

MP3 IR SD USB

# DN-F300 Solid State Audio Player



This new player further emphasises our commitment to providing consultants and contractors with digitally-based, solid media products that feature no moving parts, with high reliability and maintenance-free operation under the most challenging conditions.

All of the advanced features that have made Denon Professional famous for broadcast CD playback have been implemented in the DN-F300 and because of the robust and reliable solidstate media format, the DN-F300 is ideal for audio playback in a myriad of demanding applications, including Background Music (BGM), Fitness and Aerobics, DJ and Broadcast.

Housed in a compact 1U-rackspace enclosure, the DN-F300 offers contractors and system integrators a versatile solid-state audio player at an extremely cost-effective price point. The DN-F300 also has IR control and a microphone input, making it perfect for fitness and dance applications as well as background music playback. Additionally, the mic input has music ducking, which helps for paging in BGM applications. It also features  $\pm 16\%$  pitch control, likewise ideal for dance and aerobics/fitness.

## Features

- Compact and space-saving 1U/HE chassis
- Plays uncompressed WAV (44.1 kHz) and MP3 files
- Media playback mediums include both SD/SDHC cards (up to 32 GB) and USB (thumb drives or self-powered HDDs)
- $\pm 16\%$  pitch control
- Tempo adjust
- Microphone input with independent level control and music ducking
- Random, Repeat Dir., Repeat All play modes
- A-B Repeat
- Next track select function
- Easy front panel file and directory navigation
- HP jack with level control
- Master level control
- Removable rack ears



Rear panel

# DN-F300 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

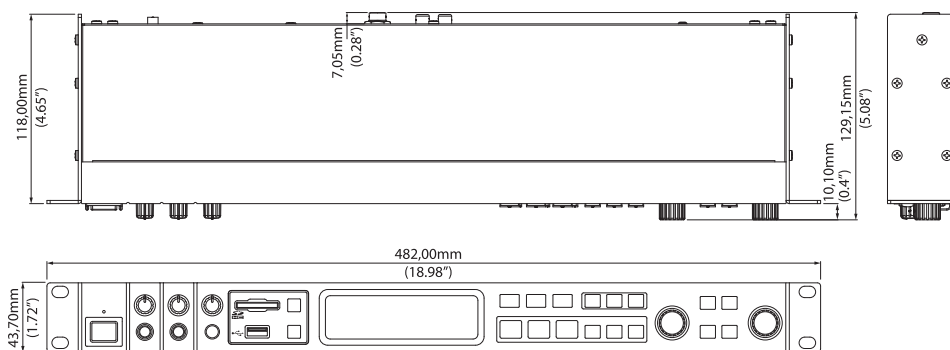
Audio channel:	2 (Stereo) / 1 Monaural
Frequency response :	20 to 20,000 Hz $\pm$ 1.0 dB
Dynamic range :	96 dB
Signal-to-noise Ratio :	97 dB (1 kHz, 0 dB playback, A filter)
Channel separation :	89 dB (1 kHz, 0 dB playback)
Total Harmonic Distortion :	0.006% (1 kHz, 0 dB playback)
Line Output (RCA):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

## GENERAL

Power Source:	DC6 V
Power Consumption :	12 W
Dimensions (W x H x D) incl. rack kits :	482 (19") x 44(1-12/16") x 129 (5") mm
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



### Note

- Some part may not be played back correctly depending on the format or recording status.
- For improvement purposes, specifications and design are subject to change without notice.