

# DENON

# DN-045R

Professional MD Replicator



The creation of complete copies of MDs is becoming an increasingly important part of editing work at broadcast stations and post production studios. Because of these ever growing needs, DENON has created the DN-045R Professional MD Replicator.

- Performs digital-to-digital dubs, bypassing the ATRAC compression circuit and preserving the high quality sound of the original.
- Dubbing occurs at a maximum speed of 3.5 times faster than real-time. (average)
- MiniDiscs can be defragmented in the same way as computer floppy discs and hard drives.
- Windows® software is provided to allow editing during replication through the DN-045R's RS-422A / 232C serial interface board.
- Long Life & High Reliability

The DN-045R incorporates the same type of professional-use drive mechanism as the DENON Professional MD Cart Recorder / Player units (DN-995R / 990R / 981F / 980F).

#### Main Features

##### • High Quality Digital-to-Digital Dubbing

Easy high-quality duplication is possible, because the ATRAC compression/expansion process, which causes sound quality to deteriorate during dubbing, is bypassed and the compressed data is recorded as is onto the slave disc.

##### • High-Speed Dubbing

Master-to-slave dubbing is conducted at approximately 3.5 times normal speed (when dubbing an unedited master disc under optimum conditions). A MiniDisc with 74 minutes of program can be duplicated in 21 minutes.

##### • Compact Size

The DN-045R saves space since the master (for playback) and slave (for recording) MD mechanisms are both housed in the 2U, 19 inch rack-mount chassis.

##### • Automatic Defragmenting

Repeated editing on a MiniDisc causes data for each track to be dispersed at different locations on the disc. When such a Master disc is dubbed, the dispersed data is automatically joined and recorded onto the Slave disc as a single, uninterrupted string of data starting from the inside of the disc.

#### • Recording Status Display

Remaining dubbing time displayed via LED (in 20-, 15-, 10-, 5- and 0-minute steps).

#### • Overwrite Warning

If a Slave disc containing recorded material is loaded, the Erase button begins to flash. To erase the disc and start dubbing anew from the beginning of the disc, the Erase button must be pressed first.

#### • Serial Remote Connector

The DN-045R's serial remote control (RS-232C/RS-422A) lets the operator designate which tracks on the Master are to be recorded onto the Slave.

\* Switching between RS-232C and RS-422A is conducted via a push button on the rear panel.

\*\* Windows version of the control software is provided as a standard accessory.

### SPECIFICATIONS

Type	MD Replicator
Playable discs	Recordable MDs (Master drive only)
Playback System	Optical pick-up system (Semiconductor laser, non-contact) (Master drive only)
Rotating Speed	Approx. 400 to 900 rpm
Remote connector	Serial remote, D-sub 9 pin connector (RS-232C / 422A switchable)
Power Supply	AC 120V $\pm$ 10%, 60Hz AC 230V $\pm$ 10%, 50Hz
Dimensions	482 (W) x 88 (H) x 252(D)mm (excluding feet) 19.0 (W) x 3.5 (H) x 9.9 (D) inch

\* Windows is a trademark of Microsoft Corporation.

\* Design and Specifications are subject to change for improvement without notice.



DENON ELECTRONICS  
DIVISION OF DENON CORPORATION (U.S.A.)  
222 NEW ROAD, PARSIPPANY, NEW JERSEY 07054, U.S.A.  
TEL : 201-575-7810

DENON CANADA, INC.  
17 DENISON STREET, MARKHAM ONTARIO, CANADA L3R 1B5  
TEL : 905-475-4065

**NIPPON COLUMBIA CO., LTD.**  
14-14, AKASAKA, MINATOKU, TOKYO, 107-11, JAPAN

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