



## PMD510 Independent Dual Well Cassette Deck

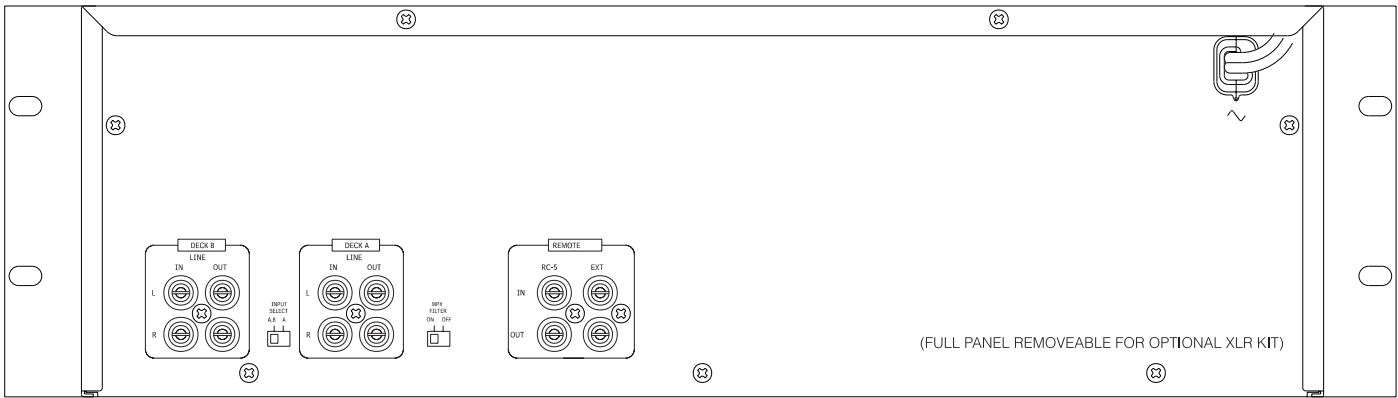
The Marantz Professional PMD510 is one of the most comprehensive and flexible dual well cassette decks specifically created for professional applications. Each of the two wells is a completely independent cassette deck (simultaneous playback on well A while recording on well B or vice versa), with their own distinct set of stereo inputs and outputs, pitch control, stereo bargraph meters, 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, well-switching, 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+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.

### 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 not having to buy two separate cassette decks.

**Recording Studios and Mastering Facilities:** The professional appearance and sound quality enhance any studio environment. The fact that the PMD510 is two independent cassette decks in one 3U rackmount chassis means that rack space is saved and convenience is gained by having only one source for all analog cassette recording needs.

**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 the workout times 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. After 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 loss of audio.

**Corporate Installations:** The PMD510 is compatible with Marantz (RC-5), AMX, and Crestron control systems, to allow 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 and be cued up at a different pitch and then 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.

**TECHNICAL 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.....	500mV / 1k ohm
Input Level.....	100mV / 47k ohm
Power Requirements.....	120VAC, 60Hz
Consumption.....	30W

**FREQUENCY RESPONSE**

Metal (Type IV) Tape.....	20-18kHz (±3dB)
CrO <sub>2</sub> (Type II) Tape.....	20-17kHz (±3dB)
Normal (Type I) Tape.....	20-16kHz (±3dB)

**SIGNAL TO NOISE RATIO ('A' WEIGHTED)**

No Noise Reduction.....	56dB
Dolby B.....	66dB
Dolby C.....	72dB

**DIMENSIONS/WEIGHT**

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

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

