M-8080D-AM

8 X 8 DIGITAL MATRIX MIXER

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 implement. Now available with Dante module. Crestron module suite available for M-8080D.

Attention:
1. A network router is required for setting up the M-8080D.
2. All accessory connections between the M-8080D and the RD ports must be made using shielded Category 5 cables or higher, along with shielded connectors.

Key features

- 8 analog IN and 8 analog OUT
- 4 digital IN and 4 digital OUT
- DSP functionalities EQ, Compressor, Delay and more
- Intuitive GUI via PC
- Extended remote controller options
- 100M Shielded CAT 5e (or better) length
- M-8080D offers a large choice ofdevices for volume adjustment,paging management, routing andI/O modules
- 192 Inputs and Outputs with Dante Module

Specifications

Power Source	100-240 V AC, 50/60 Hz
Power Consumption	40 W
Frequency Response	20 - 20, 000 Hz, ±3 dB
Crosstalk	Over 79 dB (A weighted)
Total Harmonic Distortion	0.01%
Signal to Noise Ratio	Over 105 dB (A weighted)
Input	Input 1 - 8: - 48 to 0 dBV, 6.8kΩ, electronic balanced removable terminal block (3 pins x 8)
Output	Output 1 - 8: 0 dBV, 1.8kΩ, Maximum output 20dB (7.75V), electronic balanced removable terminal block (3 pins x 8)
Phantom Power	Over 79 dB (A weighted)
Control Output	Relay 1 - 2: withstand voltage: 24V DC, control current: Under 500mAremovable terminal block (4 pins)
Feedback Suppressor (FBS)	Mode: Speech / MusicFilter release: fast / mid / low FBC type dynamic Filters / static Filters
Auto-Mixing	Activation: 10 ms - 6 s
Equalizer/Filter	5 band EQ (LPF and HPF) for IN and 8 band EQ (LPF and HPF) for OUTParametric Equalizer: 19.7 - 20,160 Hz, range: ±18 dB, Q: 0.4 -128, Type: peak/low/highFilter: 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
Compressor/Auto-Leveler	Threshold: -30 to +20 dB in 1 dB stepsRatio: 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, 4.5:15.0:1, 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, limitAttack 10 -150 msRelease: 10 ms -1 s
Other	RD 9 -12: transmits and receives AES3 digital audio plus control data connect remote devices such as M-82210, M-800RC, M-802RC, M-800RCT and M-800RM, maximum Coble Length is 100 meters, RJ45 Connector x 2
Front Panel Section	Delay time: 0 -1361.2916 ms
Operating Temperature	0 °C to +40°C (32°F to 104°F)
Operating Humidity	90% RH or less (no condensation
Finish	Panel: Aluminum, blackCase: Surface-treated steel plate, block, paint
Dimensions	483 (W) x 44.2 (H) X 259 (D) mm (19.02" X 1.74" X 10.18")
Included Accessories	4.18 kg (9.2 lbs.)
Optional Accessories	M-804EX, M-82210, M-800RC, M-802RC, M-800RCT, M-800RM

A&E specifications

The digital matrix mixer shall have 8 analog IN and 8 analog OUT, 4 digital IN (RD port) and 4 digital OUT (RD port). The device will include the following DSP functionalities: 5 band EQ, compressor, ducker, gain/phase, auto mixer, feedback compression, GATE and delay. It shall be managed by an intuitive system control via PC. The device shall have an LCD screen to display device information: name, firmware version, ID, current pre-set, and communication status. It shall have LED indicators for audio input, audio output and status. The device shall have a frequency response of 20 Hz â€" 20 kHz and phantom power of +48 VDC, switchable, Inputs 1 - 8. It shall be powered by 100 - 240 V AC, 50 / 60 Hz. The device size shall be 483 W x 44.2 H x 259 D mm (19.02" W x 1.74" H x 10.18" D). Weight shall be 4.2 kg and have a finish of Panel: Aluminium, black Case: Surface-treated steel plate, black, paint.The 8 x 8 Digital Matrix Mixer shall be TOA model M-8080D.