

AxC-AX40 Overview

Just as any other card within the Audio ToolBox range, the AxC-AX40 can be equally used with either AVBx3 or AVBx7 platforms. This 4 channels high-end analog output AxC card with XLR connectors combines high-performance DA converter chips with an excellent circuit design in a format of one AxC card for high end audio professional applications.



Key Features

- 4 high quality balanced outputs with Dynamic range > 115 dB (A-weighted) and THD +N < -100 dB
- Professional XLR male connectors
- Remote management with AVSMonitor software through the EtherSound Network and dedicated control page for monitoring all the card's parameters
- Individual gain control of each output
- An internal smart design to reduce loud noises during start-up and cut-off, meeting the constraints of use for high power sound reinforcement systems
- A 0.5 dB step digital attenuation-gain from -115dB to +12dB and two hardware reference level pads of +10 dBu or +24 dBu, all fully controllable via software to enable fine tuning for addressing a large kind of applications in professional audio systems
- Attenuation-gain setting and vu-meter can be monitored and controlled individually per channel via network for a remote management from virtually anywhere

Mechanical Specifications

200 x 100 x 40 mm: AuviTran Audio ToolBox platform AxC card format

AxC-AX40 Applications

Up to two AxC-AX40 cards can be inserted in an AVBx3-ES100 for two kinds of application:

- Live applications (AVBx3 in Stage-box mode)
 - ◆ Live concerts and recording
 - ◆ Live broadcast studios and OB Vans
 - ◆ Recording studios...
- Fixed installations (AVBx3 in Installation mode)
 - ◆ Stadiums, concert halls
 - ◆ Theatres, bars, pubs discos

Audio ToolBox Platform Overview

Smart, expandable and sustainable: meet AuviTran's versatile and flexible platforms bringing convergence among network technologies and audio interfaces.

With two 19" rack chassis AVBx3 and AVBx7 both available in StageBox or Installation modes, plus 14 interface cards, build the configuration you need.

AVBx3 as Installation mode



AVBx7 as StageBox mode



AVS-Monitor Software control page



Technical Specifications

General

Size	200 mm x 100 mm x 40 mm – AuviTran Audio ToolBox platform cards format
Power Supply	+12V / +3.3V Through AuviTran Audio ToolBox backplane
Storage: Temp / Humidity	- 5°C to 70°C / 0% to 95% (non-condensing)
Oper.: Temp / Humidity	0 °C to 50°C / 5% to 90% (non-condensing)
Connectors	4 x male XLR connectors

Audio Outputs

Number of outputs	Up to 4 analog outputs routed through the AuviTran Audio ToolBox backplane from the other cards
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Audio Outputs Specifications

Sampling Frequency	44.1 kHz / 48 kHz / 88.2 kHz / 96 kHz
D/A resolution	24 bits
Frequency response	20Hz – 20kHz (±0.15dB)
Dynamic Range (BW 22KHz)	>115 dB A-weighted (> 112 dB un-weighted)
THD+N (1KHz / BW 22KHz)	< -100 dB
Output Specification	Servo-balanced on XLR connectors, <100Ω Output Impedance
Output level pad for OdBfs	+24dBu or +10dBu configurable by software via network
Output volume control	+10dB to -115dB with 0.5 dB step digital control by software via network with click and pop free management. Digital automatic mute @ zero-data with pop-free output mute
Output phase	Phase inversion configurable by software via network

Control and Monitoring Environment

Audio ToolBox platform	AxC-A4X0 is one the cards for the AuviTran Audio ToolBox platform
AVS-Monitor	AVS-Monitor enables to remotely set, control and monitor an EtherSound network and provides enhanced control pages to manage the AxC-A4X0 card specific parameters.
OS Supported	Windows Seven/Vista/XP for 32 or 64 bit versions

Part number

AxC-AX40	AuviTran Audio ToolBox 4 output card with XLR connectors
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