



MDM-D4M

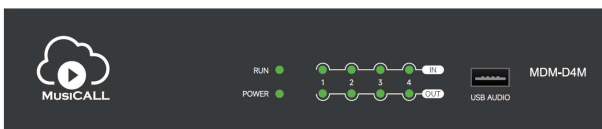
MusiCall Matrix



Network DSP audio matrix 9x9

MDM-D4M 4x4 Dante channels

- *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 Windows operating system
- *Can be powered by PoE or by supplied 12V DC power supply.
- *4x4 Analog IO, 4x4 Dante® IO + 1x1 USB IO for a total of 9 inputs and 9 outputs.
- *19" rack mount adapters included

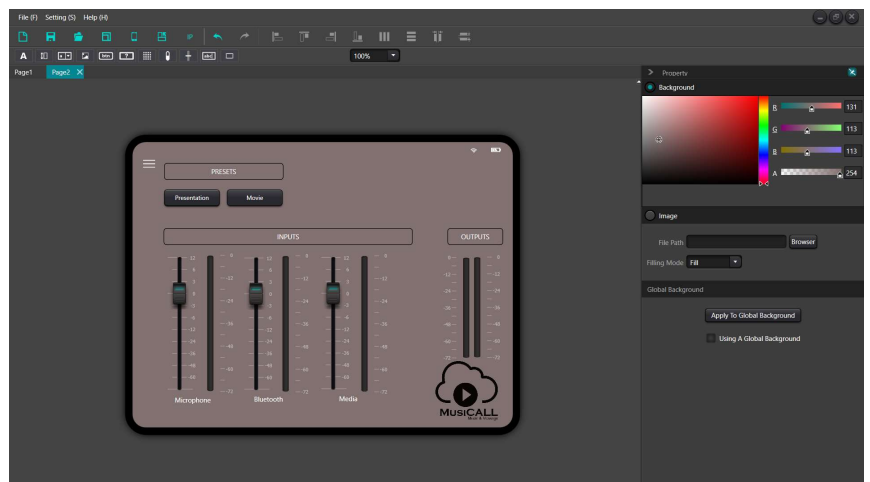


Software

The Windows 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.





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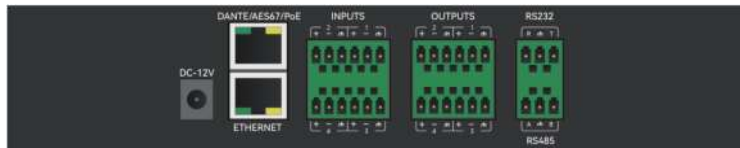
MusiCall Matrix



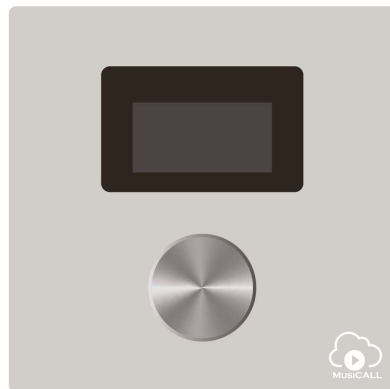
Network DSP audio matrix 9x9

Technical specifications

Processor	ADI SHARC 21489	THD+N	<-95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	4x4	Output dynamic range	113dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	4x4	Input impedance (balanced connection)	5.4KΩ
		Output impedance (balanced connection)	600Ω
Input gain	0/6/12/18/24/30/36/42/48dB	System delay	<3ms
Phantom power	+48V/10mA max	Working power supply	DC 12V or PoE 48V
Frequency response	±0.5dB(20~20kHz)	Dimensions (width x depth x height)	215x162x44mm
Maximum level	+18dBu	Shipping weight	2KG

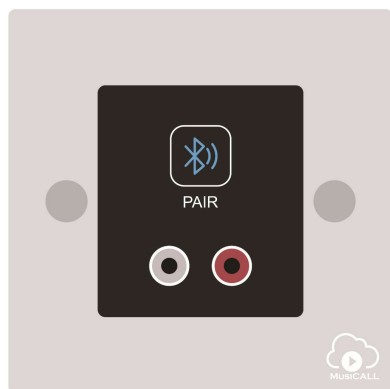


Accessories



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

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



MDM-BT is a wall panel that supports mutual conversion between Bluetooth signals or stereo signals and Dante/AES67 network digital signals, and the Bluetooth signal has priority. Connect with mobile phones, iPads and other devices through Bluetooth, the received audio is converted into the Dante® network.

The panel is powered by PoE, and a network cable is used for power supply and audio transmission.

You can control Bluetooth pairing and connecting devices with a touch button and display the connection status. Bluetooth name can be modified.

Bluetooth channel	2	Data bits	24bit
Dante channel	2	Power supply	Class1 802.3af PoE
Stereo channels	2	Device delay	<2ms
Sampling rate	48kHz		