

## 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.

...continued on next page



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

All information subject to change without notice.

## 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<br>USB: FAT16 / FAT32<br>SD/SDHC: FAT16 / FAT32            |
| Supported WAV format            | Extension: WAV<br>Bitrate: 16-bit<br>Sampling Frequency: 44.1kHz   |
| Supported MP3 format            | Extension: MP3<br>Bitrate: 32 to 320 kbps and VBR<br>Sampling Frequency: 44.1kHz                               |
| Supported AAC format            | Extension: M4A<br>Compression method: AAC-LA<br>Bitrate: 32 to 320 kbps and VBR<br>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%<br>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      |
|                         |                           | <b>Dimensions (mm)</b>   | 44.5 x 482.6 x 347 (H x W x D) |