



## AUBION X.8

### AD/DA Converter

#### OVERVIEW

AUBION X.8 is the first 8-input/2-output converter specifically designed for live sound and installed sound measurement. It provides four XLR/TRS combo mic/line connectors, 8 D-SUB 25 based line inputs and two TRS symmetrically-balanced outputs, and is fully integrated over Ethernet with both EASERA and EASERA SysTune Windows-based software packages. The X.8's eight input channels allow large systems, in particular line arrays, to be tuned with multiple simultaneous measurements with real-time display and control from both EASERA and SysTune. This feature is similarly useful for room-acoustic measurements at multiple locations. The unit itself is housed in a rugged half-rack case that allows either rack mounting or portable use.



Rear panel with connectors of AUBION X.8

#### CONNECTORS

Analog input:	4 x Female XLR/TRS Combo (4 x Mic/Line); D-SUB 25 TASCAM (8 x Line); all balanced
Analog output	2 x 1/4" Stereo Jack, balanced, DC-coupled signal path 1 x 1/4" stereo jack unbalanced (Headphone, $R \geq 16 \text{ Ohm}$ )
Digital input:	1 x S/PDIF Cinch (transformer coupled, 75R, AES/EBU compatible)
Digital output:	1 x S/PDIF Cinch (transformer coupled, 75R, AES/EBU compatible)
Network (PC audio & control interface)	2 x RJ45 10/100/1000BaseT, managed switch, simultaneous and synchronous transport of 8 x AD- (or 6 x AD and 2 x SPDIF-In) + 2 x DA-channels + 2 SPDIF-Out and control data

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## Technical Specification

- Dynamic range AD: 110 dB RMS unweighted
- THD+N AD: < 0.001%
- Crosstalk attenuation AD: > 110 dB
- Dynamic range DA: 110 dB RMS unweighted
- THD+N DA: < 0.001%
- Cross-talk attenuation DA: > 110 dB
- Input level Line @ 0 dBFS (Clip) +21 dBu, +12 dBu, +6 dBu, +3 dBu (i.e. 4 steps)
- Input level Mic @ 0dBFS (Clip) +9 dBu, -1 dBu, -2 dBu...-56 dBu (i.e. 57 steps)
- Output level Line @ 0dBFS (Clip) +21 dBu, +12 dBu, +6 dBu, +3 dBu (i.e. 4 steps)
- Sample frequency (fs ) internal: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
- Clock synchronization Internal master, external via S/PDIF In
- S/PDIF input data sample frequency: 28 kHz - 200 kHz
- Frequency response AD/DA, -0,1 dB: 20 Hz - 20 kHz @ fs = 48 kHz
- Power Supply: DC-Plug 24 V DC/ 20 W max., supplied by external mains power supply (EU, US and UK jacks available)
- Device control and display: Gain control and display for all analog channels; level display per channel (signal/clip); mute for outputs; status 48V phantom power for Mic-Ins
- PC Driver support: Windows XP, Vista, 7, ASIO 2.0 Multiclient
- Housing: 218 mm x 44 mm x 160 mm, 1.8 kg
- Scope of delivery: device, power supply (100-240V, 50-60 Hz), power cord, Windows driver CD

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### CONTACT US

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### ABOUT US

The products of DSPECIALISTS are distinguishable by the use of proven standard components. All products can be adapted to our clients' individual wishes. DSPECIALISTS offers anything from the development of customer-specific modules to complete systems. Aside from DSPs, we also make use of PC's, micro controllers and programmable logic.

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