

## World's First Professional Double MD Recorder/Player DN-M2300R



### Play Functions (Decks 1 and 2)

- **Hot Start (available on each drive)**
  - A total of 10 Hot Start buttons are offered (5 per drive).
  - Tracks can be loaded into Hot Start one at a time or five sequential tracks at a time.
  - Sound can be loaded into Hot Start from any point within the track.
  - Loaded tracks can be replaced with new tracks.
  - A Hot Start can also be used as a sampler, stuttering any cue point within a track.
- **Shock-Proof Memory**  
Featuring large capacity RAM memory, the shock proof function prevents momentary playback dropouts caused by bumps or excessive vibration.
- **A-B Seamless Loop**  
You can set a loop's Start point A and End point B seamlessly "on the fly" without interrupting playback. The B point can be updated to make the loop longer or shorter. Length of the loop is unlimited.
- **Single/All Repeat**
  - 1) 'Single' playback mode: Repeat a selected track.
  - 2) 'Continuous' playback mode: Repeat a whole disc.
  - 3) 'Program Repeat' mode: Repeat a program sequence.
- **Pitch Control Slider (each drive):  $\pm 8.0\%$ ,  $0.1\%$  steps**
- **Pitch Bend:  $\pm 9.9\%$**   
Temporarily bends the pitch to match the beats. This feature simulates "holding" or "pushing" a vinyl record.
- **Instant Start**  
Audio starts instantly (within 0.01 sec) no delay, no lag time.
- **Eject Lock**  
This feature is always active and will prevent removing the wrong disc while either drive is in "Play Mode".
- **Search Accuracy (86 frames per sec.)**  
Great for precise playback cueing and especially useful during editing.
- **Auto Cue**  
After a track is selected, it is automatically cued to the point where audio starts, rather than where the track starts. The level at which sound is first detected is user selectable between -36 to -60 dB (5 settings).

### • Power-on Playback

Simply turning on the unit plays back audio in one of two ways:

- 1) the entire disc from the first track
- 2) the program sequence from the beginning

### • Next Track Reserve

Turning the track selector knob in either direction during playback reserves the next track to be played and provides a seamless transfer. You can now select the next track to be played by name. No play list required!

### • End Of Message (EOM)

At the end of a track, the FL display flashes, providing a visual warning to the operator that the track will end shortly. The point at which the EOM warning begins is selectable within a range of 0 to 60 seconds (8 settings).

### • Program Play

This function can program tracks to be played back in advance, including their playing order, one time or every time. By using internal memory, a total of six MDs (3 per drive), (25 tracks per disc) can be stored. Once stored, the DN-M2300R will automatically recognize the disc and activate program play.

### • Play Mode & Finish Mode

- 1) Play mode
  - Continuous: Plays a whole disc
  - Single: Plays a track
- 2) Finish mode (Stop, Next, Recue)
  - Stop: Stops after playing a track
  - Next: Standby at the beginning of the next track after finishing a track
  - Recue: After finishing a track, standby at the beginning of the same track

### • Rotary Track Select Knob (easy track selection)

By turning the knob in either direction, tracks can easily be found, searching through them one at a time, or by tens when pushing down the knob while turning.

### Recording Functions (Deck 2 only)

#### • Auto Track Increment

The DN-M2300R detects the silent portion of the program material and automatically increases the track number. The level of the silent portion can be set within a range of -36 to -60 dB (5 settings).

In the case of digital recording, the subcode (of DAT or CD) is detected to increase the track number automatically.

**• Auto Level Rec Start**

This function will enable the machine to automatically start recording when an audio signal being received exceeds a (user adjustable) preset dB level. Just press play from your external audio source and the machine will automatically begin recording.

**• 1 to 2 Synchro-Rec**

- You can easily copy a MD from drive 1 to drive 2. (*real time*)
- Disc Name and Track Names are automatically copied.

**• CUE Point Writing and CUE Search**

- Up to 5 cue points per track
- CUE points can only be written to the MD via drive 2 but can be recalled from either drive using CUE Search.
- CUE points can also be used to set A-B Seamless looping.
- Create up to 3 loops per track and recall them using CUE Search.
- Cue points can also be edited (erased, rewritten or added later)

**Editing Functions**

**• Basic Editing**

- DIVIDE: Smallest edited unit is 11.6 msec (or down to 1 frame)
- ERASE TRACK/ERASE DISC: Erase one track at a time or the whole disc.
- COMBINE: Combines two tracks together to make "one".
- MOVE: Changes a current track number to another.
- TRACK NAME: Track names can be entered using front panel controls.
- DISC NAME: Disc names can be entered using front panel controls.

**• Undo/Redo Function**

Up to 2 editing operations prior to the most recent one can be undone then redone, if necessary.

**• Function Presets**

Since every DJ may have different needs, the DN-M2300R provides "Functional Presets" that can be changed according to your requirements. These presets are stored in non-volatile memory and can be updated at any time. (11 presets for drive 1 and 17 presets for drive 2.)

