

2x2 Channel USB to Dante/ AES67 Audio Adapter

CON-USBC-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.



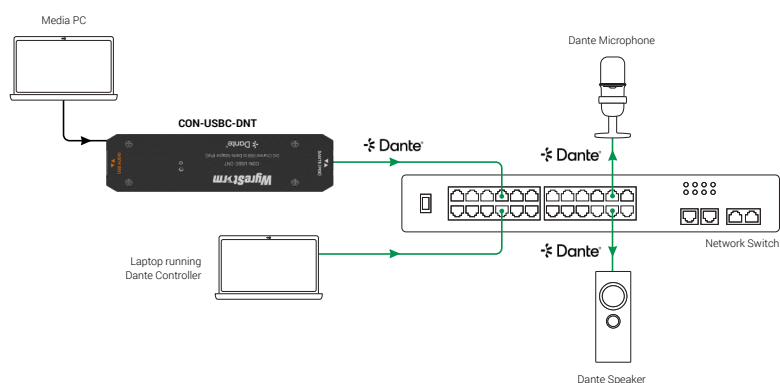
⚠️ IMPORTANT! Installation Requirements

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

In the Box

- 1 x CON-USBC-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	Dante LED	Connect to a Dante-enabled Ethernet switch for audio streaming over a Dante network and PoE power supply. Note: Use Dante Controller to configure audio routing from other Dante-enabled devices.
C	USB Audio	Connect to a USB-C audio device (e.g. computer) for USB audio data transmission and optional 5V DC power input.

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 transmit channels to receive channels according to the selected operating mode (USB-to-Dante or Dante-to-USB).

Once routing is configured, audio can be transmitted between USB devices and the Dante network according to the selected operating mode.

Dante Controller can be downloaded from:

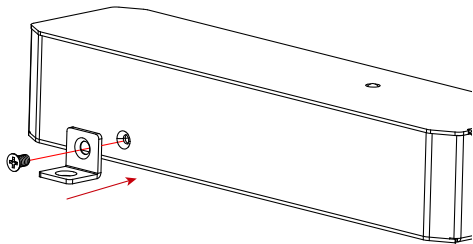
<https://www.audinate.com/products/software/dante-controller>

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× RJ45 Dante/AES67 with PoE 1× USB-C
Outputs	1× RJ45 Dante/AES67 with PoE 1× USB-C
Audio Format	24-bit, 44.1kHz / 48kHz / 96kHz
USB Audio Performance	
Frequency Response	20Hz–20kHz (±1dB)
SNR	>110dB at 1kHz, 0dBFS
THD+N	<0.001% at 1kHz, 0dBFS
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.

