

AuviTran Audio ToolBox overview

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

With a seven slots 2U-19inch rack unit and several audio interface cards, you can build the configuration you need:

- Dante interface
- EtherSound interface and ASIO interface
- MADI interface
- Cobranet interface
- High quality analog inputs or outputs on XLR connectors
- High quality analog inputs and outputs on Euroblock connectors
- High quality mic preamp inputs with control via EtherSound or Dante
- AES/EBU inputs or outputs on XLR connectors
- High density AES/EBU inputs and outputs
- GPI/GPO interface

Key features

- AuviTran Audio ToolBox platform 19" rack (2 U) chassis, providing up to seven slots for AuviTran AxC interface cards, with an audio backplane connecting all inputs / outputs (physical and network)
- High performance and flexible audio backplane: Up to 2x64 audio channels per slot, on each of the 7 slots.
- Advanced matrix possibilities of 512 x 512 channels
- 4 smart configurable GPIO for powerful interactions with security application. They can also be set individually as ADC Input for local/remote fader or level control.
- AVBx3-Dante is the Audio ToolBox platform equipped with one Dante card:
 - ◆ Two EtherCon connectors (Primary / Secondary) for connection in switch or redundant mode
 - ◆ Two Ethernet connectors (port 3 and port 4) which can be used as integrated Gigabit switch ports
- Remote management with AVS-Monitor software
- HA Remote as Rio by CL console or Audinate MY16AUD
- Dedicated control page for monitoring and controlling all the chassis and inserted cards parameters
- Direct recording /playback from PC/Mac using Audinate Dante Virtual Sound Card (optional license)



Mechanical Specifications

483 x 253x 88 mm (19" rack, 2 U height)

Dante™ Audinate's Dante technology provides high performance digital media networking that meets the quality and performance requirements of professional audio market. Dante is built on Internet Protocols, not on Ethernet level.

Because it uses standard IP over Ethernet, Dante is capable of running on inexpensive off-the-shelf computer networking hardware, and with use of standard QoS, can share installed networks with other data and computing traffic.

Dante provides sample-accurate synchronization and can deliver the very low latency required by professional audio. Dante's network-centric, audio independent approach to synchronization allows synchronized playout across different audio channels, devices and networks, even over multiple switch hops.

Configurations examples

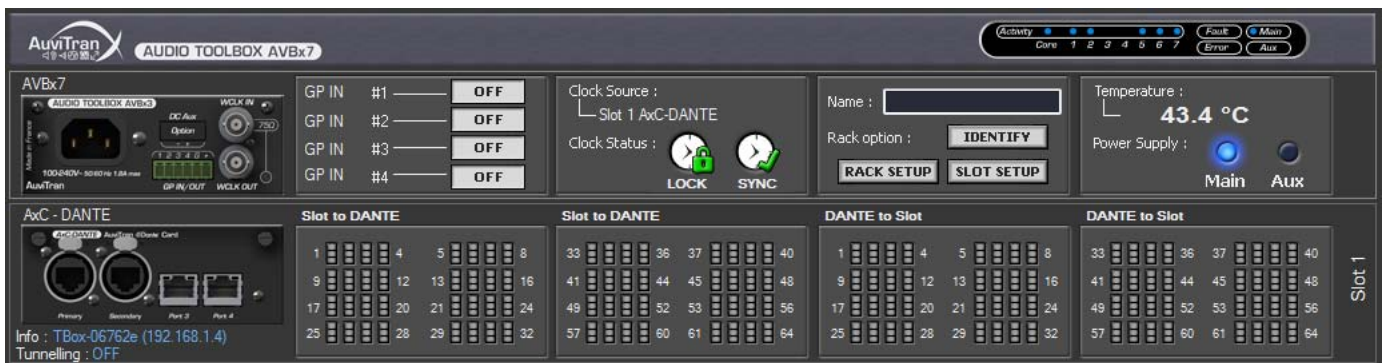
Live applications (stage-box mode)



Build the configuration you need:

- ◆ Define the number of mic/line inputs and outputs that you want
- ◆ Define if you want also AES/EBU inputs and outputs; GPI/GPO (e.g. to trigger events in broadcast applications)
- ◆ Bridge and dynamically patch the Dante / EtherSound / MADI / Cobranet with AVS-Monitor
- ◆ Patch internally the audio IO of the cards between them as you want using the full 512x512 channel full matrix or let the automatic audio patch applies by default

AVS-Monitor Software control page



Technical Specifications

AVBx7: 7 slots AuviTran Audio ToolBox 2Ux19" rack

Size	483 x 253x 88 mm (19" rack, 2 U height)
Slots and Matrix	7 slots of up to 2x64 channels connected to a full matrix of 512 x 512 channels. One slot used by the EtherSound card and six slots available for audio inputs/outputs
Main Power Supply	100-240 VAC – Maximum 110 W
Auxiliary Power Supply	Available in option
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)
Front panel	Power Main/ Aux – Fault / Error / Ready – Networks and links Rx and Tx Activities - Events
Rear panel	1xIEC power inlet for main AC power supply / 7 x slots for AxC interface cards / 2x BNC for Word clock / 1x6 pole Euroblock connector for GPIO
GPIO	4 configurable GPIO. Can be set as 4xADC 8 bits 0-12V level input for fader control or level trigger detections

AxC-Dante: Dante card for the AuviTran Audio ToolBox platform

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	2 x Neutrik EtherCon RJ45-XLR female connectors 2 x RJ45 connectors
Dante Operation modes	Switch – Integrated Gigabit switch Redundant with Primary and Secondary ports, replicated on ports 3 and 4
Audio Outputs	Up to 64 channels
Audio Inputs	Up to 64 channels
HA Remote modes	Yamaha Rio CL console / Audinate MY16AUD
Sample format	24 bit
Sample rate	44.1 kHz and 48kHz; 96kHz ready
Synchronization	Automatic from Dante network

Control and monitoring Environment

AVS-Monitor	AVS-Monitor enables to remotely set, control and monitor a Dante or EtherSound network and provides enhanced control pages to manage the specific parameters of cards inserted in the different slots
Audinate Dante Controller	For audio patch of any Dante device, and additional features: multicast/unicast; redundant mode or switch mode...
Audinate Dante Virtual Sound Card	The optional Dante Virtual Soundcard software allows your PC/Mac to connect to a Dante audio network. Note: a license purchase is required (see Audinate web site)

Part number

AVBx7-Dante	AuviTran Audio ToolBox 2U rack-unit equipped with one Dante card (6 slots available for other cards)
AVBx7-12VKIT	Kit "12V-DC" for using a 12V redundant auxiliary supply

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