

# Dante AVIO™

NETWORK EVERYTHING



## Network all your audio gear easily and cost-effectively with Dante AVIO™

Dante AVIO Adapters let you use all your legacy audio gear with any Dante-connected system, delivering the interoperability, performance and scalability that only networking can bring. Cost effective, compact and built for the road, Dante AVIO adapters bring the modern network connectivity that every audio pro needs in their toolbox.

Dante AVIO adapters are available for 3 popular types of audio I/O: Analog, AES3 and USB.

### Plug & Play

Each Dante AVIO adapter is a complete, high-performance Dante device, delivering all the automation and ease of use that have made Dante the most popular audio networking solution worldwide.

Dante AVIO adapters are automatically discovered and ready to use when connected, and no separate power supplies are required – just use a common PoE (Power over Ethernet) switch and Dante AVIO adapters are ready to go. The USB adapter can also be powered via USB.

### Built for the Road

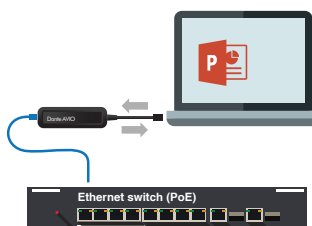
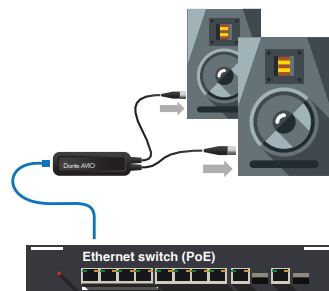
We've made Dante AVIO adapters road-ready and tour-tough. Sonically-welded polycarbonate enclosures and quality hardware are used throughout, while cable assemblies are stress-tested to ensure reliable operation under grueling conditions. Toss them in your toolbox, show after show.

### All Dante

Dante AVIO adapters are all fully-functional Dante interfaces, with all the features you'd expect from Dante audio networking. Each one delivers bit-perfect audio reproduction, super-low latency and sample-accurate synchronization across the entire network.

All Dante devices automatically discover one another, and the entire system is managed by our easy-to-use Dante Controller software on any connected PC or Mac. Most importantly, every Dante device can connect to every other Dante device – no questions asked.

All Dante AVIO adapters are fully compatible with Dante Domain Manager (DDM) for IT-level security and management. AES67 is supported for connection to non-Dante networks.



## EXAMPLE USE CASES

### Analog Input

- ▶ Connect legacy mixers and consoles to a Dante network
- ▶ Patch favorite DSPs, analog compressors and equalizers into a Dante system using a combination of Input and Output adapters
- ▶ Connect stage DI boxes and keyboard instruments directly to a Dante network
- ▶ Connect your wireless mic receiver to a Dante network

### Analog Output

- ▶ Connect analog powered speakers to your Dante audio network
- ▶ Send audio to analog power amplifiers over a Dante audio network
- ▶ Create easy drop-points for connecting cry rooms and overflow areas to a Dante network
- ▶ Connect non-networked hearing aid loop amplifiers to your Dante audio network

### AES3

- ▶ Interface with SDI video systems using AES3 audio
- ▶ Put your AES3-compatible amplifiers and powered speakers on your Dante audio network
- ▶ Connect AES3-compatible DSPs to a Dante network
- ▶ Connect AES3-compatible microphone preamplifiers to a Dante network

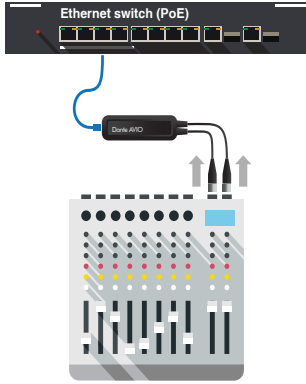
### USB

- ▶ Easy audio drop-point for laptops in conference settings, no need to reconfigure your Dante network for different computers
- ▶ Record and playout 2-channel audio simultaneously from any PC, Mac or a Linux-based computer with no additional software
- ▶ Connect mobile devices to a Dante network with appropriate USB adapters\*

\* Powered or unpowered Lightning to USB Camera Adapter for iOS devices, and USB On-the-Go (OTG) compliant adapter for Android devices

## Cost-effective

We've worked hard to make the Dante AVIO family of products a cost-effective addition to any system or piece of gear, so that everyone can enjoy the benefits of Dante. Audio networking has never been easier or more affordable, no matter how you choose to use it.



