

DESCRIPTION

The M-8080D 8x8 Digital Matrix Mixer is dedicated music, paging, discussion and zone management solutions for Commercial Audio applications. With DSP functions: EQ, Compressor, Ducker, Priority Setting, etc. M-8080D Line-up includes remote control panels, remote input and output panel, paging microphone. Easy to use and to implement.
It can be mounted in an EIA Standard equipment rack (1 unit size).

SPECIFICATIONS

Power Source	100-240 V AC, 50/60 Hz
Power Consumption	40 W
Audio Input	Input 1 - 8 : -48 to 0 dBV, 6.8k Ω , electronic balanced, removable terminal block (3 pins x 8)
Audio Output	Output 1 - 8 : 0 dBV, 1.8k Ω , Maximum output 20dBu(7.75V), electronic balanced, removable terminal block (3 pins x 8)
Frequency Response	20 - 20,000 Hz, ± 3 dB
Total Harmonic Distortion	0.01%
S/N Ratio	Over 105dB (A weighted)
Crosstalk	Over 79dB (A weighted)
Phantom Power	+48 VDC, switchable, Inputs 1 - 8
Control input	GPI 1 - 2 : no-voltage contact input, open voltage:1.5V DC, short-circuit current: Under 3mA, RJ45 Connector x 2
Control output	Relay 1 - 2 : withstand voltage: 24V DC, control current: Under 500mA, removable terminal block(4 pins)
RD port	RD 9 - 12 : transmits and receives AES3 digital audio plus control data connect remote devices such as M-822IO, M-800RC, M-802RC, M-800RCT and M-800RM, maximum Cable Length is 100 meters, RJ45 Connector x 2
Equalizer/Filter	5 band EQ (LPF and HPF) for IN and 8 band EQ (LPF and HPF) for OUT Parametric Equalizer: 19.7 - 20,160 Hz, range: ± 18 dB, Q: 0.4 - 128, Type: peak/low/high Filter: High-pass Filter: 19.7 - 20,160 Hz, Type: Butterworth 6, 12, 18, 24, 30, 36, 42, 48dB; Bessel 6, 12, 18, 24, 30, 36, 42, 48dB; Linkwitz 12, 24, 36, 48dB Low-pass Filter: 19.7 - 20,160 Hz, Type: Butterworth 6, 12, 18, 24, 30, 36, 42, 48dB; Bessel 6, 12, 18, 24, 30, 36, 42, 48dB; Linkwitz 12, 24, 36, 48dB
Gate	Threshold: -80 to +20 dB in 1 dB steps Ratio: 1:1, 1.2:1, 1.3:1, 1.5:1, 1.7:1, 2.0:1, 2.2:1, 2.3:1, 2.5:1, 3.0:1, 3.5:1, 4.0:1, 4.5:1, 5.0:1, 5.5:1, 6.0:1, 6.5:1, 7.0:1, 7.5:1, 8.0:1, 8.5:1, 9.0:1, 9.5:1, 10.0:1, gate Attack: 10 - 150 ms Release: 10 ms - 1 s
Compressor	Threshold: -30 to +20 dB in 1 dB steps Ratio: 1:1, 1.2:1, 1.3:1, 1.5:1, 1.7:1, 2.0:1, 2.2:1, 2.3:1, 2.5:1, 3.0:1, 3.5:1, 4.0:1, 4.5:1, 5.0:1, 5.5:1, 6.0:1, 6.5:1, 7.0:1, 7.5:1, 8.0:1, 8.5:1, 9.0:1, 9.5:1, 10.0:1, limit Attack: 10 - 150 ms Release: 10 ms - 1 s
Ducker	Level: 0-15 Threshold: -80 to 0 dB in 1 dB steps Depth: -60 to 0 dB in 1 dB steps Activation: 10 ms - 6 s
Feedback compression (FBC)	Mode: Speech / Music Filter release: fast / mid / low FBC type: dynamic Filters / static Filters
Auto mixer	Activation: 10 ms - 6 s
Delay	Delay time: 0 - 1361.2916 ms
Display	LC-Display Displays device information: name, firmware version, ID, communication status
Indicators	Input: Analog Signal(Green)x8, Analog Peak(Red)x8, RD Signal(Green)x4, RD Peak(Red)x4 Output: Analog Signal(Green)x8, Analog Peak(Red)x8, RD Signal(Green)x4, RD Peak(Red)x4 Status: Fault(Red)x1, Comm(Green)x1, Power(Blue)x1
Operating Temperature	0°C to +40°C (32 °F to 104 °F)
Operating Humidity	90% RH or less (no condensation)
Finish	Panel: Aluminum, black Case: Surface-treated steel plate, black, paint
Dimensions	483 (W) X 44.2 (H) X 259 (D) mm (19.02" X 1.74" X 10.18")
Weight	4.18 kg
Accessory	Power cord (2 m) --2, CAT5 cable (2 m) --1, Removable terminal block(4 pins) --1, Removable terminal block(3 pins) --17
Option	M-804EX, M-822IO, M-800RC, M-802RC, M-800RCT, M-800RM