

16 Channels Digital Mixer

Dmix-1606

Key Feature:

- Input accept balanced and unbalanced XLR and 1/4” Plugs
- Total 8 of Mic. IN / 8 of LINE IN and 8 output ports
- 2 Output L & R and 4 AUX with Volume Control knob
- 2 Auxiliary Main Output can be send to other PA system
- USB port accepts a USB cable for connection to a computer for multi-channel audio recording
- Ethernet port allows the mixer to be controlled via LAN or connected Wifi router
- Free download Software can be control all functions, including channel level, Trim control, EQ, output level, effector…etc



Specification	
Number of processing channels	16 input channels, 4 aux buses, main LR + main L+R+
Internal effects engines	4 true stereo
Signal processing	40-bit floating point
A/D-D/A conversion (Cirrus Logic A/D CS5368, D/A CS4385)	24-bit @ 44.1 / 48 kHz, 114 dB dynamic range
Analog I/O latency*	0.8 ms
Connectors	
Programmable mic preamps, designed by MIDAS	14XLR/TRS combo jacks, balanced + Hi-Z TRS LINE IN
Main outputs	2 XLR, balanced
Aux outputs	6 XLR, balanced impedance
Ethernet	1 RJ45
Audio/Midi Interface	1 USB Type B
Mic Input Characteristics	
Preamp Design	MIDAS
THD + noise, 20dB gain, 0 dBu out	<0.005%, A-weighted
Phantom power, switchable per output	48V
Equivalent input noise level, XLR (input shorted)	-128 dBu, A-weighted
CMRR, XLR, @20 dB gain (typical)	>60dB
CMRR, XLR, @ 40 dB gain	>65dB
Input/Output Characteristics	
Frequency range, @48 kHz sample rate, 0 dB to -1dB	10 Hz – 22 kHz
Dynamic range, analog in to analog out (typical)	105 dB
A/D dynamic range, preamp to converter (typical)	109 dB
D/A dynamic range, converter and output	108 dB
Cross talk rejection @1kHz, adjacent channels	90 dB
Mic 1-8 Input impedance XLR jack, unbal. /bal.	5k Ω / 10k Ω
Non clip maximum input level, XLR	+23 dBu
Hi-Z 15-16 Input impedance TRS jack, unbal. /bal.	1MΩ / 2MΩ
Line 9-14 Input impedance TRS jack, unbal. /bal.	5kΩ/ 10kΩ
Line 15-16 Input impedance RCA/TRS	10kΩ
Non clip maximum input level, RCA/TRS	+16 dBu
Output Characteristics	
Output impedance, XLR, unbal. /bal.	50Ω / 50Ω
Output level, XLR, nom. /max.	+4 dBu / +16dBu
Output impedance, TRS, unbal. /bal.	50Ω / 50Ω
Output level, TRS, nom. /max.	+4 dBu / +16dBu
Physical Characteristics	
Dimensions (W x D x H)	485 x 215 x 90 mm (2u)
Net Weight	4.3kg