



DN-300CR CD Recorder

Key Features:

- CD-R and CD-RW recorder and player with rugged tray transport
- Power-on-play
- Integrated sample rate conversion
- CD-text and ID3 tag displays on the OLED display
- Continuous, shuffle (random), programmable, and single playback & repeat modes
- Fade-in / fade-out recording
- IR remote control included

Overview:

Denon Professional DN-300CR CD Recorder



The DN-300CR is a professional, full-featured CD recorder providing the highest level of audio quality for broadcast, studio and entertainment applications. The Denon Professional DN-300CR combines top-flight audio performance, input/output flexibility, rack-mount utility and robust construction. It records on standard CD-R and CD-RW media, and CD text is programmed and read from the front panel OLED display. Features specified by the installation

Specifications:

- Supported Device Formats and File Systems
 - File system: CD-DA (CD-TEXT), CD-ROM (ISO9660)
 - Disc: CD, CD-R, CD-R-DA, CD-RW, CD-RW-DA
- Supported File Formats
 - MP3 Sample rate: 44.1kHz
 - Bit Depth: 16-bit
 - Bit Rate: 128 kbps or higher
 - Format: MPEG1 Audio Layer 3
 - File Extension: .mp3
- File/Folder Limits
 - Maximum number of directories: 255
 - Maximum number of layers: 8
 - Maximum number of MP3 files: 999
 - Maximum length of file/folder/tag names: 255 characters
- ID3 tag: MP3 V1.x~2.4
- Audio Specifications
 - Audio channels: 2 channels stereo
 - Frequency response:
 - Recording: 10 Hz - 20 kHz (\pm 1.0dB)
 - Playback: 10 Hz - 20 kHz (\pm 0.8 dB)
 - Wow and flutter: Less than 0.001% (below measurable limits)
 - Total Harmonic Distortion (THD): < 0.01% (1kHz, 0dB, A-weighted)
 - Dynamic Range
 - Recording: > 90dB (10 - 20,000 Hz, A-weighted)
 - Playback: > 95dB (10 - 20,000 Hz, A-weighted)
 - Signal to Noise Ratio
 - Recording: > 90dB (1kHz, 0dB, A-weighted)
 - Playback: > 95dB
 - Channel Separation
 - Recording: > 80dB (1kHz, 0dB, A-weighted)
 - Playback: > 90dB (1kHz, 0dB, A-weighted)
 - Distortion
 - Recording: < 0.008%
 - Playback: < 0.006%
- Analog Input
 - RCA stereo (unbalanced)
 - Nominal level: -10dBV (-16dBV at full scale:)
 - Minimum input level: -19dBV (or higher)

market include tray transport, programmable auto-track increment, level-dependent sync recording, and more.

Featuring Denon Professional's extensive experience in professional-level design and manufacturing, the DN-300CR's performance specifications tell a large part of the story: With a frequency response over the ultra-wide bandwidth of 10-20kHz ± 0.8 dB playback and ± 1 dB recording, a signal-to-noise ratio of >95 dB playback and >90 dB recording and channel separation of >90 dB playback and >80 dB recording, the DN-300CR's pure audio performance is beyond reproach—the very highest attainable audio performance that the present-day state of the art allows.

In addition, the DN-300CR has two digital outputs (coaxial RCA and optical Toslink) for hookup compatibility with virtually all associated equipment, plus it supports practically any CD format: CD, CD-R, CD-R-DA, CD-RW, CD-RW-DA (CD-RW 24X supported).

- Input impedance: $22k\Omega$ ($\pm 10\%$)
- Analog Outputs
 - XLR (pair, balanced): +4dBu
 - RCA stereo (unbalanced)
 - Nominal level: -10dBV (± 2 dBV)
 - Maximum output level: 6dBV (± 2 dBV)
 - Output impedance: 600Ω ($\pm 10\%$)
 - Headphone output: Stereo phone jack (1/4") 32Ω load, 20mW or greater
- Digital Input/Output
 - Coaxial RCA (IEC-60958 Type III)
 - Optical Toslink (IEC-60958 Type III)
- Environmental
 - Operating temperature: $40^{\circ} - 95^{\circ} F$ ($5^{\circ} - 35^{\circ} C$)
 - Operating humidity: 25 ~ 85% non-condensing
- General
 - Power requirement: 100-230 VAC, 50/60 Hz
 - Power consumption: 45 W
 - Dimensions: 19"w x 9.8"d x 3.5"h (483mm x 249mm x 89mm) with rack ears
 - Weight: 9 lbs (4.06 kg)