



AUBION X.8

AD/DA Converter for Audio Measurement

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 Parameters

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

mass customization • state-of-the-art DSP technology • OEM delivery

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ABOUT US:

The products of DSPECIALISTS are marked by our use of tried and tested standard components. And they can be tailor-made to meet your individual requirements. The range of products and services provided by DSPECIALISTS includes customer-specific modules as well as complete systems. We use DSP's, PC's, micro controllers, and programmable logic in our development work.

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