

AxC-DX8I and AxC-DX8O overview

AxC-DX8I and AxC-DX8O cards provide AES/EBU digital inputs and outputs interfaces to the AuviTran Audio ToolBox platform.

AxC-DX8I features four stereo AES/EBU digital inputs on XLR connectors. All inputs can be individually used with on board high precision "SRC" (Sample Rate Converter) for solving multi sampling rate input frequencies and synchronisation issues.

AxC-DX8O features four stereo AES/EBU digital outputs on XLR connectors.

Combined with other AuviTran Audio ToolBox cards, the AxC-DX8I and AXC-DX8O cards open exciting possibilities to the professional audio systems:

- ◆ EtherSound – AES/EBU converter
- ◆ MADI – AES/EBU converter...



Audio ToolBox Platform Overview

AuviTran Audio ToolBox is a modular audio platform giving access to a large variety of professional audio networked configurations.

With a 19" rack chassis and many audio interface cards, you can build the configuration you need.

AVBx3 is the first AuviTran Audio ToolBox platform. It is a 19 inches rack (1U) chassis, providing three slots for AuviTran AxC interface cards.

The AVBx3 integrates an audio backplane and matrix connecting all inputs / outputs (physical and network).

Many AxC cards are available for answering to a wide range of applications.



Key features

- AxC-DX8I:
 - ◆ 4 stereo AES/EBU digital inputs
 - ◆ Female XLR connectors
 - ◆ High performance SRC for each input that can be set individually on/off
 - ◆ Clock synchronization on each AES input
- AxC-DX8O:
 - ◆ 4 stereo AES/EBU digital outputs
 - ◆ Male XLR connectors
- Remote management with ESMonitor software
- Dedicated control page for monitoring and controlling all the card parameters

Mechanical Specifications

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

AxC-DX8I and AxC-DX8O cards Applications

Up to two AxC-DX8I and/or AxC-DX8O 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

ESMonitor Software control page



Technical Specifications

General	
Size	200 mm x 100 mm x 40 mm – Format AuviTran Audio ToolBox platform cards
Power Supply	+12V / +3.3V Through AuviTran Audio ToolBox backplane
Storage: Temp / Humidity	- 5°C to 70°C / 0% to 95% (non-condensing)
Operating: Temp / Humidity	0 °C to 50°C / 5% to 90% (non-condensing)
Connectors	4 x male XLR connectors for the AxC-DX81 card 4x female XLR connectors for the AxC-DX80 card

AxC-DX80 - Audio Outputs	
Number of outputs	4 Stereo AES/EBU digital outputs routed through the AuviTran Audio ToolBox backplane from the other cards

AxC-DX80 - Audio Outputs Specifications	
Sampling Frequency	44.1 kHz / 48 kHz
Sampling resolution	24 bits
Output Impedance	110Ω
Output Specification	AES Transformer balanced on XLR Male connectors (RS422 Level)

AxC-DX81 Audio Inputs	
Number of inputs	4 Stereo AES/EBU digital inputs routed through the AuviTran Audio ToolBox backplane from the other cards

AxC-DX81 - Audio Inputs Specifications	
Sampling Frequency	44.1 kHz / 48 kHz
Sampling resolution	24 bits
Input Impedance	110Ω
Input Specification	AES Transformer balanced on XLR Female connectors
Clock Synchro Sources	All AES Inputs
SRC (Sample Rate Converter)	Asynchronous SRC available on each input (individually on / off)
SRC Specifications	-140dB THD+N / Frequency Range 8 kHz - 192 kHz

Control and Monitoring Environment	
Audio ToolBox platform	AxC-DX81 and AxC-DX80 are two cards for the AuviTran Audio ToolBox platform
AVS-ESMonitor	AVS-ESMonitor enables to remotely set, control and monitor an EtherSound network and provides enhanced control pages to manage the AxC-DX81 and AxC-DX80 cards specific parameters.
OS Supported	Windows Seven/Vista/XP for 32 or 64 bit versions

Part numbers

- AxC-DX81** AuviTran Audio ToolBox card with 4 AES/EBU stereo inputs on XLR connectors
- AxC-DX80** AuviTran Audio ToolBox card with 4 AES/EBU stereo outputs on XLR connectors