



DN-X900

Professional 19-inch Analog/Digital Matrix Mixer

This analog/digital mixer gives plenty of reasons to make the switch to digital. Computer-based DJs want an alternate means to move digital audio "From" and "to" sound cards, while maintaining the utmost fidelity. The DN-X900 offers 4 coaxial digital inputs with 24-bit digital processing and 2 digital outputs that feed a CD-R burner or computer for recording purposes with a unique Track Mark ID Function! Rock-solid construction, superb audio fidelity, high quality parts and reliability are the core design ingredients. Unique Features provide mobile and club DJs flexibility and intuitive control. Eight-channel input matrix routing gives the Freedom to move any source to any channel or the same source to multiple channels for remixing. Pre-fader level metering and gain control and long 60mm smooth channel faders are individually replaceable with the optional rotary knob (ACD-46). Three-Band EQ with Full output kill, booth output with channel select, 2 mic inputs with talkover sensitivity and effects send/return with cue, dry/wet knob and channel select make this the mixer you've been waiting for.

www.denondj.com



ADVANCED FEATURES

Matrix Input Assignment

No longer does your device need to be married to a particular channel. Eight input sources are freely assignable to any channel or even multiple channels.

4 Digital Inputs / 8 Line / 3 Phono Switchable

4 Smooth 60mm VCA Channel Faders

Flex Fader 45mm VCA Cross Fader with Contour Adjust

The tension on this crossfader can be adjusted freely.

Track Mark

No need to reach over to your CD-R burner anymore. Make new track increments right from the mixer.

Independent Channel PFL Meters

All input levels can be pre-adjusted in advance to match the gain levels, insuring a smooth transition between fades.

Independent 3-Band EQ Kill (high-mid-low)

Independent EQ On/Off Switch

Booth Output Assign Selector

Pre-monitor any channel including Master through the booth output in the same manner as you would with your headphones, with volume control!

External Send/Return Control

- Multi Channel Assignable
- Effect On/Off
- Effect Cueing (Pre & Post)
- Effect Dry/Wet Knob

Independent Channel A-B Post Switch (crossfader)

Powerful Clean Headphone Output

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DN-X900

SPECIFICATIONS

GENERAL

Dimensions	19.0 (W) x 4.4 (H) x 6.9 (D) inch 482 (W) x 112.5 (H) x 177 (D) mm
Weight	5.9 kg, 13 lbs.
Power Supply	AC120 V \pm 10%, 60 Hz
Power Consumption	33 W

AUDIO SECTION

Input Level and Impedance

8-Line	-14 dBV (200 mV) 50k Ω /kohms
3-Phono	-50 dBV (3.0 mV) 50 k Ω /kohms
Effect (Return)	-14 dBV (200 mV) 50 k Ω /kohms
Main Mic	-54 dBV (2.0 mV) 10 k Ω /kohms
Aux Mic	-60 dBV (1.0 mV) 10 k Ω /kohms

Output Level and Impedance

Balanced	4 dBm (1.23 V) 600 Ω /ohms
Unbalanced	0 dBV (1.0V) 1 k Ω /kohms
Booth/Zone (Balanced)	4 dBm (1.23 V) 600 Ω /ohms load
Rec (RCA)	-10 dBV (316 mV) 1 k Ω /kohms
Effect (Send)	-14 dBV (200 mV) 1 k Ω /kohms
Subwoofer/Lighting	2 dBm (975 mV) 600 Ω /ohms
Headphone	0 dBV (1.0 V) 32 Ω /ohms

Frequency Response

Line	20 to 20 kHz \pm 2 dB
Phono	20 to 20 kHz RIAA \pm 2 dB
Mic	20 to 20 kHz \pm 2 dB

Signal to Noise Ratio

Line	82 dB (0 dBm, 1 kHz, EQ flat)
Phono	75dB (0 dBm, 1 kHz, EQ flat)
Main Mic	65 dB (0 dBm, 1 kHz, EQ flat)

Total Harmonic Distortion Rate

Line	Below 0.05%
Phono	Below 0.05%
Cross Talk	Over 70 dB

Channel Equalizer

Hi	+10 dB, -35 dB (16 kHz)
Mid	+10 dB, -35 dB (1 kHz)
Low	+6 dB, -35 dB (60 Hz)

Microphone Equalizer

Hi	+12 dB, -12 dB (10 kHz)
Mid	+12 dB, -12 dB (1 kHz)
Low	+12 dB, -12 dB (100 Hz)

Digital Output (COAXIAL/TOSLINK)

Signal Format	IEC958 Type II
Output Level	0.5 Vp-p 75 Ω /ohms
Output Signal Level	-6 dB

Digital Input (COAXIAL)

SPDIF	32-48kHz 16,20bit
Input Level	0.5 Vp-p 75 Ω /ohms

OTHER FEATURES *continued*

Fader Start (5V pulse) Cross Fader and Channel Fader-Start Trigger is compatible with all Denon DJ CD/MP3 players.

Compact 4U Rack Space with Recessed Rear Terminals

Independent 3-band Main and Aux Mic EQ

Mic Talkover Function with Sensitivity Adjustment

Independent CUE System (all channels)

Split / Cue Headphone Monitor with PFL Metering

Master Output -10dB Attenuation Switch

Master Output Stereo/Mono Switch

Zone Output with Volume Adjust

Record Out – RCA/Unbalanced

2 Digital Outputs – Toslink/SPDIF

Subwoofer/Lighting Output with Frequency Adjust Ideal for powered speakers, powered amp or even a signal feed for lighting systems.

Gold Plated RCA Connectors

Optional Rotary Knob Kit (Model: ACD-46) A DJ or club owner can easily swap out any channel fader (1 to 4) and replace them with our optional ACD-46 rotary knob kits, making the DN-X500 appealing to both fader and knob style DJs. With its powerful matrix routing option, it doesn't matter where they get installed (see fig. 1)



Figure 1



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