## Dante AVIO Analog Input & Output

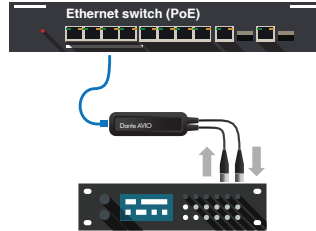
Dante AVIO Analog Adapters allow you to use the audio gear you already own with your Dante network. Don't abandon trusted compressors, equalizers or analog power amplifiers - adapt them to the world of audio networking with Dante AVIO.

Dante AVIO Analog Adapters are available as balanced line-level single or dual-channel input or output adapters, with high-quality XLR connectors. Use the Analog Dante AVIO Adapters to add Dante networking to analog amplifiers, powered loudspeakers, signal processors, music players or any other analog audio device, for hum-free digital signal distribution throughout your audio network.

## Dante AVIO AES3

The Dante AVIO AES3/EBU Adapter supports 2x2 channels, with high-quality XLR input and output

connectors and built-in asynchronous sample rate conversion. Use the AES3 Dante AVIO Adapters to add Dante networking to amplifiers, speaker processors, mixing consoles, video systems and more.



## Dante AVIO USB

The Dante AVIO USB Adapter supports 2x2 channels and is perfect for BYOD (Bring Your Own Device) applications in installed audio systems such as conference rooms. Dante AVIO USB is a class-compliant USB 2.0 audio device, so no drivers or additional software is required on Windows, macOS or Linux.

Feature Matrix	Analog Input 1 Ch	Analog Input 2 Ch	Analog Output 1 Ch	Analog Output 2 Ch	AES3 I/O 2 In 2 Out	USB I/O 2 In 2 Out
Max signal level (Balanced)*	<b>+24dBu</b> / +4dBu / 0dBu 0dBV / -10dBV		+18dBu / <b>+4dBu</b> / 0dBu 0dBV / -10dBV		-	-
Frequency Response	20Hz to 20kHz (±0.5dB)		20Hz to 20kHz (±0.5dB)		-	-
Impedance	20k Ohm balanced 10k Ohm unbalanced		150 Ohm balanced 75 Ohm unbalanced		110 Ohm Balanced	-
Dynamic Range	> 100dB		> 100dB		-	-
Signal to Noise Ratio	> 100dB		> 100dB		> 135dB	-
Total Harmonic Distortion	< 0.01% at +4dBu		< 0.01% at +4dBu		-	-
Connectors	RJ45 1 XLR-F	RJ45 2 XLR-F	RJ45 1 XLR-M	RJ45 2 XLR-M	RJ45 1 XLR-M 1 XLR-F	RJ45 USB Type A
Power	Class 1 802.3af PoE					PoE & USB
Asynchronous Sample Rate Conversion	-	-	-	-	Yes	-
Sample Rates	44.1, 48, 88.2, 96 kHz					48 kHz
Bit Depth	24					
Dante Device Latency	1, 2, or 5ms (configurable via Dante Controller)					
Network Transport	Dante Audio over IP AES67 RTP					
USB	-	-	-	-	-	Class Compliant USB 2.0 device
Part Number	ADP-DAI-AU-1X0	ADP-DAI-AU-2X0	ADP-DAO-AU-0X1	ADP-DAO-AU-0X2	ADP-AES3-AU-2X2	ADP-USB-AU-2X2

\* Values in bold are default settings, which can be changed in Dante Controller

**Note:** All information within this document is subject to change without notice.

www.audinate.com

# Audinate

MEDIA NETWORKING TECHNOLOGY

## FEATURES

- ▶ Plug & play operation
- ▶ Built for the road
- ▶ Sample rates up to 96 kHz (48 kHz for USB)
- ▶ Excellent dynamic range, SNR and THD performance
- ▶ Configurable gain / attenuation (analog input and output models only)
- ▶ Asynchronous Sample Rate Conversion (AES3 model only)
- ▶ Dante Audio over IP and AES67 RTP transport formats
- ▶ Power over Ethernet (PoE) support
- ▶ Dante Domain Manager ready

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