

DMA Mini DSP Processor

AES67 Network to Analog I/O Adapter Series

Smart and Flexible AES67 Devices

The DMA DSP Processor allows you to use analog audio signals for input or output and seamlessly integrate into any AES67 network system anytime, anywhere. Whether it's a mixer, microphone, amplifier, or other analog audio sources, the DMA DSP processor can instantly transform them into network audio devices. The DMA also features customizable and powerful DSP functions, enabling lossless, ultra-low-latency audio transmission with support for up to 48kHz sample rates. It comes with built-in Hi-End grade ADC/DAC and supports 48V phantom power. Additionally, the entire DMA series supports OTA (Over-the-Air) upgrades, ensuring that its features stay up-to-date.

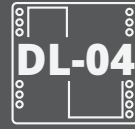
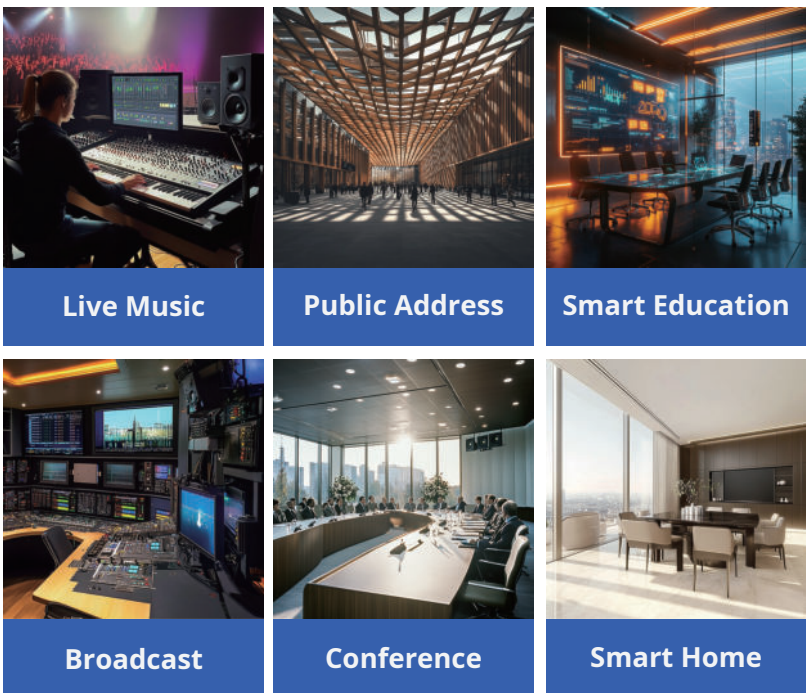
Built-in Rich DSP Functions

EQ: 16-Band	Delay: 2 Seconds	Compression	High-pass/Low-pass	FIR (512 Taps)
Limiter	Noise Gate	Signal Gen	Auto-Mixing (Threshold/Gain Sharing)	Ducker

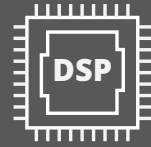
USB Plug-and-Play, No Drivers Required

The DMA24-USB Mini DSP Processor converts any computer into a network audio device, connecting it to an AES67 audio network and enabling use with any audio application for playback or recording. It is particularly suitable for conference rooms and speaking events. During meetings, you can set up a laptop as a simple interface node, allowing simultaneous recording and playback of up to 24 x 24 channels of audio from any PC, Mac, or Linux-based computer.

