



# DN-501C

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

### Key Features:

- Supports CDDA/WAV/MP3/AAC/AIFF audio file formats
- USB mass storage device playback
- Direct digital playback of iPod/iPhone via USB
- OLED high contrast display
- Slot-in CD drive
- 3-phase brush-less motor for spindle
- Full professional outputs incl. balanced XLR analog and XLR AES/EBU
- Dedicated CUE button
- +16% (0.1 % step) pitch control for CD and USB file with/without master key control
- Program play
- Supports copying CD data to USB storage as WAV file (ripping)
- RS-232c serial controllable
- IR controllable with included IR remote control
- 100-230V switching power supply
- Compatible with the Denon Pro RC-F400S Hot Start remote
- Removable rack ears

### Overview:

Introducing the DN-501C, a broadcast-grade CD/USB/Media Player, further bolstering the 500-series – the new face of workhorse, affordable A/V products for professional installation by Denon Professional. Conveniently tooled in a space-saving 1 RU chassis, the DN-501C further emphasizes Denon Pro's commitment to providing professional feature-rich installation products, at affordable prices, to the

### Specifications:

- Digital Audio System
  - System: CD/Media Player
  - Compatible media: CD Media, USB flash memory, USB HDD, iPod/iPhone
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  - Playable formats, file systems
    - CD: CD-DA (CD TEXT), CD-ROM (ISO9660)
    - USB: FAT16/FAT32/HFS+
  - Playable WAV Format
    - Extension: WAV
    - Resolution: 16 bit, 24 bit
    - Sampling frequency: 96, 48, 44.1 kHz
  - Playable AIFF Format
    - Extension: AIFF, AIF
    - Resolution: 16 bit, 24 bit
    - Sampling frequency: 96, 48, 44.1 kHz
  - Playable MP3 Format
    - Extension: MP3
    - Bit rate: 32 – 320 kbps and VBR
    - Sampling frequency: 48, 44.1 kHz
  - Playable AAC Format
    - Extension: M4A
    - Compression method: AAC-LC
    - Bit rate: 64 – 320 kbps and VBR
    - Sampling frequency: 48, 44.1 kHz
  - Number of channels: 2 (stereo), 1 (mono)
  - Audio frequency characteristics: 20 Hz - 20 kHz (±0.5 dB)
  - S/N ratio: More than 105 dB (A-Weighted)
  - Total harmonic distortion: Less than 0.005 %
  - Dynamic range: More than 105 dB (for 24 bit WAV playback)
  - Channel separation: Less than -106 dB
  - Variable pitch width: -16 % – +16 % (0.1% step)
  - Variable Output trim adjustment width: ±2.0dB (0.1dB step)
- Output

contracting industry. With a bright, highly visible OLED display, a slot-in CD Data drive and USB port for media playback, and pitch and master key control, the 501C lends itself to a myriad of applications from FOH sound, to broadcast, to fitness/dance and beyond.

The DN-501C is the ideal choice for installations no matter the environment. With advanced control possibilities, accessing your device and controlling media has never been easier, including full RS-232c serial implementation for large installations and individual control via the included IR remote. And our new switching power supply allows for easy- integration into applications and environments that find themselves outside the realm of 110V AC power.

On the output side of the device, standard unbalanced RCA's and professional digital I/O's complement the balanced XLR analog outputs, complete with trim control so you always have an appropriate level, no matter what your signal amplification needs are.

The front-panel USB jack further expands your media playback capabilities by allowing the connection of USB thumb / HDDs for instant access to many media formats, including WAV, MP3, AAC, and AIFF. Additionally, the USB port is iPod and iPhone ready, allowing for connection and playback of your entire iTunes library in direct digital quality.

Furthermore, when coupled with Denon Professional's free Pitch Key App (available on the AppStoreSM) a fitness or aerobics instructor, or band teacher/music student can take control of playback by adjusting Pitch, Tempo, or both of any audio file in their device.

With extra playback features like a dedicated CUE button, various repeat and random playback modes, program playback, high-quality mechanism, the DN-501C carries the torch for quality Denon Professional audio playback. Compatible with Denon Professional's Pitch Key App for iOS devices

- o 0 dBu=0.775 Vrms
- o 0 dBV=1.0 Vrms
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- o BALANCED ANALOG OUT L/R
  - Type: XLR (1:GND, 2:Hot, 3:Cold)
  - Load impedance: Over 600 Ω/ohms
  - Output level: +6dBV (+8.23dBu)(600Ω/ohms Load)
  - Output level setting: +24dBu, +20dBu, +18dBu,+6dBV (0dBFS Reference)
- o UNBALANCED ANALOG OUT L/R
  - Type: RCA terminal
  - Load: impedance Over 10 kΩ/kohms
  - Output level: +6dBV (10kΩ/kohms Load)
  - Output level setting: +10dBV, +6dBV, +4dBV (0dBFS Reference)
- o BALANCED DIGITAL OUT
  - Type: XLR(1:GND, 2:Hot, 3:Cold)
  - Output impedance: 110 Ω/ohms
  - Format: IEC-60958(AES/EBU)
- o UNBALANCED DIGITAL OUT
  - Type RCA terminal
  - Output impedance: 75 Ω/ohms
  - Standard output level: 0.5 Vp-p
  - Format: IEC-60958(COAXIAL)
- o HEADPHONE OUT
  - 20 mW/32 Ω/ohms
- Others
  - o Maximum storage capacity: Up to 2 TB
  - o Maximum file size: 2 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 file name length: 255 characters
  - o Maximum folder name length: 255 characters
- Environmental Conditions
  - o Operating temperature: 5 – 35 °C
  - o Operating humidity: 25 – 85 %, no condensation
  - o Storage temperature: –20 – 60 °C
- General
  - o Power supply
    - AC 120 V, 60 Hz (U.S.A and Canada models)
    - AC 230 V, 50/60 Hz (European, U.K and Asia/Pacific models)
  - o Power consumption
    - 30 W
    - 0.4 W (standby)
  - 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
    - 8 lbs 13.10 oz (4,0 kg)