

## Half-space 1RU Solid State Audio Recorder

# DN-F450R

The DN-F450R offers a simplified, cost competitive solid state recording and playback capability. Derived from the DN-F650R, the half rack size unit provides for recording and playback to and from SD and SDHC flash memory cards, with USB connectivity to PC for file management and transfer. Balanced analog inputs on XLR are featured alongside unbalanced I/O. Stereo and mono audio channels are simultaneously available, and PCM WAV and MP3 file formats are supported, at 48 / 44.1 kHz and 32 - 320 kbps. Serial and contact closure remote control are supported, and a headphone out with volume control is included. Selectable playback modes, power on auto play, marking and mark search, audible quick search, and easy file search with the front panel jog wheel are all featured.



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### Key Features

- Recording to a SD/SDHC card
- Supports WAV (PCM) and MP3 format
- Half of 19 inch rack mountable, 1U size
- OLED display
- Balanced and unbalanced audio input
- Serial Remote (RS232)
- Contact closure remote control (Foot Pedal Remote)
- Connecting to PC via USB
- Marking and Mark search
- Audible Quick Search
- Various playback modes (Single/Continuous, Repeat, Random)
- Power On Auto Play
- Easy file search with Jog Wheel
- Headphones with Level Control

### Overview

The Denon DN-F450R is a highly versatile professional solid state recorder offering recording to SD/SDHC flash cards. Designed to fulfill the most demanding playback and recording applications in A/V installation, audio production, live sound, theatre and broadcast, the DN-F450R is a professionally specified, cost-effective replacement for cassette, DAT, MD, CDR and commodity PC based systems currently fulfilling such roles. The DN-F450R has balanced XLR analog audio inputs as well as unbalanced analog connectivity. Serial and contact closure remote control are supported for support with externally controlled devices and for system integration.

### Advanced Usability

The easy-to-read OLED display and easy file search jog wheel enables simple front panel operation. A variety of playback modes includes single, repeat, random, continuous and skip back play and a headphone out with volume control are also included.

### Recording and Formats

Stereo and mono audio channels are simultaneously available and both WAV and MP3 file formats are supported, with selectable sample rates of 48 and 44.1 kHz at 16 bit resolution, and MP3 bit rates between 32 and 320 kbps.



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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.

# DN-F450R

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## Applications

- Education
- Government / Municipality
- Conference Recording
- Houses of Worship
- Broadcast
- Studio
- Lecture Recording
- Hospitality
- Corporate / Meeting Recording



## Specifications

### System

Media:	SD / SDHC
File Format:	WAV / MP3 (MPEG-1 Layer III)
Media Format:	FAT / FAT32
MP3 Bit Rate:	32 - 320 kbps / stereo
Sampling Frequency:	48 / 44.1 kHz
Quantization:	16 bit

### Audio Section

Audio Channels:	2 (Stereo) / 1 (Mono)
Frequency Response:	20 Hz ~ 20 kHz $\pm$ 1.0 dB
S/N Ratio:	90 dB (1 kHz, 0 dB playback, A filter)
Channel Separation:	80 dB (1 kHz, 0 dB playback)
Total Harmonic Distortion:	0.01% (1 kHz, 0 dB playback)
Dynamic Range:	96 dB

### Inputs

Balanced Input:	Type XLR (1:GND, 2:Hot, 3:Cold)
Input Sensitivity:	+24 / 0 dBu
Input Impedance:	24 kohms
Unbalanced Input:	Type RCA
Input Sensitivity:	500 mVrms
Input Impedance:	22 kohms

### Outputs

Unbalanced Output:	Type RCA
Level:	2 Vrms
Headphone Output:	Type TRS 1/4"
Level:	20 mW / 32 ohms

### General

Power Supply:	DC 5V (DA620PMD)
Power Consumption:	5 W
Dimensions (W x H x D):	217 x 44 x 270 mm
Weight:	1.7 kg

### Environmental Conditions

Operating temperature:	+5°C to +35°C
Operating humidity:	25% to 85%, no condensation
Storage temperature:	-20°C to +60°C
Storage humidity:	25% to 85%, no condensation

### Included Accessories

Stereo Audio Cable:	1
USB Cable:	1
AC Adaptor DA620PMD:	1
19" Rack Kit:	1
Operating Instructions:	1
CD-ROM for multi-language manuals & DMP Mark Editor software:	1

### Other Information

Carton Size (W x H x D):	435 x 145 x 310 mm
Carton Weight:	3.5 kg
Country of Origin:	Japan



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1 2 3 4 5 6 7 8 9  
min | max  
LEVEL