



# DN-700C

## Network CD / Media Player with Digital Audio Output and RS-232c

### Key Features:

- Streams audio over the network (DLNA)
- Supports playback of CD-DA, WAV, AIFF, MP3 & AAC files
- USB device (mass storage class) and iPod playback
- Large, bright OLED display
- Balanced XLR audio output
- AES/EBU digital format output
- Supports external control operation via IP Control (Ethernet), RS-232c, GPIO, and IR
- Extended control via Ethernet using its improved web-GUI 'Web Remote' and/or included DENON Professional Product Manager software (PC/Mac)
- 20 Hot Starts
- Supports the Denon Professional Pitch Control App (available from the App Store™)
- Pitch control playback allows adjustment of the playback speed between -16% to +16% in 0.1% steps
- End Monitor and User-selectable Finish Mode features
- 1RU/1HE Rackmount Size

### Specifications:

- Digital Audio System
  - System: Network CD / Media Player
  - Compatible media: CD Media, USB flash memory, USB HDD, iPod
  - Playable formats, file systems: CD
    - CD-DA (CD Text), CD-ROM (ISO9660)
    - USB: FAT16 / FAT32 / HFS+
  - Playable WAV Format
    - Extension: WAV, AIFF, AIF
    - Resolution: 16 / 24-bit
    - Sampling Frequency: 96, 48, 44.1kHz
  - Playable MP3 Format
    - Extension: MP3
    - Bit rate: 32–320kbps, VBR
    - Sampling Frequency: 48, 44.1kHz
  - Playable AAC Format
    - Extension: M4A
    - Compression method: AAC-LC
    - Bit rate: 64–320kbps, VBR
    - Sampling frequency: 48, 44.1kHz
  - Number of channels: 2 (stereo), 1 (mono)

- Detachable, IEC-weighted AC inlet

## Overview:

The DN-700C is designed to be fully functional as a broadcast/professional installation quality network CD and media player with the option of multiple audio sources.

Housed in a 1RU rack-mountable chassis, the DN-700C Network Media / CD Player's core features are focused on true audio source versatility and immediate access to pro performance and high-quality audio at the touch of a button. Complete with a front USB port for mass storage devices and iPod® playback offers connectivity to the latest sources of music files including .wav, .mp3, .wma, .aiff, .m4a & .aac, as well as a slot-loading CD mechanism for playback of mp3 CDs and CD-DA (.cda).

The DN-700C can be controlled using a variety of remote control interfaces for varying install and broadcast situations. From IR remote control, parallel (GPIO), RS-232c serial control and even control via a network with the built-in Web-GUI. This improved web-based interface allows a user full control of the DN-700C, from setup menus to transport control and even hot start playback— even from mobile browsers. This provides complete access to a player located in remote areas or when the installation is not always easily accessible.

The front panel is designed for convenient use in professional installation and broadcast environments where ease of access to the audio source and transport controls is imperative, and further includes; five front panel hot start buttons that provide direct access to specific audio files, cue to audio, program playback and a bright OLED display with 'end monitor' and 'finish mode' features to signal the end of the audio track.

Denon Professional's Product Manager Software is included with the DN-700C for single point control of multiple players from a PC/Mac over the network. Complete with full access to the Web Remote as well as unique power on/off capabilities that allow power on and power off sequences to be programmed remotely for single units or multiple units in groups.

- Audio frequency characteristics: 20 Hz – 20 kHz (+0.5dB)
- o S/N ratio: More than 105dB (A-Weighted)
- o Total harmonic distortion Less than 0.005%
- o Dynamic range: More than 105dB (for 24-bit WAV playback)
- o Channel separation: Less than -106dB
- o Variable pitch width: -16% - +16%
- o Variable trim adjustment width: +2.0dB
- Output
  - o 0dBu=0.775Vrms, 0dBV=1.0Vrms
  - o Balanced Analog Out L/R
    - Type: XLR (1:GND, 2:HOT, 3:Cold)
    - Load impedance: Over 600Ω
    - Output level: 8.23 dBu (Max. 24 dBu)/ at 600Ω
  - o Unbalanced Analog Out L/R
    - Type: RCA terminal
    - Load impedance: Over 10kΩ
    - Output level: 2 Vrms (Max 10dBV)/ at 10kΩ
  - o Balanced Digital Out
    - Type: XLR (1:GND, 2:HOT, 3:Cold)
    - Output impedance: 110Ω
    - Standard output level: 3.5 Vp-p
    - Format: IEC-60958 (AES/EBU)
  - o Unbalanced Digital Output
    - Type: RCA terminal
    - Output impedance: 75Ω
    - Standard output level: 0.5 Vp-p
    - Format: IEC-60958 (Coaxial)
  - o Headphone output
    - 20 mW / 32Ω
- Environmental Conditions
  - o Operational temperature: 5 to 35°C (41 to 95°F)
  - o Operational humidity: 25 to 85% (no condensation)
  - o Storage temperature: -20 to 60°C (-4 to 140°F)
- General
  - o Power consumption: 30W, 0.4W (standby)
  - o Power supply
    - AC 120V, 60Hz (USA and Canada models)
    - AC 230V, 50/60Hz (European, U.K. and Asia Pacific models)
    - AC 100V, 50/60Hz (Japan model)
  - o Dimensions (width x depth x height, with rack ears)
    - 19.00" x 12.78" x 1.73" (483 mm x 325 mm x 44 mm)
  - o Weight
    - 9 lbs 0.62 oz (4.1 kg)
- Others
  - o Maximum storage capacity: Up to 2 TB
  - o Maximum file size: 4 GB
  - o Maximum number of files: 2000 files (for 1 folder)
  - o Maximum number of folders: 1000 folders
  - o Maximum number of folder hierarchies: 8 (under the root directory)
  - o Maximum number of marks: 30 per file
  - o Maximum file name length: 255 characters
  - o Maximum folder name length: 255 characters
  - o Maximum preset name length: 8 characters
  - o Maximum machine ID name length: 8 characters