Applications



AES67 Module



Extensive DSP



Partner



DMA04-P 2x4 AES67 to Analog XLR

DMA04-D 4x2 Analog to AES67 XLR



DMA24-USB

24x24 USB to AES67



DMA-W22

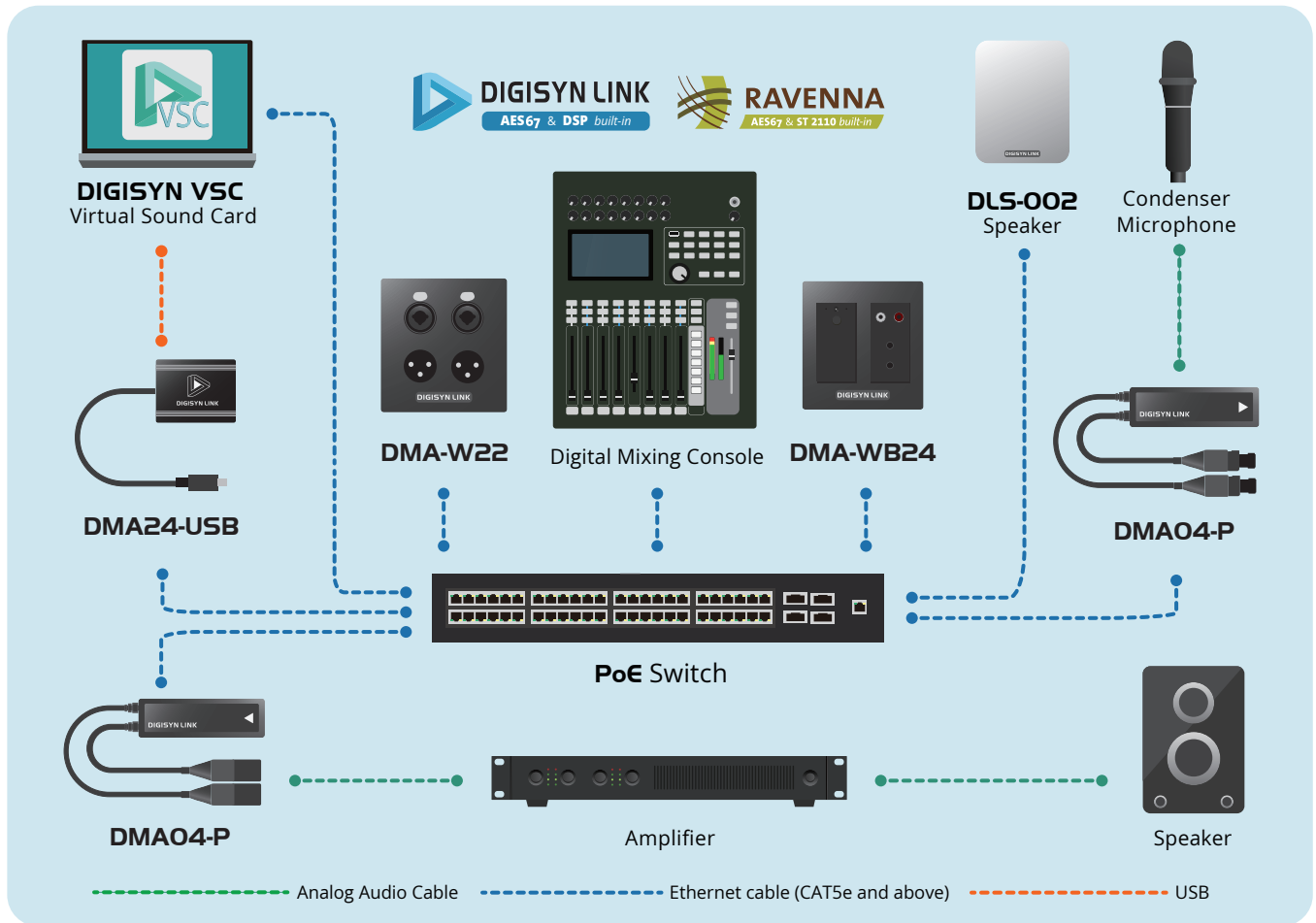
4x4 Analog to AES67 Wall Panel



DMA-WB24

4x2 bluetooth to AES67 Wall Panel

Topology Diagram



Technical Specifications

Product Model	DMAO4-P	DMAO4-D	DMA24-USB
Sample Rate	48 kHz	48 kHz	48 kHz
Bit Depth	24 bit	24 bit	24 bit
Maximum Signal Level	18dBu	18dBu	-
(Balanced)	20Hz-20kHz ±0.5dB	20Hz-20kHz,±0.5dB	
Frequency Response	18 dBu (Balanced)	18 dBu (Balanced)	-
Impedance	10kΩ (Unbalanced)		
Connector	RJ45 / XLR-F	RJ45 / XLR-M	RJ45 / USB
Dynamic Range	> 100dB	> 100dB	-
Signal-to-Noise Ratio (SNR)	> 100dB	> 100dB	
Number of Channels	2 x 0	0 x 2	24 x 24
PoE Power Supply	802.3af PoE	-	802.3af PoE / USB
Network Transmission	DIGISYN LINK / AES67 / RAVENNA		
Noise Floor	-90 dBu	-90dBu	-
Net Weight	0.2 kg	0.2 kg	0.2 kg