

## Professional Solid State Audio Player

# DN-F300

Denon Professional has long set the standard for innovative, versatile and dependable audio designs. The new DN-F300 marks the next generation in audio players, further raising the bar with digital solid-state design that features no moving parts, maintenance-free operation, unparalleled reliability and the best performance available at any price.



The DN-F300 offers all the features that have made Denon the leader in broadcast-quality playback products, along with a host of new enhancements that make it the ideal solution for today's most demanding applications. Housed in a compact 1RU rackspace enclosure, the DN-F300 combines durability and ergonomic, feature-rich design in a cost-effective package that's perfect for any system and any budget. Features include a large LCD display, conveniently located front panel microphone and headphone jacks with dedicated level controls, and an included Infrared Remote Control for added functionality.

With the versatility of multiple-format playback, pitch adjust, tempo control and an easy-to-operate control panel, the DN-F300 offers a long list of features normally only found on more expensive models. From Houses of Worship and broadcast facilities to fitness and aerobics, DJ and background music (BGM), the DN-F300 delivers the power and dependability that consultants, systems designers and contractors have come to expect from Denon Professional.

### Key Features

- Compact, single rack-space design conserves valuable rack real estate
- Plays uncompressed CD-quality WAV (44.1 kHz) and MP3 files
- Plays back from both SD/SDHC cards and external USB-connected media (HDD or Flash drives)
- $\pm 20\%$  pitch control
- $\pm 20\%$  Tempo adjust
- Control via front panel or compact, wearable RC-1135 IR remote (included)
- Dual microphone inputs with level control and music ducking for paging functionality
- Front-panel headphone output with level control
- Random, Repeat All and Repeat Directory playback modes
- A-B repeat mode
- Easy-to-read front panel navigation
- Auto Cue and Cue to Music functions with audible, frame-accurate search capability
- Master level control, microphone and headphone level controls push-lock into front panel for added security

### Easy to Use

The large, easy-to-read front-panel LCD display provides instant, at-a-glance status, with an intuitive multifunctional control panel for quick and easy operation even under the most time-sensitive, high-pressure conditions.

The front panel features conveniently located microphone input and headphone output, each with its own dedicated level control, along with auto-ducking for paging applications. Front mounted USB and SD/SDHC slots make connecting a wide range of media a snap. And the jog dial makes quick work of file and directory searching.

### Rugged Durability

The DN-F300's rugged, single-space chassis features a solid state design with no moving parts, offering the highest reliability and maintenance-free operation, even in the most challenging environments. The included RC-1135 Infrared remote control enables hands-free operation for even greater dependability.

### Advanced Playback Features

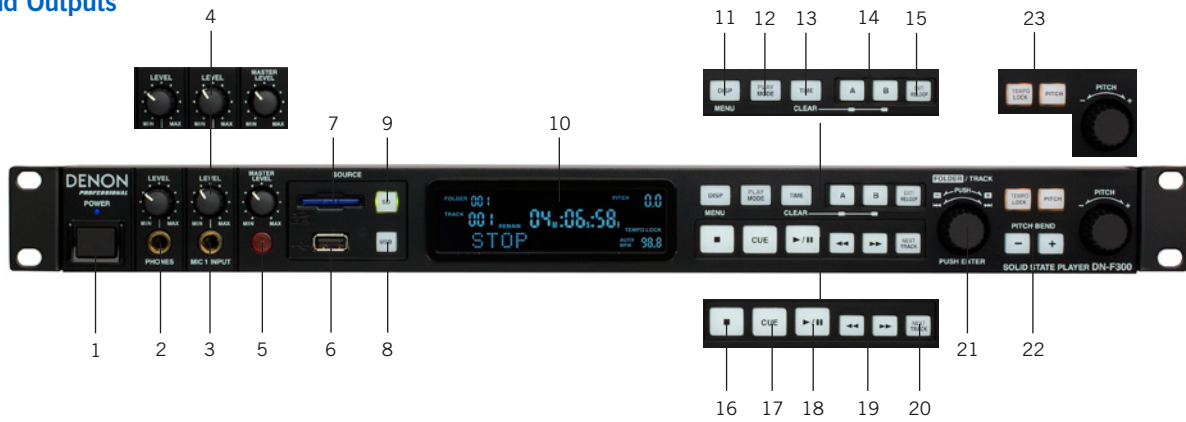
The DN-F300 offers a wide range of advanced features normally reserved for only the most expensive audio playback models. Its  $\pm 20\%$  Pitch and Tempo controls, easy file search and A-B Repeat functions, along with the convenience of the included RC-1135 IR remote make it an ideal solution for fitness clubs, dance and aerobics facilities. And dual mic inputs with Auto-ducking make the DN-F300 the perfect choice for restaurants, offices and other paging and BGM operations.

