



DSP-AEC-1010-DA

AUDIO DSP WITH AEC, 4-IN/4-OUT ANALOG, 4-IN/4-OUT DANTE AND USB

The DSP-AEC-1010-DA is an audio signal processing unit with analog and Dante interface, as well as a USB for computer audio.

The unit is configured and controlled from a Windows application that presents an easy to use GUI. Powerful processing with eq, dynamics, mixing and matrix combined with advanced acoustic echo cancellation (AEC) makes this unit suitable for a wide range of use cases.

A single network cable connected to a PoE network switch allows for both power, control and Dante audio.

Analog audio inputs supports both microphone and line level sources. Phantom power is selectable individually for each channel.

USB connection to host computer works as a sound card for easy computer audio connectivity for both playback and recording.

SPECIFICATIONS

GENERAL

Sample rate/bit depth:	48kHz/24bit
Input Gain steps:	0/6/12/18/24/30/36/42/48dB
Phantom Power:	48V
Frequency Response:	±0.5dB (20Hz-20kHz)
Maximum Level:	+18dBu
THD + Noise:	0.003%@4dBu
Dynamic Range:	110dB
Background Noise:	-91dB (A-weighted)
Common Mode	
Rejection Ratio @60Hz:	80dB
Channel Isolation:	108dB (@1KHz)
Input Impedance:	5.6kΩ (Balanced Connection)
Output Impedance:	120Ω (Balanced Connection)
System latency:	<3ms
Power requirements:	PoE or 12V
Power adapter:	AC110~240V 5Hz-60Hz, 12V DC / 2A output
Dimensions (W x D x H):	215 x 162x 44 mm
Shipping Weight:	2 Kg

PACKAGE LIST

1 x DSP-AEC-1010-DA	1 x Power Adapter (12VDC, 1.5A)
2 x Mounting Brackets with 6 x Screws	2 x 3-Pin Terminal Block
1 x 1.5 m USB 2.0 cable (Type A / Type A)	4 x 6-Pin Terminal Block
1 x Screwdriver	1 x User Manual
4 x Rubber Feet	

KEY FEATURES

- 4 analog inputs and outputs
- 4 Dante inputs and outputs
- USB for computer audio playback and recording
- Powerful DSP processing with matrix and mixer
- Advanced AEC (Acoustic Echo Cancellation)
- External control from custom software or 3rd party control systems
- External control from configurable PoE wall panel
- Open API for external control via ethernet or RS-232/485

TIGHT POLICY

Faulty product - minimal down time.

Up until six months after purchase, TIGHT AV will replace your product in advance of return of faulty product.

Your investment - built to last.

All TIGHT AV products come with a five year limited warranty.

