

AxC-AX4O

4 high quality XLR Output card for AuviTran Audio ToolBox

AxC-AX40 Overview

Just as any other card within the Audio ToolBox range, the AxC-AX4O 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</p>
- 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

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.



AUDIO TOOLBOX AVB/3	

AVBx7 as StageBox mode





Mechanical Specifications

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

AxC-AX4O Applications

Up to two AxC-AX4O 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

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AVS-Monitor Software control page

AVBx7	GP IN #1 OFF GP IN #2 OFF GP IN #3 OFF GP IN #3 OFF GP IN #4 OFF	Clock Source : Slot 1 AxC-DANTE Clock Status : Clock Status : LOCK SYNC	Name : IDENTIFY Rack option : IDENTIFY RACK SETUP SLOT SETUP	Matrix : L AUTO Power Supply : Main Aux	
AxC - DANTE	Slot 1-16 to DANTE 1-16 1 5 6 8 8 9 6 6 12 13 6 8 8 Slot 17-32 to DANTE 17-32 10 6 6 24 24 24 25 6 6 28 29 6 6 32	Slot 33-48 to DANTE 33-48 33 5 36 37 5 5 40 41 5 54 54 54 54 54 Slot 49-64 to DANTE 49-64 52 53 5 56 57 56 56 60 61 54 64	DANTE 1-16 to Slot 1-16 1 5 6 6 8 9 6 6 12 13 6 6 8 0 6 6 20 21 6 6 6 8 0 6 6 20 21 6 6 24 25 6 6 28 29 6 6 22	DANTE 33-48 to Stot 33-48 33 5 5 40 41 5 5 40 41 5 5 40 41 5 5 5 DANTE 49-64 to Slot 49-64 56 56 57 5 50 60 61 5 64	Slot 1
AxC - AX40	Output 1 Level(dBu) Gain (dB) 0 -3 -3 -12 -13 -14 -13 -30 0.0 -72	Output 2 Level(dBu) Gain (dB) +10 +24 M 0.0 -72	Output 3 Level(dBu) Gan (dB) +10 +24 M 0.0 -72		Slot 2

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
Audio Outputs Specificat	lions
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, <100 Ω 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 plop free management. Digital automatic mute @ zero-data with plop-free output mute
Output phase	Phase inversion configurable by software via network
Control and Monitoring B	Environment
Audio ToolBox platform	AxC-A4XO 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-A4XO card specific parameters.
OS Supported	Windows Seven/Vista/XP for 32 or 64 bit versions
Part number	
AxC-AX4O	AuviTran Audio ToolBox 4 output card with XLR connectors

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