

CD/Cassette Combi-Deck DN-T620



The DN-T620 is a successor to the popular DN-610F, combining CD player and cassette deck units into a single 19-inch, 3U body. Also, to enhance ease of use, the DN-T620 includes some new functions that the DN-610F did not have.

CD Player

- Variable Pitch up to $\pm 12\%$ of playback speed *new*
- A-B Repeat mode *new*
- Single/Continuous Playback mode *new*
- Back Cue function (no instant start) *new*
- Digital Servo circuit, Hologram pickup
- Versatile playback functions: Program, Random, Repeat (Track Repeat, Disc Repeat)
- A 10-key pad is provided for direct track selection or to enter up to 99 tracks for programmed playback.
- New type of Digital Servo.
Servo adjustment has been automated so that the optimum setting is always obtained for the type of CD being played, compensating for any changes occurring in the pickup over the years.
- **Program Play (Max. 25 tracks)**
 - When the PLAY mode is set to Single, the player stands by at the beginning of next track.
 - When the PLAY mode is set to Continuous, the playback is continued according to your programmed sequence.
- **Play mode (Continuous, Single) & Finish mode (Stop, Next, Recue)**

Cassette Deck

- Input source switchable between internal CD and external line input *new*
- Auto-Reverse Full-Logic mechanism
- Dolby B Noise Reduction
- Variable Pitch up to $\pm 12\%$ of playback speed

- Input level for recording is adjustable.
- Memory rewind (Return-to-Zero)

General

- 3U, 19-inch rack-mountable
- Simultaneous playback of both CD and cassette tape
- Mixed output of sound possible from both CD and cassette tape without using a mixer
- Easy recording from CD to cassette
- When combined with a mixer, sound from a CD and a microphone can be mixed and recorded to a cassette deck
- IF Remote Receptable
- Headphone jack and volume control *new*
- Headphone Source Select switch *new*
- Wired Remote Control terminal *new*
- Balanced (XLR) In/Out terminals *new*

Displays

- Track, Minute, Second and Frame are displayed
- Independent displays for both CD & cassette deck using FL tube
- Frame indication for CD Player
- Displays are switched sequentially: CD Elapsed Time → CD Remaining Time → CD Total Time

Line Out

- CD player and cassette deck output is switchable between separate output and mixed output (switch button is on the DN-T620's front panel).

Input/Output Terminals

CD Line Out : Stereo x 1 (RCA), Stereo x 1 (XLR)
 Deck Line Out or MIX OUT (selectable):
 Stereo x 1 (RCA), Stereo x 1 (XLR)
 Deck Line In : Stereo x 1 (RCA), Stereo x 1 (XLR)

Pin No.	U.S.A. & Canada	Europe, Asia & Others
	(Factory default is set as below. Swapping internal jumpers can change #2 to Hot.)	
1	Common	Common
2	Cold	Hot
3	Hot	Cold

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

Specifications

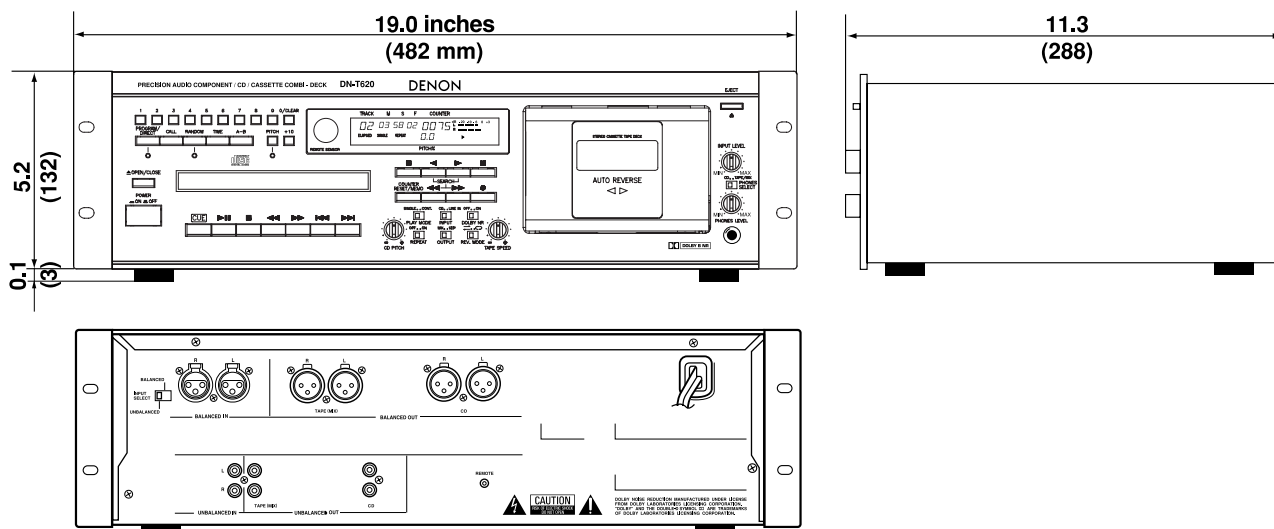
CD Section

Type: Single-mechanism Compact Disc Player
 Audio Channels: 2 channel (Stereo)
 Discs: Standard Compact Disc (12 cm, 8 cm)
 Quantization Bits: 16-bit Linear
 Sampling Frequency: 44.1 kHz
 Frequency Response: 20 Hz-20 kHz
 Signal-to-Noise Ratio: 94 dB or better
 Total Harmonic Distortion: 0.009% or less
 Channel Separation: 70 dB or better
 Oversampling: 16-bit, 8-times
 Line Output: Balanced (active): XLR connector
 Unbalanced: RCA connector
 Output Level: Balanced: +18 dBm, 600 ohms
 Unbalanced: 20 Vrms, 10 kohms
 Load Impedance: 10 kohms or more
 Frame Search Accuracy: 1/75 second
 Speed Adjustment: ±12% with center click

Cassette Deck Section

Type: 4-track, 2-channel stereo cassette deck
 Tape Selector: Auto (I-Normal, II-CrO2, IV-Metal)
 Heads: Record & Playback: Hard Permalloy x 1
 Erase: Double-gap ferrite x 1
 Motors: DC servo motor x 1
 Wow & Flutter: 0.08% Wrms
 Fast Forward Time: Approx. 110 sec. (C60)
 Speed Adjustment: ±12% or better with center click
 Signal-to-Noise Ratio: 60 dB (Dolby B on, 3% THD by CCIR/ARM)
 Line Input: 80 mV (-20 dBm), 50 kohms, unbalanced
 Line Output: 775 mV (0 dBm), 47 kohms, unbalanced
 Headphone Output: 20 mW (30 to 40 ohm)

Power Supply: AC120 V (108-132 V)/230 V (207-255 V), 50/60 Hz
 Power Consumption: 24 W
 Dimensions: 483 (W) x 132 (H) x 252 (D) mm
 19.0 (W) x 8.8 (H) x 9.9 (D) inches (excluding feet)
 Weight: 6.0 kg, 13.2 lbs.



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