

2-Channel Analog Audio Input to Dante/AES67 Output Adapter

CON-ANLG-DNT

WyreStorm® Quickstart Guide

💡 WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



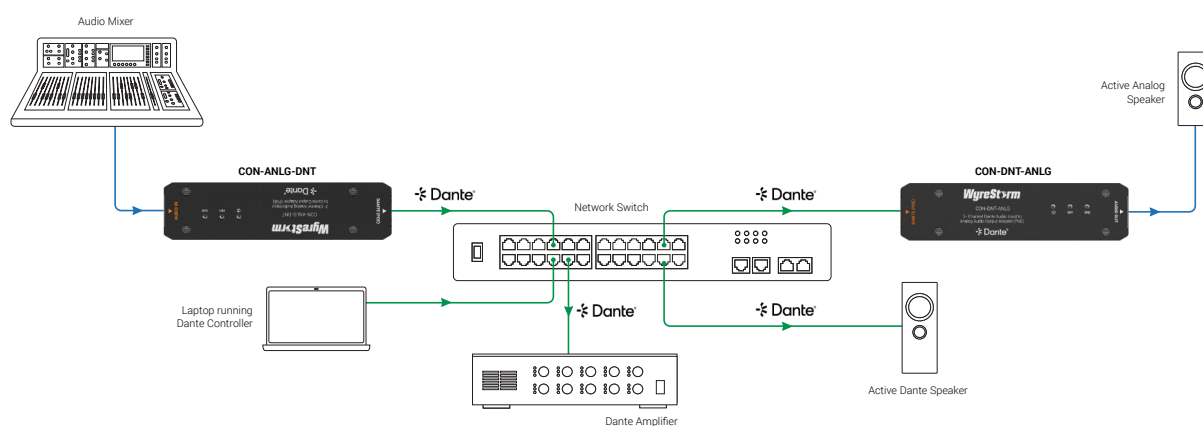
⚠️ IMPORTANT! Installation Requirements

- Visit the product page to download the latest firmware, document version, additional documentation, and configuration tools.

In the Box

- 1 x CON-ANLG-DNT
- 2x Mounting Ears
- 1x Documentation QR Card

Basic Wiring Diagram





A Power LED	Indicates the power status of the device On: The device is powered on Off: The device is powered off	
B CH1 (LED)	Indicates the audio signal status of channel 1 On/Blinking: Audio is active and being transmitted through channel 1 Off: No audio is currently transmitted through channel 1	
C CH2 (LED)	Indicates the audio input status of channel 2 Same as CH1 LED	
D Audio In	Connect to analog audio sources for audio input on CH1 and CH2. Pinout (left to right): CH1: + / - (audio input, channel 1) CH2: - / + (audio input, channel 2) G: Shared ground between CH1 and CH2 Note: Ensure that the input signal level does not exceed the sensitivity setting of the corresponding channel to avoid clipping or distortion,	Level switch for channel 1. Select the analog output level to match the input level requirements of connected audio equipment. Level Setting: -10dBv / +4dBu (Default) / +20dBu Note: - Ensure that the output signal level does not exceed the maximum input level of the connected audio equipment. Excessive output levels may damage the connected equipment. - Set the output level before connecting audio equipment to avoid overload or unexpected signal levels.
E Power	Connect to a 5V DC power source via the USB-C port.	
F CH1 Level		
G CH2 Level		Level switch for channel 2. Same function as CH1 Level switch.
H Dante (PoE)		Connect to a Dante-enabled Ethernet switch for audio streaming over a Dante network. This port also supports PoE power input. Note: Use Dante Controller to route the audio channels from this device to other Dante-enabled devices.

Note: The device can be powered by either the USB-C 5V DC input or via a PoE switch through the Dante (PoE) port. When both power sources are connected, PoE takes priority.

Wiring and Connections

WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the switcher. Read through this section in its entirety before running or terminating any wires to ensure proper operation and to avoid damaging the equipment.



IMPORTANT! Wiring Guidelines

- The use of patch panels, wall plates, cable extenders, kinks in cables, and electrical or environmental interference will have an adverse effect on signal transmission which may limit performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.

Audio Routing via Dante Controller

Audio routing in a Dante network is configured using Dante Controller, a free software application provided by Audinate.

Routing Dante Audio

1. Download and install Dante Controller from the Audinate website.
2. Connect this device and other Dante-enabled devices to the same network.
3. Launch Dante Controller on a computer connected to the network.
4. In the routing matrix, assign the transmit channels of this device to the receive channels of the destination device.

Once routing is configured, audio signals from the selected Dante source will be received by this device and converted to analog output.

Dante Controller can be downloaded from:

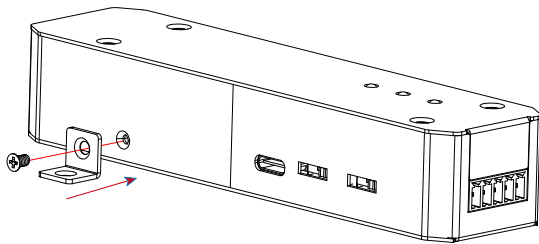
<https://www.audinate.com/products/software/dante-controller>

Installation

Note: Disconnect the device from the power source before installation.

Attaching Mounting Brackets

1. Attach a bracket to one side of the enclosure using the screw provided, as shown in the figure below.



2. Repeat the above step for the other side of the device.
3. Mount the device with the brackets at the desired location using user-supplied screws (not included).

Troubleshooting

No or Poor Quality Audio

- Verify that all connections are not loose and are functioning properly



Troubleshooting Tips:

WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

Specifications

Audio and Video	
Inputs	1× 5-pin 3.5mm Phoenix (balanced/unbalanced)
Outputs	1× RJ45 Dante/AES67 with PoE
Input Sensitivity	−10dBV, +4dBu, +20dBu (toggle selectable)
Input Impedance	20kΩ balanced / 10kΩ unbalanced
Audio Format	PCM 24-bit, 44.1/48/88.2/96kHz
Performance	
Frequency Response	20Hz–20kHz (±1dB)
SNR	>100dB at 1kHz, +4dBu
THD+N	<0.01% at 1kHz, +4dBu
Communication and Control	
Firmware Update	Via Dante Controller
Power	
Power	PoE: 802.3af Class 1 USB-C: Optional DC 5V input
Environmental	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	−20°C to 70°C (−4°F to 158°F)
Humidity	10% to 90%, non-condensing
Dimensions	
Height	120mm/4.72"
Width	35mm/1.37"
Depth	26mm/1.02"
Regulatory	
Safety and Emission	CE FCC RoHS RCM EAC UKCA

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

Warranty Information

WyreStorm Technologies ProAV Corporation warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.

