



## 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:

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 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  $\pm 0.8$ dB playback and  $\pm 1$ 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).

### 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 ( $\pm 1.0$ dB)
    - 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:  $> 90$ dB (10 - 20,000 Hz, A-weighted)
    - Playback:  $> 95$ dB (10 - 20,000 Hz, A-weighted)
  - Signal to Noise Ratio
    - Recording:  $> 90$ dB (1kHz, 0dB, A-weighted)
    - Playback:  $> 95$ dB
  - Channel Separation
    - Recording:  $> 80$ dB (1kHz, 0dB, A-weighted)
    - Playback:  $> 90$ dB (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)

- Input impedance:  $22k\Omega$  ( $\pm 10\%$ )
- Analog Outputs
  - XLR (pair, balanced): +4dBu
  - RCA stereo (unbalanced)
    - Nominal level: -10dBV ( $\pm 2$ dBV)
    - Maximum output level: 6dBV ( $\pm 2$ dBV)
    - Output impedance:  $600\Omega$  ( $\pm 10\%$ )
  - Headphone output: Stereo phone jack (1/4")  $32\Omega$  load, 20mW or greater
- Digital Input/Output
  - Coaxial RCA (IEC-60958 Type III)
  - Optical Toslink (IEC-60958 Type III)
- Environmental
  - Operating temperature: 40° - 95° F (5° - 35° 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)