2023

DMX9008 Digital Matrix Mixer System

NEWS

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DMX9008

8 IN / 8 OUT Digital Matrix Mixer System

DMX90008 is an audio 8 IN x 8 OUT Digital Matrix Mixer, with its integrated hardware and software engineering, based on a one-processor, speeds up audio and data processing making it a real-time audio matrix system. It is ideal for announcement broadcasts, live music audio processing, and background music applications that require a high audio quality. The DMX9008 System it's suitable for shops and stores where different music is required on each floor, airports and stations where individual broadcasting is needed and malls, theme parks, places of worship, conference halls and everywhere independent subzones need to be grouped into one.



DMX9008

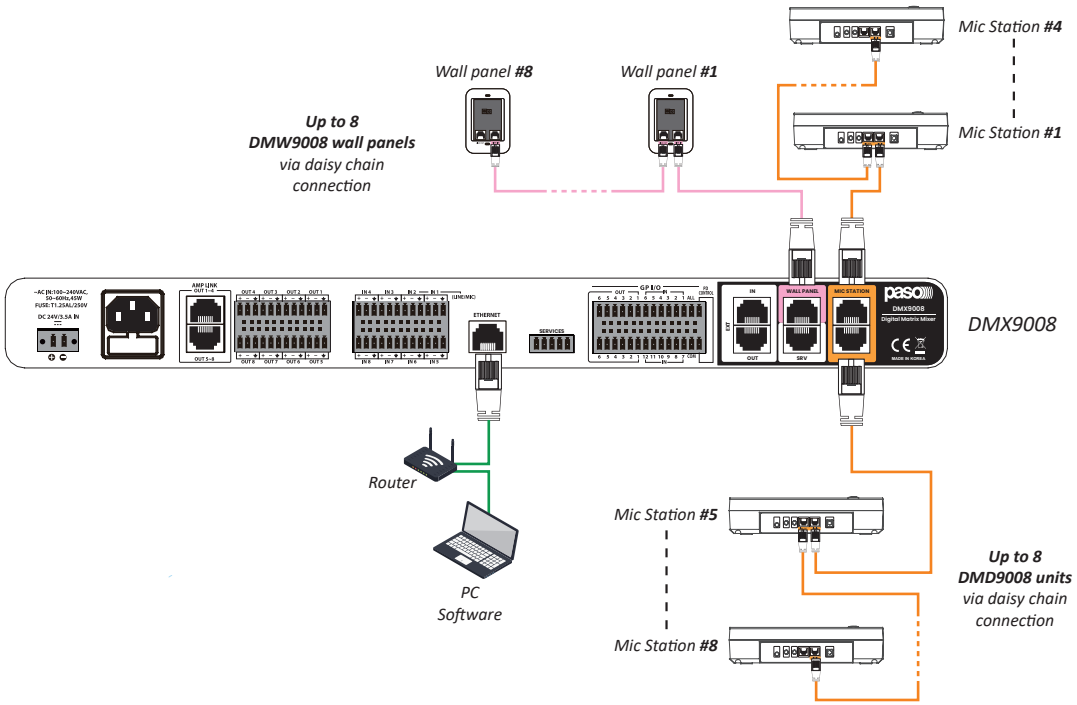


DMW9008 *DMD9008*

The DMX9008 System consists of three different types of products: **digital matrix mixer** (**DMX9008**), **microphone station** (**DMD9008**) and **wall panel** (DMW9008).



PASO Digital Matrix software (code SW-DMX9008) is the exclusive software for the DMX9008 system; it can be installed and used on PC. Operation, Schedule, DSP, Setup, GP I/O and Help is allowed; users can easily control and edit according to their own taste.



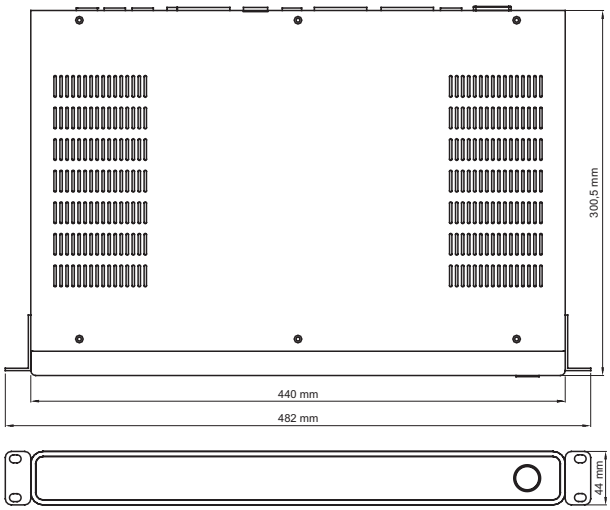
DMX9008 Digital Matrix Mixer System

DMX9008 • 8 IN / 8 OUT Digital Matrix Mixer System



- Fine-tuned audio DSP: Gain, Filter / EQ, Compressor, Delay.
- 24bit / 192kHz sampling rate to maximize the original sound.
- 114 dB dynamic range w/high resolving power, even at large output & S/N of more than 100 dB wi/low distortion rate.
- Software design for maximized user experience.
- Easy calendar schedule via software.
- Eight mic stations & eight wall panels in one line (POE).
- 48 Vcc Phantom power supply.
- Multiple simultaneous audio DSP processing and data processing.
- Power supply redundancy for a stable product operation, supporting both AC and DC 24V.
- 12 General Purpose inputs, 6 General Purpose outputs.
- Eco-friendly low power consumption, low power mode applied by standby function.

