



# DN-501C CD/Media Player



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 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 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, GPIO parallel control for museums and broadcast, 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 AppStore<sup>SM</sup>) 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.



Rear panel

[www.d-mpro.com](http://www.d-mpro.com)  
A Division of D&M Holdings, Inc.

Experience 25 years of innovation,  
reliability and audio quality.

## 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
- GPIO controllable via rear-panel 25-pin connector
- 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

Compatible with Denon Professional’s Pitch Key App for iOS devices



Specifications and features subject to change

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PROFESSIONAL

# DN-501C Specifications

Digital Audio System	
System	CD/Media Player
Compatible media	CD Media, USB flash memory ,USB HDD, iPod/iPhone
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)

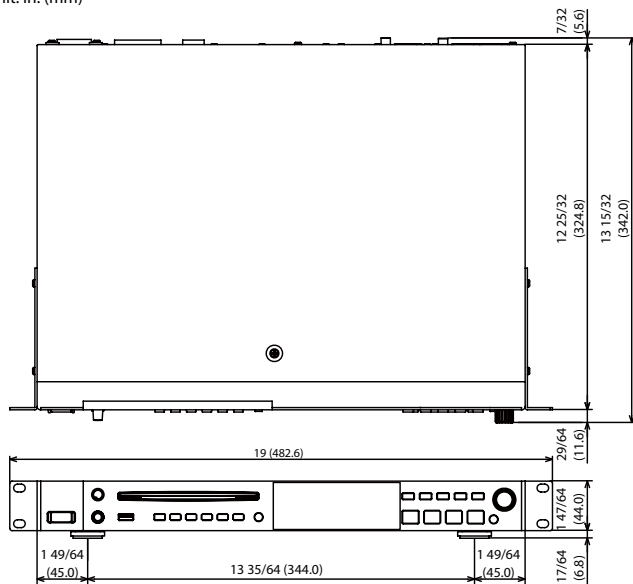
For purposes of improvement, specifications and design are subject to change without notice.

<b>Output</b>	0 dBu=0.775 Vrms 0 dBV=1.0 Vrms
<b>BALANCED ANALOG OUT L/R</b>	
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)
<b>UNBALANCED ANALOG OUT L/R</b>	
Type	RCA terminal
Load impedance	Over 10 kΩ/kohms
Output level	+6dBV (10kΩ/kohms Load)
Output level setting	+10dBV, +6dBV, +4dBV (0dBFS Reference)
<b>BALANCED DIGITAL OUT</b>	
Type	XLR(1:GND, 2:Hot, 3:Cold)
Output impedance	110 Ω/ohms
Format	IEC-60958(AES/EBU)
<b>UNBALANCED DIGITAL OUT</b>	
Type	RCA terminal
Output impedance	75 Ω/ohms
Standard output level	0.5 Vp-p
Format	IEC-60958(COAXIAL)
<b>HEADPHONE OUT</b>	20 mW/32 Ω/ohms

Others	
Maximum storage capacity	Up to 2 TB
Maximum file size	2 GB
Maximum number of files	2000 files (for 1 folder)
Maximum number of folders	1000 folders
Maximum number of folder hierarchies	8 (under the root directory)
Maximum file name length	255 characters
Maximum folder name length	255 characters

General	
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)
Power consumption	30 W 0.4 W (standby)
Environmental conditions	
Operating temperature	5 – 35 °C
Operating humidity	25 – 85 %, no condensation
Storage temperature	-20 – 60 °C

Unit: in. (mm)



Weight: 8 lbs 13.10 oz (4.0 kg)

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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