

DN-300Z

Media Player with Bluetooth™ Receiver and AM/FM Tuner



Expects the unexpected.

Combining the best of disc, wireless, and solid state media playback, the Denon Professional DN-300Z is an all-in-one audio player you can count on when the whole room is listening. Ideal for FOH, education, music and rehearsal studios, houses of worship, restaurants and more, it has an answer to every request - all consolidated into a compact 1RU design. Extending Denon Professional's dedication to powerful solutions that are easy-to-use, the DN-300Z puts the media of both today and tomorrow into a format accessible to any user.

Building on nearly three decades of producing world-class media playback and distribution devices, the DN-300Z is the piece of mind clients and installers demand. In a space-saving single rackmount chassis, DN-300Z provides access to all popular audio playback formats including Bluetooth wireless and AM/FM radio.

Even more, the DN-300Z makes no sacrifices when it comes to usability or reliability. This versatile solution is much more than a collection of format players stuffed into a 1RU box – it was thoughtfully developed for intuitive use in high-pressure scenarios such as corporate presentations, education, houses of worship, and live events.

The front panel's backlit LCD screen provides at-a-glance status of playback modes and content, providing clear readouts to even the most novice user. Designed to adapt to any scenario, switching formats on the fly has never been easier. Media types and their respective controls are grouped together so users will never have to dive through deep menus or use the instruction manual to perform basic functions. Direct access to CD tracks, global transport controls (play/pause/search), and a rotary-push encoder translate to fast, hands-on command when you need to get to your content.

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Rear panel

Features

- Super-fast loading, slot-in CD mechanism
- Supports removable USB thumb and HDDs, SD/SDHC cards
- Wireless audio playback from devices via Bluetooth™
- Plays CD, MP3, WAV, and AAC files
- 3.5mm Aux-in for audio playback of other devices
- AM/FM Tuner w/ dedicated audio out for multi-room use
- Unbalanced combi audio output
- 10-key direct track access
- Random, Repeat One, Repeat All, and continuous play modes
- Folder only and All play modes
- IR controllable with included, compact remote
- 1RU chassis with removable rack ears
- Detachable IEC-weighted AC inlet
- 100-220v switching power supply

DN-300Z Specifications

Front-loading media slots (CD, USB, SD/SDHC) deliver intuitive playback of today's ubiquitous mass-storage mediums. With support for CD-DA, MP3, WAV, and AAC file formats, the DN-300Z is the catch-all-player that excels when the unpredictable occurs.

With rapid adoption of smartphones and tablets, it is no surprise that a significant amount of portable audio content must be accessed through a single-user's personal handheld device. For the ultimate in freedom, Bluetooth equipped audio sources can wirelessly link to the DN-300Z, letting the user manage media playback from their smartphone, computer, or tablet. For situations where Bluetooth is not permitted or accessible, the DN-300Z's 3.5mm (1/8-inch) auxiliary input reduces cable clutter to a single connection from any device's headphone jack. Whether going wired or wireless, operation is clean, simple, and stress-free.

The DN-300Z seamlessly integrates AM/FM radio with inputs for 75-ohm coax (FM) and loop-style (AM) antenna to boost reception when used deep within the walls of a venue or building. Featuring assignable outputs, the AM/FM tuner signal can be routed independently of optical/flash/Bluetooth program material – ideal for multi-room or zoned audio distribution.

Outputs consist of unbalanced RCA outputs that mate with the widest range of amplification devices. An IEC-weighted AC power port means space-saving connection to power sources – no bulky transformers or wall-warts required. When installed into a client's rack, the DN-300Z provides the capability, reliability, and versatility to tackle any playback task – from one-off requests to rehearsed program material – in an intuitive, tidy package.



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Digital Audio System	
System	CD/Media Player with Bluetooth Receiver and Tuner
Compatible media	CD, USB device (mass storage class), SD/SDHC
Playable formats, file systems	CD: CD-DA (CD-TEXT), CD-ROM (ISO9660), CD-R, MP3-CD USB: FAT16 / FAT32 SD/SDHC: FAT16 / FAT32
Supported WAV format	Extension: WAV Bitrate: 16-bit Sampling Frequency: 44.1kHz
Supported MP3 format	Extension: MP3 Bitrate: 32 to 320 kbps and VBR Sampling Frequency: 44.1kHz
Supported AAC format	Extension: M4A Compression method: AAC-LA Bitrate: 32 to 320 kbps and VBR Sampling Frequency: 44.1kHz
Number of channels	2 (stereo), 1 (mono)
Audio frequency characteristics	10Hz – 20kHz (± 1.0 dB)
S/N ratio	More than 95 dB (A-Weighted)
Total harmonic distortion	Less than 0.01%
Dynamic range	More than 85 dB
Channel separation	More than 80 dB

Bluetooth	Version 3.0
Output class	Class 2
Support Codec	SBC, MP3, AAC, aptX
Support Profile	A2DP, AVDTP 1.0, AVCTP 1.3, AVRCP 1.0, SSP

Tuner Section	FM	AM
Receiving range		
– North and South America	87.50 MHz–107.90 MHz	520 kHz – 1710 kHz
– Europe and Asia Pacific Region	87.50 MHz–108.00 MHz	522 kHz – 1611 kHz
– Japan	76.00 MHz– 90.00 MHz	522 kHz – 1629 kHz
Usable sensitivity	30 dBµV / m	60 dBµV / m
Channel separation	20 dB (0 kHz)	
S/N ratio	More than 40 dB	More than 30 dB
THD+N (1 kHz)	Monoaural 3.0% Stereo 3.0%	

Output	
Analog Out L/R	
– Type	RCA terminal
– Load impedance	Over 10 kΩ/kohms
– Output level	2 Vrms / at 10 kΩ/kohms load
Input	
AUX-In	
– Type	TRS terminal (Ø 3.5)
– Input impedance	Over 10kΩ/kohms
– Maximum input level	1 Vrms
– Maximum output level	3 Vrms

Others		General	
Max. storage capacity	Up to 2TB	Power supply	
Max. file size	2 GB	– USA & Canada models	AC 120V, 60Hz
Max. number of files	999 (for 1 folder)	– EU, UK, APAC models	AC 230V, 50/60 Hz
Max. number of folders	999 (including root dir.)	– Japan models	AC 100V, 50/60 Hz
Max. folder hierarchies	8 (including root dir.)	Power consumption	30W
Max. file name length	255 characters	Environmental conditions	
Max. folder name length	255 characters	– Operating temp	5° – 35°C
		– Operating humidity	25 – 85%, no condensation
		Dimensions (mm)	44.5 x 482.6 x 347 (H x W x D)