**• Other Features**

- Digital Outputs (2 coaxial, 1 per each drive)
- Manual eject/loading mechanism for reliability and for quick removal/insertion
- Headphone jack with volume control to monitor recording and playback of drive 2
- Large FL Display
- Mono Playback/Recording capability
- Jog/Shuttle Wheel

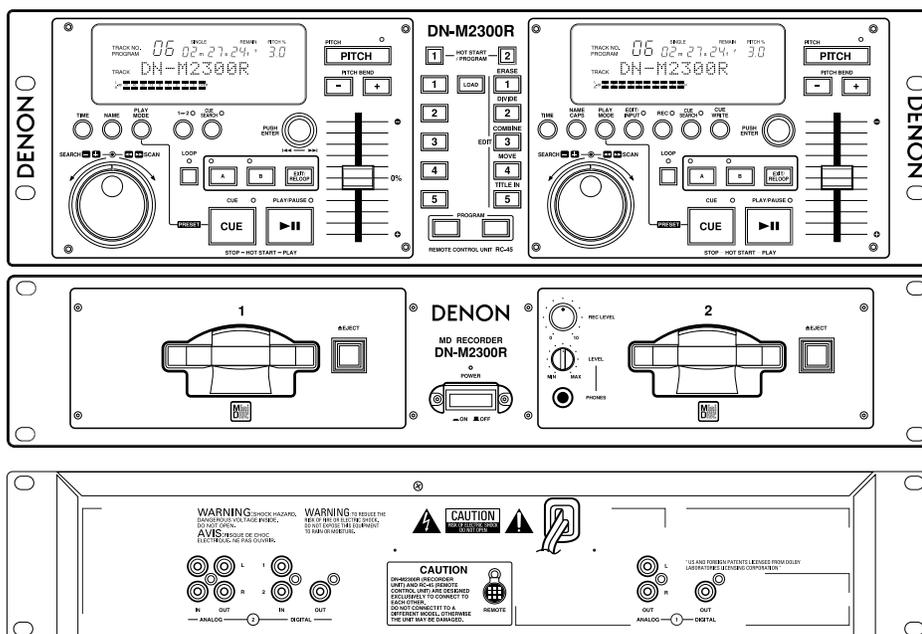
**SPECIFICATIONS**

Type	MiniDisc Recorder/Player
Audio Channels	2 Channels (Stereo), 1 channel (Mono)
Playback System	Optical pick-up system (Semiconductor laser, non-contact)
Recording System	Magneto-optical overwriting system (Magnetic field modulation)
Signal Compression System	ATRAC (Adaptive Transform Acoustic Coding)
Rotating-disc Speed	Approx. 400-900 rpm
Recording/Playback Time	74 min. (Stereo), 148 min. (Mono)
Quantization	A/D Converter: 16-bit, D/A Converter: 18-bit
Sampling Frequency	44.1 kHz
Frequency Response	20 Hz-20 kHz (±1.0 dB)
Signal-to-Noise Ratio	92 dB or better (Playback, A filter) 84 dB or better (Recording, A filter)
Total Harmonic Distortion	0.015% or less (Playback) 0.02% or less (Recording)
Channel Separation	82 dB or better (Playback, A filter) 78 dB or better (Recording, A filter)
Oversampling	8-times (D/A)
Analog Outputs	Unbalanced, RCA Jacks
Output Level	1.7 V at 0 dB
Load Impedance	10 kohms or more
Analog Input (drive 2)	Unbalanced, RCA Jack
Input Level	1.7 V at 0 dB Disc
Load Impedance	47 kohms or more
Digital Inputs (drive 2)	2 coaxial (RCA Jacks)
Signal Format	IEC-958 Type II/SPDIF
Input Level	0.3-1.0 Vp-p
Load Impedance	75 ohms or more
Digital Outputs	2 coaxial (RCA Jacks)
Signal Format	IEC-958 Type II/SPDIF
Headphone Output	Stereo
Output Level	20 mW or more
Load Impedance	30 to 40 ohms

**General**

Power Source	120 V, 60 Hz
Power Consumption	30 W
Dimensions	Player unit 482 (W) x 88 (H) x 252 (D) mm 19.0" (W) x 3.5" (H) x 9.9" (D) Control unit 482 (W) x 132 (H) x 40 (D) mm 19.0" (W) x 5.2" (H) x 1.6" (D)
Weight	Player unit 6.3 kg (14 lbs) Control unit 2.3 kg (5.1 lbs)

Design and specifications are subject to change for improvement without notice.



**DENON**

DENON ELECTRONICS  
DIVISION OF DENON CORPORATION (USA)  
222 NEW ROAD, PARSIPPANY, NEW JERSEY 07054-4200, U.S.A.  
TEL: (973)396-0810 www.del.denon.com

DENON CANADA, INC.  
17 DENISON STREET, MARKHAM, ONTARIO, CANADA L3R 1B5  
TEL: (905)475-4085

NIPPON COLUMBIA CO., LTD.  
14-14, AKASAKA 4-CHOME, MINATO-KU, TOKYO 107-8011, JAPAN www.denon.co.jp

44630998 A Printed in the U.S.A.