



DENON DJ



Professional 19-inch Analog/Digital Matrix Mixer

DN-X900



If the digital domain hasn't become a part of your world yet, the all new DN-X900 analog/digital mixer will certainly give you plenty of reasons to make the switch. Computer based DJs have been looking for an alternate means to move digital audio "from" and "to" their sound cards, while maintaining the utmost fidelity. The DN-X900 offers four coaxial digital inputs with 24-bit digital processing and two digital outputs that can feed your 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 of course, reliability are the core ingredients of our design. The DN-X900's unique features provide Mobile and Club DJs tremendous flexibility and intuitive control. Eight-channel input matrix routing gives you the freedom to move any source to any channel or even 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 our rotary knob option (ACD-46). Three-Band EQ with full output kill, booth output with channel select, two mic inputs with talkover sensitivity and effects send/return with cue, dry/wet knob and channel select should all make this new mixer the one you've been waiting for.

Advanced Features

- **Matrix Input Assignment**
No longer does your device need to be married to a particular Channel. 8 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 w/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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Other Features

- **Fader Start** (5V pulse)
Cross Fader and Channel Fader-Start Trigger is compatible with all Denon DJ CD/MP3 players.
- **Compact 4U Rack Space w/Recessed Rear Terminals**
- **Independent 3-band Main and Aux Mic EQ**
- **Mic Talkover Function w/Sensitivity Adjustment**
- **Independent CUE System** (all channels)
- **Split / Cue Headphone Monitor w/PFL Metering**
- **Master Output -10dB Attenuation Switch**
- **Master Output Stereo/Mono Switch**
- **Zone Output w/Volume Adjust**
- **Record Out – RCA/Unbalanced**
- **2 Digital Outputs – Toslink/SPDIF**
- **Subwoofer/Lighting Output w/Freq 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



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) 50 k 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



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