



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.

[www.denondj.com](http://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.

#### 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.

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# 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 $\Omega$ /kohms
2-Phono	-50 dBV (3.0 mV) 50 k $\Omega$ /kohms
Effect (Return)	-14 dBV (200 mV) 50 k $\Omega$ /kohms
Main Mic	-54 dBV (2.0 mV) 10 k $\Omega$ /kohms
Aux Mic	-60 dBV (1.0 mV) 10 k $\Omega$ /kohms

#### Output Level and Impedance

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