

Amphe-Dante Adapters

Amphe-Dante are Dante™ audio to analogue audio adapters, available for Input, Output, AES3 and USB applications. Featuring premium quality Amphenol AX series XLR and RJ45 connectors in a robust molded housing.

Amphe-Dante products enable simple connection of analogue equipment to a Dante network and can receive and transmit audio channels from a Dante network and provide studio-quality, low-latency audio via XLR connectors to and from analogue audio equipment.



Amphe-Dante feature high-quality digital-to-analogue converters, and support a range of sample rates and bit depths. They can provide a hardware master clock for a Dante network. As with other Dante products, the freely available Dante Controller software application is used to automatically discover and configure Amphe-Dante devices connected to the Dante network. Device names, channel labels, signal routing and other parameters (for example, sample rate and latency) can be configured via the network using Dante Controller. A variety of network and clock synchronisation diagnostic tools are also available in Dante Controller.

Amphe-Dante products use Power over Ethernet (PoE). Power can be provided through the Ethernet cable from a PoE-capable network switch, or from a separate PoE injector.

Available Software Options (required)

Dante Controller

Dante Controller is a free software application that enables you to route audio and configure devices on a Dante network. As well as automatic device discovery, one-click signal routing and user-editable device and channel labels, Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability stats, multicast bandwidth usage, and customized event logging, enabling you to quickly identify and resolve any potential network issues.

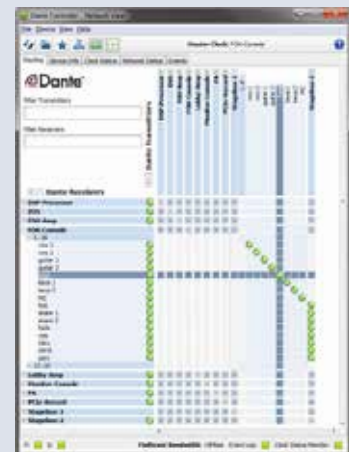
Dante Via

Dante Via is powerful and easy-to-use software that delivers unprecedented routing of computer-based audio, allowing a wide range of applications and devices to be networked and interconnected, easily and inexpensively. Dante Via network-enables locally-connected USB and Firewire devices, and a huge range of software applications, allowing you to route computer-based audio across an existing Dante network, and create standalone Dante networks without dedicated Dante hardware.

Dante Virtual Soundcard

Dante Virtual Soundcard turns your computer into a Dante-powered workstation, seamlessly integrating your PC or Mac with Dante audio devices on your network. You can instantly connect to a Dante network to record, process and playout using any audio application and any combination of Dante-enabled devices.

Dante Controller



All software can be purchased and downloaded at amphenolaudio.com/products/dante

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Data Connectors

Amphe-Dante Adapters



Features:

- Dante™ to analogue XLR output adapters
- Line level analogue input to Dante™ audio output adapters
- Dante™ AES3 2 channel input/output adapters
- Dante™ USB input/output adapters
- One channel or Two channel analogue input or output
- Durable overmolded housing
- Resilient cable strain relief
- Shielded RJ45 metal connectors with integrated LED's
- Premium AX Series XLR connectors

| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | PART NUMBER |
|------------------------|---------|---------------------------|--|--------------|
| ANALOGUE OUTPUT | | | | |
| | | | Analogue Output - 1 channel, RJ45 input to XLR output, Durable overmolded housing | RJD1112-0050 |
| | | | Analogue Output - 2 channel, RJ45 input to XLR output, Durable overmolded housing | RJD1212-0050 |
| ANALOGUE INPUT | | | | |
| | | | Analogue line level Input - 1 channel XLR input to RJ45 output, Durable overmolded housing | RJD2103-0050 |
| | | | Analogue line level Input - 2 channel XLR input to RJ45 output, Durable overmolded housing | RJD2203-0050 |
| AES3 | | | | |
| | | | AES3 Input / Output - 2 channel XLR I/O to RJ45 I/O, Durable overmolded housing | RJD32A3-0050 |
| USB | | | | |
| | | | USB Input / Output - 2 channel USB I/O to RJ45 I/O, Durable overmolded housing | RJD32U1-0050 |

