

Twin Output Auto-Reverse Cassette Deck Recorder
with Independent A and B Audio Outputs

DN-780R



The DN-780R delivers all the benefits of a high-end, professional cassette deck along with the unique advantage of RS232 control. RS232 enables cascade or continuous recording, allowing users to make uninterrupted recordings utilizing both sides of the tape on the A and B wells. External synchronization capabilities extend this feature even further, enabling contiguous recording on other DN-780R units without manual intervention. Users will also enjoy the versatility provided by the DN-780R's microphone inputs as well as its simultaneous, independent playback and recording capabilities.



Features RS-232

Key Features

In/Out Terminals

Variety of Wired Remote Control Terminals

- External Synchronized In/Out (RCA): You can synchronize with other DN-780R's
- Serial D-Sub 9 pin (RS-232C)
- Parallel D-Sub 25 pin
- Mini TRS: Six basic functions can be controlled: PLAY, FF, REW, STOP, PAUSE, and REC/REC MUTE

T/S Microphone Jacks on Front Panel (2)

Cascade Connection In/Out (RCA)

Optional XLR Input/Output Board ¹

- Mono Output Switch (Output Level, L: +4dBm R: –10dBv)

Headphone Output (Selectable for Deck A, B or Mix)

IR Remote Sensor

Playback/Recording Functions

Twin Output

- Simultaneous playback of two different cassettes at the same time
- Playback on deck A while recording on deck B or vice-versa
- Relay Play will play back both sides of the tape in deck A, then both sides of deck B

Variety of Recording Modes

- Deck A/B Independent Recordings
- Recording simultaneously on both decks (Twin Rec)
- Relay Record records on both sides of deck A, then both sides of deck B
- Cascade Recording
- Multiple Synchronized Recordings

Microphone Mixing Recording

- Mic Rec mode Select switch: OFF/LINE (you can monitor microphone sound without recording) /REC (recording mic sound)
- Manual/Auto Gain Control

Normal/Double Speed Dubbing

Cascade Playback

Memory Rewind (Return-to-Zero)

Music Search

Power On Playback

Dolby B and C Noise Reduction System

Dolby HX-Pro Headroom Extension System

Independent FL Peak Hold Level Meter

Independent Tape Counter

MPX Filter

DN-780R

Mechanical Features

Quick Auto Reverse

Independent Tape Speed Control of $\pm 12\%$

Non-Slip Reel Drive

Auto Tape Selector (Normal, CrO₂, Metal)

General Features

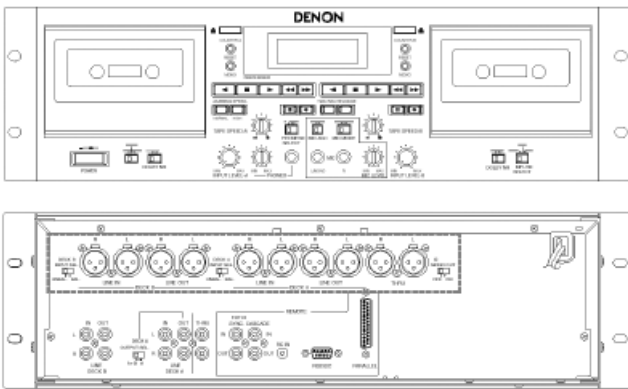
Standard 19-inch, 3RU Aluminum Front Panel

Options

RC-U620: Hand-Held IR remote

RC-41: Wristwatch IR remote

RC-770TW: Wired remote



Specifications

Type	4-track, 2-channel stereo auto reverse dual cassette deck
Tape Selector	Auto tape selector (I - Normal, II - CrO ₂ , IV - Metal)
Heads	Hard Permalloy x 2 (revolving head) Dual-gap ferrite x 2
Record and Playback	
Erase	
Motors	DC servo motor x 2 DC motor x 2
Capstan	
Reels	
Wow and Flutter	0.060% wrms, $\pm 0.14\%$ wpeak
Fast Forward Time	Approx. 110 sec (C60)
Speed Adjustment	$\pm 12\%$ with center click (Equipped independently for both drives)
Audio Section	
Frequency Response	20 Hz - 18 kHz, ± 3 dB (at -20 dB, metal tape)
Signal to Noise Ratio	74 dB (Dolby C on, 3 % THD by CCIR/ARM)
Line Input	50 mV, 240 kohms, unbalanced
Mic Input	0.775 mV, unbalanced with T/S
Line Output	775 mV, 47 kohms load, unbalanced
Headphones	1/4 inch stereo jack, 7 mW (33 ohms load, selectable for deck A or B)
Noise Reduction	Dolby NR B/C/OFF
Headroom Extension	Dolby HX Pro
Power Supply	AC 120V $\pm 10\%$, 60 Hz (USA, Canada)
Power Consumption	33 W
Dimensions	483 (W) x 134 (H) x 275 (D) mm 19.0 (W) x 5.3 (H) x 10.5 (D) inch
Weight	6.5 kg, 14.3 lbs

Specifications are subject to change without notice.

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