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DN-X600

Digital DJ Mixer, w/MIDI Interface & Sound Card

MIDI USB



Features

- 24-bit 96kHz USB2.0 Audio Interface (Soundcard) 4in/4out (stereo)
- DVS direct mode (CD/Vinyl) for DJ applications using platter control signal operation (timecode)
- Fully MIDI Mappable control surface (knobs, keys and buttons)
- Intuitive On-board DSP Effects area with independent Send assignment (Ch/ Mic/Master)
- Delay, Echo, Flanger, Filter, Reverb, Loop, Beat Scratch, BeatBreaker
- Internal 32-bit Floating DSP Processing and 32-Bit DAC Output for best possible sound
- MAC OSX 10.6.4 and 32/64-bit Windows XP/Vista/Win7 Compatible
- Low latency 32/64 Bit ASIO driver for PC included
- Send/Return control -for use with external effectors
- USB Send/Return routing -for use with DJ software DSP effects such as Traktor
- USB MIDI Clock In BPM Detection -for use with, Traktor, Torq, Ableton, Cubase...etc
- Powerful 2-way EFX Parameter Filter:
 - 1) Cross Over (filter)
 - 2) Isolator (Low pass filter/ High pass filter)
- Matrix Input Assignment Selector Knob
- Selectable PFL input gain & program meters
- Split Cue function with Cue/Master pan knob
- Phono Amp with high S/N ratio, equivalent to Denon HiFi products
- Ultra clean Mic Amp to realise a studio console class' low noise level (EIN -126dBu)
- High sound quality high output Headphone Amplifier
- 45mm High Performance Flex Fader (cross fader) w/tension adjust
- Innofader Pro compatible (for cross fader) *see Audio Innovate for more info
- 45mm custom Alps type Channel Faders
- Unique 32-point Cross Fader Contour adjustment with:
 - Contour Adjust
 - Cross Fader Start Position off the edge (0~2mm range)
 - "Thru" function for pure MIDI to control Video fades (VDJ, VSL)
- Channel Fader contour adjustment
- Fader Start function (channel/cross fader)
- Independent 3-Band Isolator EQ w/Kills (High-Mid-Low)
- Large BPM Display w/various beat/time parameter indicators
- Balanced/Unbalanced Master Output
- Master Output Stereo/Mono switch
- Booth Output w/level control
- Mic Input w/Ducking control & 2-Band EQ
- Various Utility presets to customise user settings
- Ideal Grounding Construction protecting from external noise
- ECO standby mode

The Denon DN-X600 is a highly spec'd 2-channel performance mixer, optimised for both traditional vinyl techniques and the latest digital media and computer DJ systems, that offers levels of technology and performance comparable with Denon's flagship 4-channel models. Solid steel chassis construction, professional grade components and powerful USB MIDI capabilities make this a robust gigning tool, equally at home in the booth or the studio.

Best in class signal path components, controls, processing and control features include many derived directly from Denon's flagship DN-X1700 and DN-X1600 mixers. Ensuring the highest quality audio performance, the DN-X600's internal sound card is a 4 x stereo in / 4 x stereo out 24-bit / 96kHz USB 2.0 Audio Interface, while the mixer's audio output is via a whopping 32-bit DAC. The mixer's vinyl credentials include a proprietary phono amp design with a signal-to-noise performance equivalent to that of the company's top end hi-fi amplifiers; just as highly spec'd are the ultra-clean mic amp and high output headphone amp.

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DENON DJ

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Specifications

Audio

- PHONO inputs

Input impedance: 47 k Ω
Level: -40 dBV(10 mV)

- CD inputs

2 Stereo
Unbalanced RCA terminal
Input impedance: 10 k Ω
Level: 0 dBV
Signal to Noise ratio: 100 dB

- Equaliser (LINE)

Channel EQ Adjustment Range:
3 Band
HI (High Range) :
- ∞ , -90 dB - +10 dB
MID (Medium Range) :
- ∞ , -90 dB - +10 dB
LOW (Low Range) :
- ∞ , -90 dB - +6 dB

- AUX1 Input

Input impedance: 10 k Ω
Level: 0 dBV

- EFX RETURN AUX2 inputs

Input impedance: 1
Level: 0 k Ω
AUX2:0 dBV
EFX RETURN:
-10 dBV

- MIC inputs

MIC:
Balanced XLR
(1: Ground, 2: Hot, 3: Cold)
Input impedance: 5k Ω
Level: -60 - +20 dBu
EIN: -126 dBu or less
(Rs=150 Ω)

- CMRR: 89 dB or more (1 kHz)

- Equaliser (MIC/AUX1)

Adjustment Range:
2 Band
HI (High Range) :-15 - +15 dB
LOW (Low Range) :-15 - +15dB

- USB audio inputs

4 Stereo(8 Monaural) 24 bit,
Fs:44.1/48/96 kHz
USB B

- MASTER output Balanced:

Stereo, balanced XLR terminal
(1: Ground, 2: Hot, 3: Cold)
DA converter:
32 bit 128-times oversampling
advanced segment
Load impedance: Over 600 Ω
Level: + 4 dBu (Max + 24 dBu)
Frequency response: 20 Hz - 20 kHz(\pm 0.5 dB)
THD: Less than 0.05%
Crosstalk: Less than -100 dB (1 kHz)
Unbalanced: S tereo RCA terminal
Load impedance: 0 k Ω
Level: 0 dBu (Max + 20dBu)

- EFX SEND/BOOTH Output

Load impedance: Stereo RCA terminal
10 k Ω or more
Level: BOOTH: 0dBu (Max + 20dBu)
EFX SEND:-10dBV
(Max +10dBV)

- Headphone output Stereo

Load impedance: 40 Ω
Level: 100 mW

- USB audio output

4 Stereo(8 Monaural) 24bit,
44.1/48/96 kHz
USB B

General

USB MIDI I/O: IN:1ch, OUT:1ch MIDI1.0,
MIDI Clock USB B

CH Meter: PPM 10 Point LED-20 - + 10
dB, Peak

MASTER Meter: PPM 10 Point LED-20 - + 10
dB, Peak

CH Fader: 45 mm Slim Type fader

Cross Fader: 45 mm FLEX Fader
(Fader Torque Adjustable)

- Power supply:

U.S.A. and Canada models: AC 120 V, 60 Hz
European,U.K. and Asia/
Pacific models: AC 230 V, 50 Hz

Power consumption:

24 W
(Less than 0.3 W during standby)

Operating temperature:

+5 $^{\circ}$ C - +35 $^{\circ}$ C

Operating humidity:

25 % - 85 %

Storage temperature:

-20 $^{\circ}$ C - 60 $^{\circ}$ C

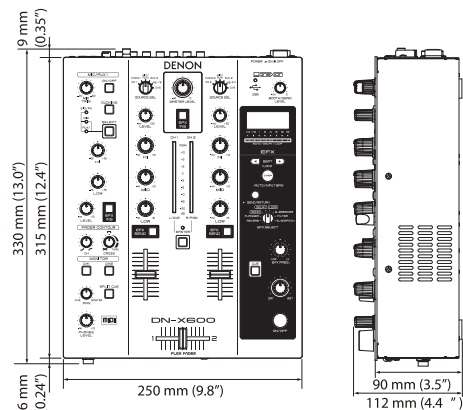
Dimensions

Width: 250 mm / 9.8"

Height: 315 mm / 12.4"

Depth: 90 mm / 3.5"

Weight: 4.0 kg (8 lbs 13.1 oz)



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