs, and transport controls—and the headphone select allows monitoring of either well or a combination of the signal coming out of both wells.



Specifications

Overall

| | |
|--------------------------------|---------------------------|
| Number of Heads per Deck | 2 |
| Head Type | Hard metal alloy (rotary) |
| Numbers of Motors per Deck | 2 |
| Motor Type | DC servo |
| Wow and Flutter (JIS Weighted) | less than 0.07% |
| Output Level | 500 mV / 1 k ohm |
| Input Level | 100 mV / 47 k ohm |
| Power Requirements | 120 VAC, 60 Hz Power |
| Consumption | 30 W |

Frequency Response

| | |
|----------------------|-------------------------|
| Metal (Type IV) Tape | 20-18 kHz (± 3 dB) |
| CrO2 (Type II) Tape | 20-17 kHz (± 3 dB) |
| Normal (Type I) Tape | 20-16 kHz (± 3 dB) |

Signal-To-Noise Ration ('A' Weighted)

| | |
|--------------------|-------|
| No Noise Reduction | 56 dB |
| Dolby B | 66 dB |
| Dolby C | 72 dB |

Dimensions/Weight

| | |
|-------------------|-----------------|
| Panel Height (3U) | 5.2" (133 mm) |
| Panel Width | 19.0" (480 mm) |
| Depth | 13.2" (334 mm) |
| Weight | 15 lbs. (6.8kg) |

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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