MDM-A16M
MusiCall Music & Message

DATEQ *audio technologies*

Network DSP audio matrix

MDM-A16M   16x16 channels

ANALOG DEVICES

*ADI SHARC platform with semi-open architecture and tcp/ip ethernet support
*Integrated management of multiple devices
*Each channel has its own adaptive feedback suppression which can calibrate itself instantly
*Full-duplex Adaptive Echo Cancellation (AEC) and Active Noise Cancellation (ANS)
*Gain sharing Auto Mixer Control (AMC)
*Automatic Gain Control (AGC)
*Audio Ducker (Multiple)
*Ambient Noise Compensator (ANC)
*Full-featured audio mixing matrix (supports adjustable input level)
*Assignable UDP port number for central control, code guide available
*Works with (multiple) MDM-CON1 PoE wallpanels, programmable in software
*Built-in dual channel USB sound card can be used for recording, broadcasting and video conference
*Supports both PoE and DC (12V) power supply
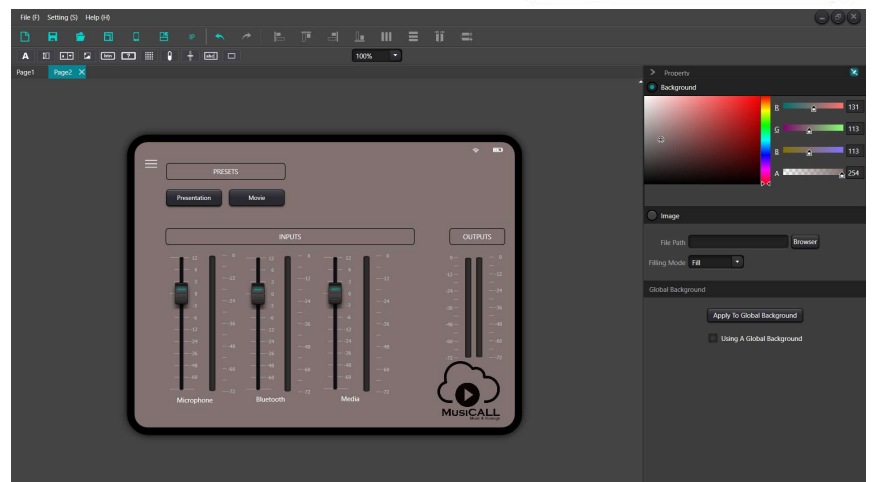*Supports Windows and Mac operating system

Software

The Windows and Mac software makes it easy to setup the DSP functions and the used controllers.

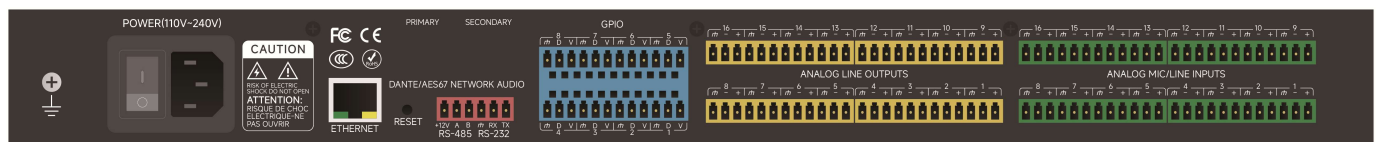Use the custom GUI designer to build your own layouts for Android tablets and iOS phones.

Network DSP audio matrix

Technical specifications
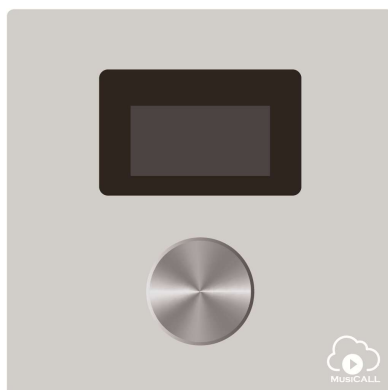
Processor	ADI SHARC 21489	Input dynamic range	113dB
Sampling rate/quantization bits	48K/24bit	Output dynamic range	113dB
Number of analog input and output channels	16x16	Channel isolation @1kHz	108dB
		Input impedance (balanced connection)	5.4KΩ
Input gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	Output impedance (balanced connection)	600Ω
		System delay	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response	±0.3dB(20~20kHz)	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG
THD+N	<−95dB @17dBu		

Accessories

MDM-CON1 is aPoE powered controller which communicates using UDP protocol. Fully configurable in the software, equipped with 1.31" OLED display. It offers various audio control capabilities such as volume adjustment, mixing, room combining and scene switching.

Control protocol	UDP	Power consumption	<100mW
Address setting method	TCP/IP	color	White
Signal line length	100 meters	Material	Aluminum alloy sandblasted
Power supply method	PoE	Connection port	RJ–45