



AudiaEXPO is an output expander for Audia®, the benchmark in digital audio systems for demanding professional sound installations. AudiaEXPO accepts eight channels of digital audio input via CobraNet® and provides eight line-level analog audio outputs. AudiaEXPO can simply add outputs to a centralized system, or it can extend system boundaries by providing outputs in remote locations. AudiaEXPO is represented as a block in Audia software, for easy inclusion into any system design. AudiaEXPO may also be used to provide outputs from other CobraNet compliant systems or devices.

FEATURES

- 8 channels of digital audio input via CobraNet
- 24-bit D/A converters with 48kHz sample rate
- 8 line-level analog outputs on plug-in barrier strips
- front panel adjustable analog output level controls
- rotary encoder with LCD for programming/setup
- logic inputs control CobraNet routing assignment
- included as block in Audia system design software
- may be used with any CobraNet compliant system
- **RoHS** compliance and **AES** grounding practices
- **CE** marked and **UL** listed power source
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The Output Expander shall provide eight channels of digital audio input via CobraNet®, on two rear panel RJ45 connectors. Internal digital-to-analog signal conversion shall be 24-bit, with a sample rate of 48kHz. Eight line-level analog audio outputs shall be provided on rear panel plug-in barrier strip connectors. Front panel level controls shall be provided for adjustment of the analog audio output signals. A rotary encoder and LCD screen shall be provided on the front panel for programming and setup. Logic Inputs shall be provided for remote control of CobraNet routing assignments.

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 from other CobraNet compliant systems or devices. The Output Expander shall be CE marked with a UL/C-UL listed power source, and 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.

AudiaEXPO SPECIFICATIONS

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|--|-------------------------|---|--|
| Frequency Response (20Hz~20kHz @ -20dBFS): | +0/-0.4dB | Power Consumption (115/230VAC 50/60Hz): | < 25 watts |
| THD+N (20Hz~20kHz @ -20dBFS): | < 0.006% | Dimensions: | |
| Dynamic Range: | 110dB | height | 1.75 inches (44.5mm) |
| Crosstalk (channel-to-channel @ 1kHz): | < -90dB | width | 19 inches (483mm) |
| Output Impedance (balanced): | 200 ohms | depth | 5.75 inches (146mm) |
| Maximum Output (balanced): | +24dBu | Weight: | 4.3 lbs. (2kg) |
| Output Gain Range (variable trim): | -70dB ~ 0dB | Compliance: | AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive CE marked UL listed power source |
| D/A Converters: | 24-bit (48kHz sampling) | | |

AudiaEXPO REAR PANEL DIAGRAM



AudiaEXPO BLOCK DIAGRAM

