

## AxC-AX40 interface card

### A high-end 4-channel analog output card for professional audio systems

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  
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

### AxC-AX40 Applications

Combined with other AuviTran Audio ToolBox cards, the AxC-AX40 card opens exciting possibilities to professional audio systems.

**Live applications** (AVBx3/7 in Stage-box mode): live concerts and recording, live broadcast studios and OB Vans, recording studios...

**Fixed installations** (AVBx3/7 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 20 interface cards, build the configuration you need.

**AVBx3** as Installation Mode



**AVBx7** as StageBox Mode



### AVS-Monitor Software Control Page



### Technical Specifications

#### General

##### Power Supply

+12V / +3.3V Through AuviTran Audio ToolBox backplane

##### Temp/Humidity

Storage: - 5°C to 70°C / 0% to 95% (non-condensing)  
 Operating: 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 inputs routed through the AuviTran Audio ToolBox backplane from the other cards

#### 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 0dBfs

+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 Environment

##### Audio ToolBox Platform

AxC-A4XO is one the cards for the AuviTran Audio ToolBox platform.

##### AVS-Monitor

AVS-Monitor is a free Windows software that allows for the remote control and monitoring of all AuviTran devices, including all the AxC cards, as well as some Digigram PCIe interfaces cards.

Note that the routing on each AoIP network must be configured from the appropriate applications (Dante Controller, Hive, Milan Manager, Anemann, etc.).

##### OS Supported

Windows 10/11

### Mechanical Specifications

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

### Part Number

#### AxC-AX40

AuviTran Audio ToolBox 4 output card with XLR connectors