

# DN-X1600

Professional 4ch Digital DJ Mixer

MIDI

ASIO



## Features

- 4-Channel Digital DJ Mixer with Studio Quality Components & Specifications
- Internal 32-bit Floating DSP Processing and 32-Bit DAC Output for best possible sound
- 24 bit 96kHz USB2.0 Audio Interface (Soundcard) 4in/4out (stereo)
- PC/MAC Compatible
- Low latency 32/64 Bit ASIO driver for PC included
- DVS direct mode (CD/Vinyl) for DJ applications using control signal operation (timecode)
- USB MIDI In/Out and 5-pin MIDI Out
- MIDI Mapping area, up to 4 MIDI pages for various software
- Dual Layer Control Available - MIDI / Normal Audio
- Independent Effector w/14 Effects available
- (Delay, Echo, Trans, Flanger, Filter, Phaser, Reverb, Echo Reverb, Loop, Rev. Loop, Pitch Shift, PingPong Delay, Beat Scratch, BeatBreaker, Send/Return)
- V-Link - Allows DJ performers to simultaneously integrate audio and video over MIDI via Edirol's V-4/V-8 models
- 2-way EFX Parameter Filter (LPF/HPF)
- Independent EFX Insert for, Channel, Mic, & Master
- Matrix Input Assignment for Line/Phono and selectable USB Audio, Digital Input
- Discrete FET Phono Preamp Stage (4 phono inputs)
- Discrete Mic Circuit w/studio mixer quality specs
- Discrete high powered Headphone Amp w/studio mixer quality specs
- 45mm Cross Fader (Flex Fader) w/tension adjust
- 60mm custom Alps type Channel Faders
- Fader Contour control for Channel and Cross Fader
- Fader Start function (channel/cross fader)
- Cross Fader assignment function: (A, B, Thru)
- Independent 3-Band Isolator EQ w/Kills (High-Mid-Low)
- Large FL Tube Display w/various indicators for super easy navigation
- Selectable Digital Output (44.1/48/96kHz)
- Balanced/Unbalanced Master Output
- Balanced Booth Output
- 2 Mic Input w/Ducking level control
- Send/Return for external effectors
- Extensive Utility Menu to customize user settings
- Preset Import/Export Function by USB memory device (take your settings to another X1600/X1700 mixer)
- Large-diameter winding transformer

Born of the same development project that culminated in the flagship DN-X1700 mixer, the DN-X1600 offers premier quality design, build and performance, and shares many of the same features and performance specifications, as well as offering some new and improved features of its own. Included are Alps channel faders, extensive USB connectivity (both Windows® and MacOS® compatible), matrix input assignment with DVS mode, 32-bit internal digital processing, simultaneous MIDI operation – expanded to provide wide ranging control of DJ software applications with an exclusive MIDI controls and user interface section and even more (and new) digital effects. In addition to which, the DN-X1600 is the world's first DJ mixer to feature Roland V-LINK protocol for VJ mixing. The DN-X1600 represents an entirely new class of DJ mixer for professional and semi professional DJ's, club installations, mobile rigs, and serious bedroom DJs.

DISCOVER MORE AT [WWW.DENONDJ.EU](http://WWW.DENONDJ.EU)



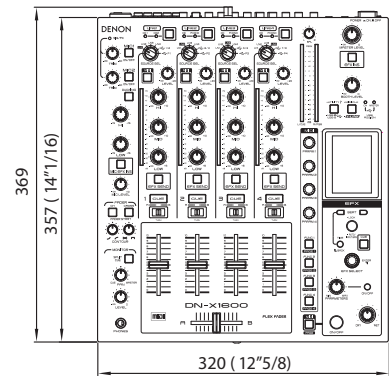
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# Specifications

