

CD/Cassette Combination Deck

DN-T645 / DN-T625



DN-T645



DN-T625

The high-quality DN-T625 CD/cassette combination deck offers users an exceptional degree of control and affordability, making it one of today's most popular combination decks. IR and serial connectivity, balanced input/output terminals, cascade recording and playback, and many other valuable features have made this deck the industry standard for applications requiring professional-level audio in a combination unit, including houses of worship, classrooms, board rooms, and more. The DN-T645 provides all the functionality of the DN-T625 along with microphone inputs, RS422 control, and MP3 playback capabilities.



Features RS-232

Key Features

CD Player

- CD-R/RW Playback Compatibility
- $\pm 12\%$ Pitch Control
- CD Text
- Repeat Mode (Single Track/All Tracks/A-B/Random Repeat)
- Direct Track Select Buttons or Rotary Track Select Knob
- 10-Key Pad (11 Keys Including 0/Clear) for Direct Track Selection or to Enter Up to 99 Tracks for Programmed Playback
- Program Play: Maximum 99 tracks

Input/Output Terminals

- Serial D-Sub 9 Pin, RS-232C/RS-422A (DN-T645), RS-232C (DN-T625) ^{*1}
- 1/4" TRS Mic Input Jacks x (2) on Front Panel (DN-T645 Only)
- Parallel Remote (25P D-Sub) (DN-T645 Only)
- Fader Start (by Parallel) (DN-T645 Only)
- Wired Remote Control Terminal
 - Stereo Mini Jack
 - Synchro Recording to the DN-780R via RCA In/Out (Phillips RC5 Compatible)

Cassette Deck

- Dolby B/C Noise Reduction
- Dolby HX-Pro Headroom Extension System (DN-T645 Only)
- Playback Speed Control $\pm 12\%$
- Memory Rewind (Return-to-Zero)
- MP3 Playback (DN-T645 Only)
 - Folder/File Search
- Random Mode
- Shock-Proof Memory (Approximately 10 Seconds)
- Frame Search (75 Frames per Second) and Back Cue Functions
- Music Search
- Playback Mode: Single/Continuous
- Mic Mixing Recording (DN-T645 Only)
 - Mic Rec Mode Select Switch: OFF/LINE (Monitors Microphone Sound without Recording)/REC (Recording Microphone Sound)
 - Manual/Auto Gain Control
- Cascade IN/OUT
- Coaxial Digital Output for CD (SPDIF)
- Balanced (XLR)/Unbalanced (RCA) Switchable Input Connectors
- REC Input Source Switchable Between Internal CD and External Line Input
- Quick Auto Reverse, 2 Motor Mechanism with Optical Sensor
- 1 Button Recording
- CD-Deck Synchronized Recording

^{*1} For control of remote systems like AMX™ and/or Crestron™

DN-T645 / DN-T625

General

- Standard 19-Inch, 3RU Aluminum Front Panel
- IR Remote Sensor
- Relay Playback
- Power-On Play
- Independent FL Tube Displays for Both CD and Cassette Decks
- Various Preset Functions (25 Items)

Options

- RC-U620: Hand-Held IR Remote
- RC-41: Wristwatch IR Remote
- RC-620: Wired Remote

Expanded Connection In/Out (RCA)

Cascade Function (Figure 1)

The ports (CASCADE IN/OUT) of multiple DN-T645/T625 units can be linked by cables to enable continuous playback or recording among the units. Synchronized Recording (Figure 2)

The ports (EXT. SYNC IN/OUT) of the DN-T645/T625 and multiple DN-780R units can be linked by cables to enable simultaneous recording by all DN-780R units. (Up to 20 units can be connected for continuous recording of the source.)

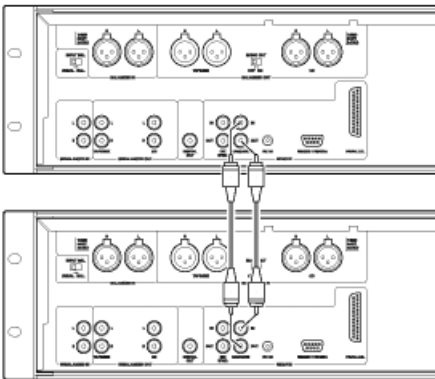


Figure 1

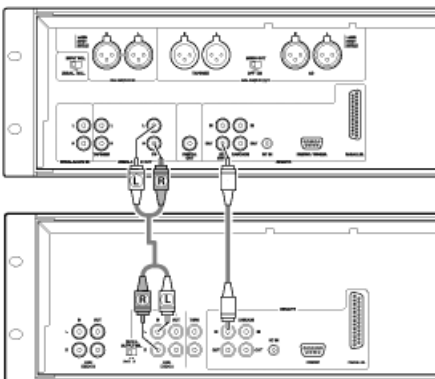
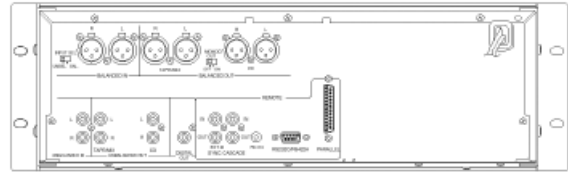
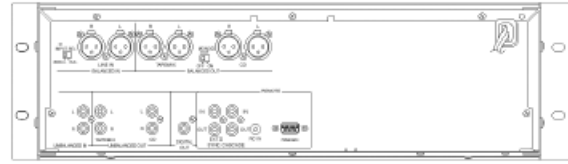


Figure 2



DN-T645



DN-T625

Specifications

CD Section

Audio Channel	2 stereo channel
Digital Filter	8-times oversampling digital filter
Frequency Response	20 Hz - 20 kHz
Total Harmonic Distortion	0.009%
S/N Ratio	98 dB
Channel Separation	70 dB
Sampling Frequency	44.1 kHz (at normal pitch)
Analog Outputs (1 kHz, 0 dB Playback)	
Balanced	+18dBu at 0 dB disc, 600 ohms, 3-Pin XLR (1: GND, 2: HOT, 3: COLD) L: +18 dBu, R: -10 dBu (MONO output) 2.0 Vrms at 0 dB disc, 10 kohms
Unbalanced	
Digital Output	
Transfer and Connector	Coaxial (RCA)
Signal Format	IEC-958 type II (SPDIF)

Cassette Deck Section

Heads	
Record and Playback	Hard permalloy x 1
Erase	Double-gap ferrite x 1
Motor	DC servo motor x 2
Wow and Flutter	0.06% wrms
Fast Forward Time	Approximately 110 seconds (C60 tape)
Speed Adjustment	±12% or better with center click
Single to Noise Ratio	70 dB (Dolby C on, 3% THD by CCIR/ARM)
Line Input Sensitive	
Balanced	90 mV, 120 kohms, 3-pin XLR (1: GND, 2: HOT, 3: COLD) 50 mV, 47 kohms
Unbalanced	
MIC Input Sensitive	0.775 mV (mic level max.), 1/4" TRS type
Line Output	
Balanced	+4 dBu (0 dB), 600 ohms, 3-pin XLR (1: GND, 2: HOT, 3: COLD) L: +4 dBu, R: -10 dBu (MONO output) 775 mV (0 dB), 47 kohms
Unbalanced	
Headphone Output	15 mW, 33 ohms
Power Supply	AC120V, 60 Hz
Power Consumption	25W
Dimensions	482 (W) x 134 (H) x 275 (D) mm 19.0 (W) x 5.3 (H) x 10.8 (D) inch (3 rack units, removable rack ears)
Weight	6.7 kg, 14.8 lbs

Specifications are subject to change without notice.

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