### Versatility

The DN-F300 supports today's most popular audio formats, including MP3 files and uncompressed, CD-quality WAV files. The front-panel SD/SDHC and USB inputs make it a perfect addition to any broadcast facility, providing for instantaneous playback of files from handheld remote news gathering devices without the need to transfer files or convert formats.

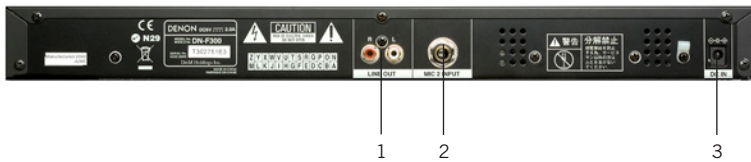
# DN-F300

## Controls and Outputs



### Front side key:

- |  |                                  |                             |  |
|--|----------------------------------|-----------------------------|--|
| 1 Power Switch                         | 7 SD / SDHC Media Slot           | 13 Time Display Button      | 19 FF and FR Buttons   |
| 2 Headphone Jack                       | 8 USB Source Select Button       | 14 A-B Repeat Point Buttons | 20 Next Track Reserve Function Button  |
| 3 Microphone Input                     | 9 SD Source Select Button        | 15 Exit / Re-loop Button    | 21 Next / Prev. Track / Directory / Menu Navigation JOG Wheel / Enter Button |
| 4 HP / MIC / Master Out Level Controls | 10 Display                       | 16 Stop Button              | 22 Pitch Bend + and - Buttons  |
| 5 Infrared Receiver                    | 11 Display / MENU / STORE Button | 17 Cue Button               | 23 Tempo Lock and Pitch Controls   |
| 6 USB Media Port                       | 12 Play Mode Button              | 18 Play-Pause Button        |  |

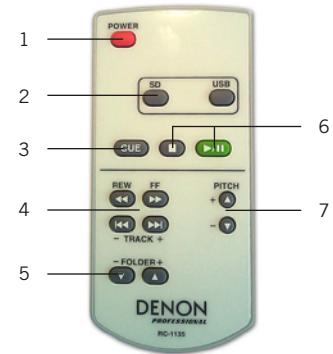


### Rear side key:

- 1 Audio Output
- 2 Secondary Mic Input
- 3 DC Inlet

### Remote control key:

- 1 Power On / Off Button
- 2 SD / USB Media Source Select
- 3 CUE Button
- 4 Track Select and FF / FR Buttons
- 5 Directory Navigation Buttons
- 6 Play-Pause / Stop Transport Buttons
- 7 Pitch + / - Buttons



## Specifications

### System

Playback Media: SD/SDHC, USB drives  
 Playback File Format: WAV, MP3 (MPEG-1 Layer III)  
 Media Format: FAT/FAT32  
 MP3 Bit Rate: 32-320 kbps/Stereo, VBR  
 Sampling Frequency: 44.1 kHz  
 Quantization: 16 bit

### Audio Section

Audio channel: 2 (Stereo) / 1 Monaural  
 Frequency response: 20 to 20,000 Hz ± 1.0 dB  
 Dynamic range: 96 dB  
 Signal-to-noise Ratio: 97 dB (1 kHz, 0 dB playback, A filter)  
 Channel separation: 89 dB (1 kHz, 0 dB playback)  
 Total Harmonic Distortion: 0.006% (1 kHz, 0 dB playback)  
 Line Output (RCA): 2.0 Vrms (0 dB) / 1 kohm (Level Control Max)  
 Mic input sensitivity/input impedance: -38 dBV/10 kohm (Level Control Max)  
 Headphone Output: 20 mW / 32 ohms (Level Control Max)  
 Variable Pitch Control: ±20.0% (0.1% steps)  
 Frame Search Accuracy: 1 / 75 second

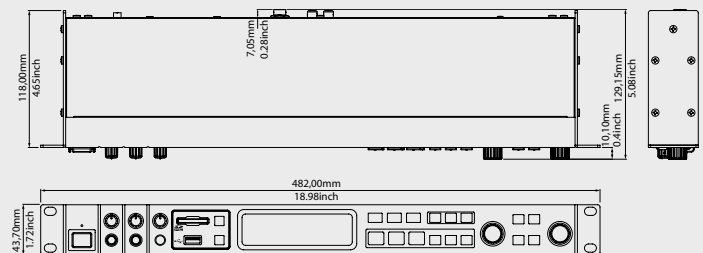
### General

Power Source: DC6 V  
 Power Consumption: 7.8 W  
 Dimensions (W x H x D) incl. rack kits: 482 x 44 x 129mm  
 19" x 1-12/16" x 5"  
 Weight: 1.6 kg  
 3 lbs. 9 oz.

### Environmental Conditions

Operating temperature: +5°C to +35°C  
 Operating humidity: 25% to 85%, non condensing  
 Storage temperature: -20°C to +60°C  
 Storage humidity: 25% to 85%, non condensing

### Dimensions



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PLEASE NOTE: Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.