



DENON DJ



DN-X500

Professional 19-inch Matrix Mixer with Rotary Option

We listen, we understand, we build. The result is our DN-X500 rackmount mobile/club DJ mixer. Rock solid construction, superb audio fidelity, high quality parts, and of course reliability are the core ingredients of our design. The DN-X500'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 as well as long 60 mm 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 make this 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. Eight input sources are freely assignable to any channel or even multiple channels.

8 Line / 2 Phono Switchable

4 Smooth 60mm VCA Channel Faders

Responsive 45mm VCA Cross Fader with Contour Adjust

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

Fader Start (5V pulse)

Cross Fader and Channel Fader-Start Trigger is compatible with all Denon DJ CD/MP3 players.

continued on next page

DN-X500

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	5.8 kg, 13 lbs.
Power Supply	AC120 V \pm 10%, 60 Hz
Power Consumption	27 W

AUDIO SECTION

Input Level and Impedance

8-Line	-14 dBV (200 mV) 50 k Ω /kohms
2-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 (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	75 dB (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)



ACD-46 Option

OTHER FEATURES *continued*

Compact 4U Rack Space with Recessed Rear Terminals

Independent 3-band Main and Aux Mic EQ

Independent CUE System (all channels)

Mic Talkover Function with Sensitivity Adjustment

Split /Cue Headphone Monitor with PFL Metering

Master Output -10dB Attenuation Switch

Master Output Stereo/Mono Switch

Record Out - RCA/Unbalanced

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

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 figure 1*)

Figure 1



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