

## DN-900R

### Network SD/USB Audio Recorder with Dante 2x2 Interface

Records to SD/SDHC and USB media in MP3 and WAV (up to 24-bit/96kHz)

Dual Record feature (records to two media options simultaneously for primary and backup recording)

Dante™ 2x2 Ultimo network interface for recording and playback

Relay Record feature (continues recording to backup media when primary media is full)

File Archiving via FTP (automatic or timed) with 24/7 record feature

Web Remote for setup and control with password protection



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Taking its place as Denon Professional's flagship recording product, the DN-900R Dante/Network SD/USB Recorder is designed to meet the needs of the most demanding installations, combining high-quality audio recording with extensive network capabilities. With a powerful feature set and using the most reliable solid-state recording media, the DN-900R enables AV installation professionals to replace traditional recording devices with superior solid-state hardware in the widest range of applications.

Housed in a compact 1U rack-mountable chassis, the DN-900R offers Dante 2-in/2-out network compatibility as well as recording to both reliable SD card (two slots, 512GB each) and USB storage media. The unit can be configured for 'dual' simultaneous recording to both formats or 'relay/cascade' recording where longer recording times are desirable. Designed for professional environments, the DN-900R features versatile connectivity including balanced XLR analogue audio and AES/EBU digital I/O, as well as unbalanced analogue connections and SPDIF.

#### Features

- Records to SD/SDHC and USB media in MP3 and WAV (up to 24-bit/96kHz)
- Dual Record feature (records to two media options simultaneously for primary and backup recording)
- Dante™ 2x2 Ultimo network interface for recording and playback
- Relay Record feature (continues recording to backup media when primary media is full)
- File Archiving via FTP (automatic or timed) with 24/7 record feature
- Web Remote for setup and control with password protection

## Technical Specifications

Inputs	Mic/Line In	2 XLR connectors
	Line In	2 x RCA connectors
	Digital In	1 AES/EBU, 1 S/PDIF
	Dante Digital In	RJ-45 Connector
Balanced Analogue In L/R	Type	XLR (1: GND, 2: HOT, 3: COLD)
	Line Setting Input Level	+4dBu
	Maximum Input Level	+24dBu/+20dBu/ +18dBu
	Input Impedance	20k $\Omega$
	Mic Setting Input Level	-60 to 16dBu
	Input Impedance	5k $\Omega$
	EIN	Less than -127dBu (Rs = 150 $\Omega$ )
	CMRR	< 80dB
Unbalanced Analogue In L/R	Type	RCA terminal
	Input Level	-10dBV
	Maximum Input Level	+10dBV/ +6dBV/ 4dBV
	Input Impedance	10k $\Omega$
Unbalanced Digital In	Type	RCA terminal
	Input Impedance	75 $\Omega$
	Standard Input Level	0.5Vp - p
	Format	IEC-60958 (Coaxial)
Balanced Digital In	Type	XLR (1: GND, 2: HOT, 3: COLD)
	Input Impedance	110 $\Omega$
	Standard Input Level	3.5Vp - p
	Format	IEC-60958 (AES/EBU)
Dante Digital In	Type	10/100 Ethernet RJ-45 connector
	Format	24bit; 96, 48, 44.1kHz sampling rates, uncompressed

Outputs	Balanced Analogue Out L/R	XLR
	Unbalanced Out L/R	RCA
	Balanced Digital Out	AES/EBU
	Unbalanced Digital Out	S/PDIF
	Headphone Output	1/4" / 6.35mm
	Dante Digital Out	RJ-45 connector
Balanced Analogue Out L/R	Type	XLR (1: GND, 2: HOT, 3: COLD)
	Load Impedance	over 600Ω
	Output Level	+4dBu at 600Ω load
	Maximum Output Level	+24 dBu/ +20 dBu/ +18 dBV
Unbalanced Analogue Out	Type	RCA terminal
	Load Impedance	Over 10kΩ
	Output Level	-10dBV
	Maximum Output Level	+10 dBV/ +6 dBV/ +4 dBV
Balanced Digital Out	Type	XLR (1: GND, 2: HOT, 3: COLD)
	Output Impedance	110Ω
	Standard Output Level	3.0Vp - p
	Format	IEC-60958 (AES/EBU)
Unbalanced Digital Out	Type	RCA terminal
	Output Impedance	75Ω
	Standard Output Level	0.5Vp - p
	Format	IEC-60958 (Coaxial)
Dante Digital Out	Type	10/100 Ethernet RJ-45 connector
	Format	24 bit; 96, 48, 44.1 kHz sampling rates, uncompressed
Dante Network Audio	Latency	Less than 1 ms (excluding auxiliary signal paths)
	Sample Rate	DN-900R uses SRC on its output to Dante to convert recorder sample rates to Dante Network sample rates
	Sample Bit Depth	24 bit
Compatible Media	SD/USB memory/USB HDD	
Headphone Out	1/4" (6.35mm) 20 mW/32 Ω	

Storage	Maximum Storage Capacity	Up to 2TB
	Maximum File Size	2GB
	Maximum Number of Files	2000 files (for 1 folder)
	Maximum Number of Folders	1000 folders
	Maximum Number of Folder Hierarchies	8 (under the root directory)
File System	FAT16, FAT32, HFS+, exFAT	
File Format Specifications	Compatible Media	SD, SDHC, USB memory, USB HDD
	Extension	WAV, AIFF, AIF
	Resolution	16bit, 24bit
	Sampling Frequency	44.1k, 48k, 96k
Playable MP3 Format	Extension	MP3
	Bit Rate	32 - 320 kbps, VBR
	Sampling Frequency	44.1k, 48k
Playable AAC Format	Extension	M4A
	Compression Method	AAC-LC
	Bit Rate	64 - 320 kbps, VBR
	Sampling Frequency	44.1k, 48k
Number of Channels	2 (stereo), 1 (mono)	
Audio Frequency Characteristics	Line / Mic (-16dBu) (+0.5dB / -1dB)	
S/N Ratio	< 89dB (A-weighted)	
Total Harmonic Distortion	Less than 0.01%	
Dynamic Range	<106dB (for 24bit WAV playback)	
Channel Separation	> -90dB	
Variable Pitch Width	-16% to + 16%	
Variable Trim Adjustment Width	± 2.0db	
Power	Connection	Standard IEC (switching power supply)
	Input Voltage	120V AC, 60Hz (US and Canada models) 230V AC 50/60 Hz (EU, UK, Asia/Pacific models)
	Power Consumption	30 W, 0.4 W (standby), 3.4W (network standby)
Environmental Conditions	Operating Temperature	41 - 95°F
	Operating Humidity	25 - 85%, non-condensing
	Storage Temperature	-4 to 140 °F
Dimensions (width x depth x height)	16.92" x 9.48" x 1.68" (430 x 241 x 43mm)	
Weight	5.7 lbs (2.6kg)	