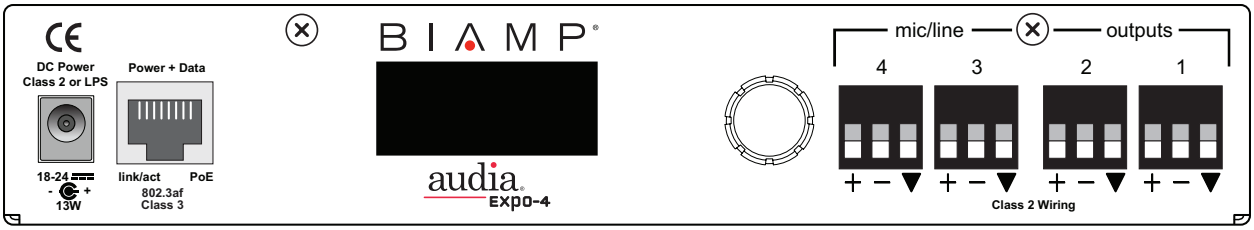
BIAMP®

RoHS Compliant EU 2002/95/EC

AudiaEXPO-4
Output Mini-Expander



AudiaEXPO-4 is an output expander for Audia®, the benchmark in digital audio systems for demanding professional sound installations. AudiaEXPO-4 accepts four channels of digital audio input via CobraNet® and provides four mic/line level analog audio outputs. AudiaEXPO-4 can simply add outputs to a centralized system, or it can extend system boundaries by providing outputs in remote locations. AudiaEXPO-4 can be powered locally from an external DC power supply or remotely via Power over Ethernet (PoE). AudiaEXPO-4's small size and mounting features make it easy to install near signal sinks to reduce noise pickup and cable lengths. AudiaEXPO-4 is represented as a block in Audia software, for easy inclusion into any system design. AudiaEXPO-4 may also be used to provide outputs from other CobraNet compliant systems or devices.

FEATURES

- 4 mic/line level analog outputs on plug-in barrier strips
- Front-panel output level control
- 24-bit D/A converters with 48kHz sample rate
- 4 channels of digital audio input via CobraNet
- Rotary encoder with LCD for programming/setup
- Included as block in Audia system design software
- May be used with any CobraNet compliant system
- Powered by PoE (Power-over-Ethernet) or external DC source
- **RoHS** compliance and **AES** grounding practices
- **CE** marked
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The Output Expander shall provide four analog audio outputs on front-panel plug-in barrier strip connectors. A front-panel level control shall be provided for adjustment of the analog audio output signal. Internal digital-to-analog signal conversion shall be 24-bit, with a sample rate of 48kHz. Four channels of digital audio inputs shall be provided via CobraNet on a front-panel RJ45 connector. A rotary encoder and LCD screen shall be provided on the front-panel for programming and setup. The Output Expander shall be powered by IEEE-standard 802.3af Power-over-Ethernet as a Class 3 device or from an external +18-24VDC @ 13W Class-III power source. The Output Expander shall be represented as a functional block within Audia software, for easy inclusion into system designs. The Output Expander shall also be capable of providing additional analog audio outputs to other CobraNet compliant systems or devices. The Output Expander shall be CE marked, shall incorporate AES48-2005 Grounding & EMC practices. The Output Expander shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years. The Output Expander shall be AudiaEXPO-4.

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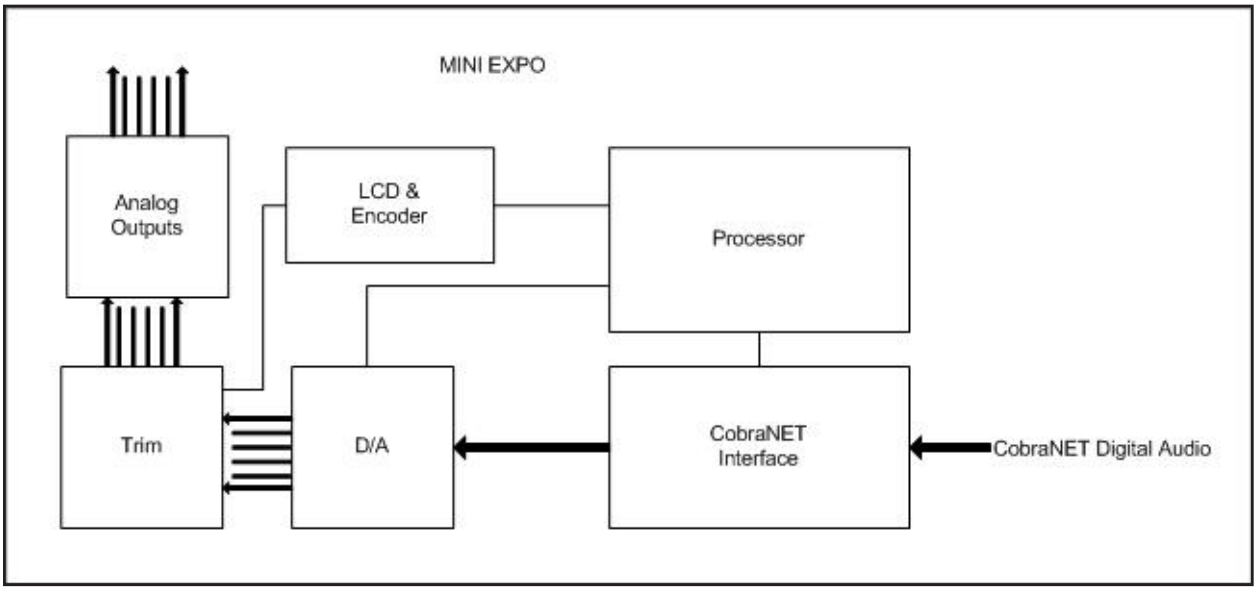
AudiaEXPO-4 SPECIFICATIONS

Frequency Response (20Hz-20kHz @ -20dBFS):	+0/-0.4dB
THD+N (20Hz-20kHz @ -20dBFS):	<0.006%
Dynamic Range:	110dB
Crosstalk (channel-to-channel @ 1kHz):	<-90dB
Output Impedance (balanced):	200 ohms
Maximum Output (balanced):	+23dBu
Output Gain Range (variable in 6dB steps):	-24 - 0dB, -55dB Mic Pad
D/A Converters:	24-bit (48kHz sampling)

Dimensions:	
height	1.5 inches (38mm)
width	8.5 inches (216mm)
depth	6 inches (152mm)
Weight:	3 lbs. (1.36kg)
Compliance:	AES48-2005 Grounding & EMC practices IEEE 803.3af PoE EU Directive 2002/95/EC, RoHS directive CE marked
Power Consumption:	< 13W
Power Supply:	IEEE 802.3af Power over Ethernet (Class 3 device) +18-24VDC @ 13W Class-III External Power Supply

AudiaEXPO-4 BLOCK DIAGRAM