SPECIFICATIONS

| | | ANALOG INPUT 1CH | ANALOG INPUT 2CH | ANALOG OUTPUT 1CH | ANALOG OUTPUT 2CH | AES3 I/O 2 IN 2 OUT | USB I/O 2 IN 2 OUT | |
|-------------------------------|-------------------------------------|--|------------------|---------------------------------------|-------------------|---------------------|--------------------|------------|
| GENERAL | Connectors | 1 XLR-F | 2 XLR-F | RJ45 | RJ45 | RJ45 | RJ45 | |
| | | RJ45 | RJ45 | 1 XLR-M | 2 XLR-M | 1 XLR-M, 1 XLR-F | USB 2.0 Type A | |
| ELECTRICAL | Power Consumption | < 2 Watt | | | | | | |
| | Power over Ethernet (Required) | Class 1 IEEE 802.3af POE PD compliant | | | | | | PoE or USB |
| ANALOG / DIGITAL AUDIO | Max Signal Level (Balanced) | +24dBu / +4dBu / 0dBu / 0dBV / -10dBV | | +18dBu / +4dBu / 0dBu / 0dBV / -10dBV | | - | - | |
| | Impedance | 20k Ohm balanced 10k Ohm unbalanced | | 150 Ohm balanced 75 Ohm unbalanced | | 110 Ohm balanced | - | |
| | Frequency Response | 20Hz to 20 kHz (+/-0.5db) | | 20Hz to 20 kHz (+/-0.5db) | | - | - | |
| | Dynamic Range | > 100dB | | > 100dB | | - | - | |
| | Signal to Noise | > 100dB | | > 100dB | | > 135dB | - | |
| | Total Harmonic Distortion | < 0.01% at +4dBu | | < 0.01% at +4dBu | | - | - | |
| | Channel Separation | N/A | > 100 dB | N/A | > 100 dB | | - | |
| | Channel Matching | N/A | < 0.25 dB | N/A | < 0.25 dB | | - | |
| DANTE® AUDIO | Asynchronous Sample Rate Conversion | - | | - | | Yes | - | |
| | Sample Rate | 44.1 kHz, 48 kHz (default), and 96 kHz | | | | | | 48 kHz |
| | Bit Depth | 24 bits | | | | | | |
| | Network Speed | 100 Mbps | | | | | | |
| | Network Interface | Latency from 1ms | | | | | | |
| | Network Transport | Dante Audio over IP, AES67 RTP | | | | | | |
| CLIMATIC | Protection Class | IP40 | | | | | | |
| | Operating Temperature | -5°C to +60°C (23°F to +140°F) | | | | | | |
| MECHANICAL | Insertion and Withdrawal Force | ≥10N - ≤35N | | | | | | |
| | Weight | 136g (0.299lb) | 192g (0.423lb) | 136g (0.299lb) | 192g (0.423lb) | 192g (0.423lb) | 110g (0.243lb) | |
| MATERIALS | Housing | PVC 60P Black | | | | | | |

Rev 4 - 09/2018

LED STATUS

LEFT LED RIGHT LED



| FUNCTION | LEFT LED | RIGHT LED | COMMENT |
|-----------------------|---------------------------|---------------------------|--|
| Off | OFF | OFF | No Power |
| Device is booting | Solid GREEN | Solid RED | |
| Slave with sync | Blinking GREEN | Solid GREEN | Normal operation |
| Clock Master | Blinking GREEN | Blinking GREEN | Normal operation |
| Any runtime error | Blinking GREEN | Blinking RED | Normal operation |
| Identify | Alternating RED and GREEN | Alternating RED and GREEN | Blinking for 6 seconds (cycle every 0.5 seconds) |
| Failsafe (bootloader) | Blinking RED | Blinking RED | Failsafe, Corrupt Capability (red in DC) |
| Upgrade (bootloader) | Blinking ORANGE | Blinking ORANGE | Device is upgrading |