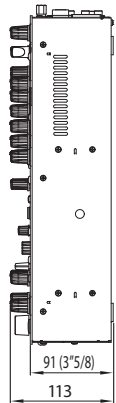
## General

Type:	Mixer
USB MIDI I/O:	IN: 1ch, OUT: 1ch MIDI 1.0, MIDI Clock USB B
MIDI OUT:	OUT: 1ch MIDI1.0, MIDI Clock 5pin DIN
Channel level meters:	PPM 16-point LEDs from -40 to 10dB, peak display
Cue master level meters:	PPM 16-point LEDs from -40 to 10dB, peak display
Channel Fader:	60 mm Slim Type Fader
Crossfader:	45 mm FLEX Fader
Dimensions:	320 (W) x 91 (H) x 357 (D) mm
Weight:	6.2 kg
Power supply:	U.S.A., Canada models: AC 120 V $\pm$ 10 %, 60 Hz
European models:	AC 230 V $\pm$ 10 %, 50 Hz
Power consumption:	34 W
Operational temperature:	5 ~ 35 °C
Operational humidity:	25 ~ 85 %
Storage temperature:	-20 ~ 60 °C



## Audio Section (0 dBu = 0.775 Vms, 0 dBV = 1 Vms)

PHONO inputs:	Stereo x 3 Unbalanced RCA terminal
Input impedance:	47 k $\Omega$
Level:	-40 dBV (10 mV)
Signal to Noise ratio:	89 dB
CD inputs:	Stereo x 5 Unbalanced RCA terminal
Input impedance:	10 k $\Omega$
Level:	0 dBV
Signal to Noise ratio:	100 dB
Equalizer (LINE):	Band x 3
Channel equalization adjustment range:	HI: $-\infty$ , -90 dB to 10 dB MID: $-\infty$ , -90 dB to 10 dB LOW: $-\infty$ , -90 dB to 6 dB
RETURN inputs:	Monaural x 2 1/4" TS terminal
Input impedance:	10 k $\Omega$
Level:	-10dBV/0dBV (Default: -10dBV)
MIC inputs:	Monaural x 2
MIC1:	Balanced XLR connectors (1: Ground, 2: Hot, 3: Cold)
MIC2:	Balanced 1/4" TRS jack (Tip: hot, ring: cold, sleeve: ground)
Input impedance:	5 k $\Omega$
Level:	-60 to -20 dBu
EIN:	Less than -126 dBu (Rs = 150 $\Omega$ )
CMRR:	More than 89 dB (1 kHz)
Equalizer (MIC):	Band x 2
Adjustment range:	HI: -15 to 15 dB LOW: -15 to 15 dB
USB audio inputs:	Stereo x 4 (monaural x 8) 24 bit, Fs: 44.1 kHz, 48 kHz, 96 kHz USB B
MASTER output Balanced:	Stereo, balanced XLR terminal (1: Ground, 2: Hot, 3: Cold)
DA converter:	32-bit 128x oversampling advanced segment converter
Load impedance:	More than 600 $\Omega$
Level:	4dBu (Max.: 24 dBu)
Frequency response:	20 Hz to 20 kHz ( $\pm$ 0.5 dB)
THD:	Less than 0.05%
Crosstalk:	Less than -100 dB (1 kHz)
Unbalanced:	Stereo RCA terminal
Load impedance:	10 k $\Omega$
Level:	0 dBu (Max.: 20 dBu)
REC output:	Stereo Unbalanced RCA terminal
Load impedance:	10 k $\Omega$
Level:	-10 dBV (Max.: 10 dBV)
BOOTH output:	Stereo Balanced 1/4" TRS terminal (Tip: hot; ring: cold, sleeve: ground)
Load impedance:	More than 600 $\Omega$
Level:	4 dBu (Max.: 24 dBu)
SEND output:	Monaural x 2 Unbalanced 1/4" TS terminal
Load impedance:	10 k $\Omega$
Level:	-10 dBV (Max.: 10 dBV)
Headphones output:	Stereo
Load impedance:	40 $\Omega$
Level:	150 mW
Digital coaxial output:	Stereo RCA terminal, IEC958 Consumer (Fs: 44.1 kHz, 48 kHz, 96 kHz)
USB audio output:	Stereo x 4 (monaural x 8) 24 bit, 44.1 kHz, 48 kHz, 96 kHz USB B



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