Model	DMX9008
Inputs	
Number of Inputs	8 balanced mic/line level
Connectors	3.5 mm terminal blocks
Impedance	> 10 kΩ
Input sensitivity	-10 dBV line / -55 dBV mic level (software selectable) wiith 16 dB of headroom
Maximum Input Level	+9.2 dBV (+11.4 dBu) @ THD 0.1%
Phantom Power	+48 VDC, which can be switched on/off
Outputs	
Number of outputs	8 balanced line level
Connectors	3.5 mm terminal blocks
Rated Output Level	0 dBV line level with 19 dB of headroom
Maximum Output Level	+19.4 dBV (+21.6 dBu)
Frequency Response	20 Hz to 20 kHz, ±1 dB
THD+Noise	< 0.01% @ 1 kHz
Crosstalk	> 80dB @ 1 kHz
S/N ratio	> 105 dB, at maximum output
Impedance	120 Ω balanced
Control	
Serial Host Control Port	1xRS485, 1xRS232, 3.5mm terminal block
Ethernet	10/100/1000 Mbps, 1xRJ45
EXT.	IN/OUT port for input/output extension (provision)
Dry Contact	12 Inputs, 6 Outputs
General information	
Power Supply	100÷240 VAC, 50/60Hz or +24 VDC
Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +60°C
Cooling	Convection with ventilation holes
Mounting	Stand-alone, 19"rack
Dimensions (W x H x D)	482 x 44 x 300.5 mm (1U)
Net weight	3.2 kg



DMD9008 • Microphone station

- Two levels of priority setting of the remote microphone.
- Connect up to 8 stations to the DMX9008 matrix mixer unit.
- 4 tone Chimes.
- Frontal XLR input.
- Rear AUX input.
- Operation functions: Power ON/OFF, ALL button, Talk/Volume button, 8 groups buttons (G1÷G8), 8 Preset buttons (P1÷P8), 16 output channels buttons (Z1÷Z16).

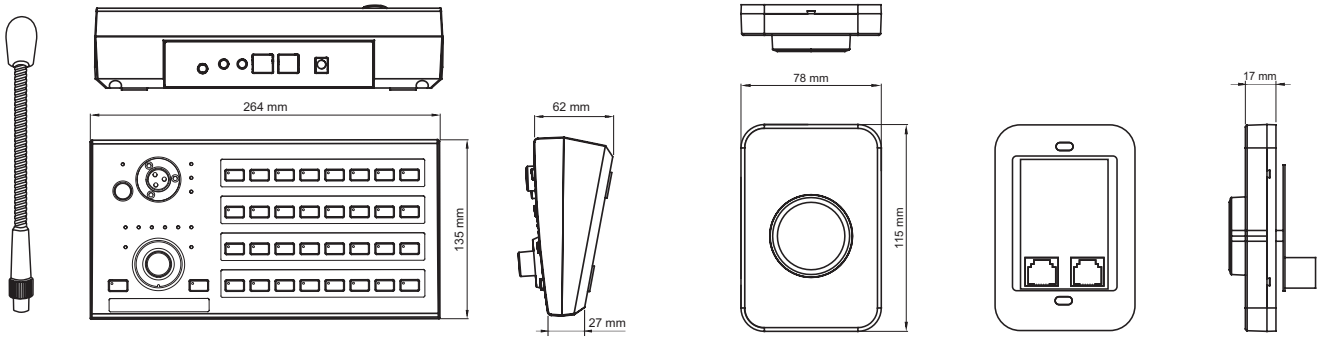


DMW9008 • Remote wall panel

- Frontal encoder switch.
- Connect up to 8 panels to the DMX9008 matrix mixer unit.
- LCD display for channel No. visualization.

Model	DMD9008
Rated Power	1.2V ± 200 mV (balanced)
Input Sensitivity/Impedance	MIC: -60 dB / 600 Ω (balanced) AUX: -10 dB / 10kΩ (unbalanced)
Frequency response (±3dB)	MIC: 100 Hz to 15 kHz AUX: 20 Hz to 20 kHz
T.H.D.	MIC: 0.5% AUX: 0.2%
S/N ratio	MIC: 50 dB AUX: 80 dB
Operating/Storage Temperature	-10°C to +40°C / -20°C to +60°C
General information	
Power Supply	24 VDC
Net Dimensions	264 x 135 x 62 mm
Net Weight	1020 g
Microphone information	
Type	Condenser Microphone
Directional Characteristics	Unidirectional Electret
Frequency response	30 Hz to 20 kHz
Output impedance	200 Ω
Sensitivity	-40 dB ± 2 dB (0dB = 1V/Pa @ 1 kHz)
Current consumption	Max. 0.5 mA
S/N ratio	67 dB

Model	DMW9008
Protocol	RS-485
Power Supply	24 VDC
Dimensions (W x H x D)	78 x 115 x 17 mm (Including KNOB and RJ45 terminals)
Net weight	110 g



DMX9008 Digital Matrix Mixer System

PASO S.p.A.
Via Settembrini, 34 - 20045 Lainate (MI) - ITALY
Phone: +39.02.58077.1
E-mail: info@paso.it
Web: www.paso.it | www.pasohelp.com

C.C.I.A. n. REA: MI- 853.303
C.F. - P. IVA n° 00930730155
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