



AVPro edge AC-DANTE-E 2 Channel Analog Audio Input Encoder User Guide

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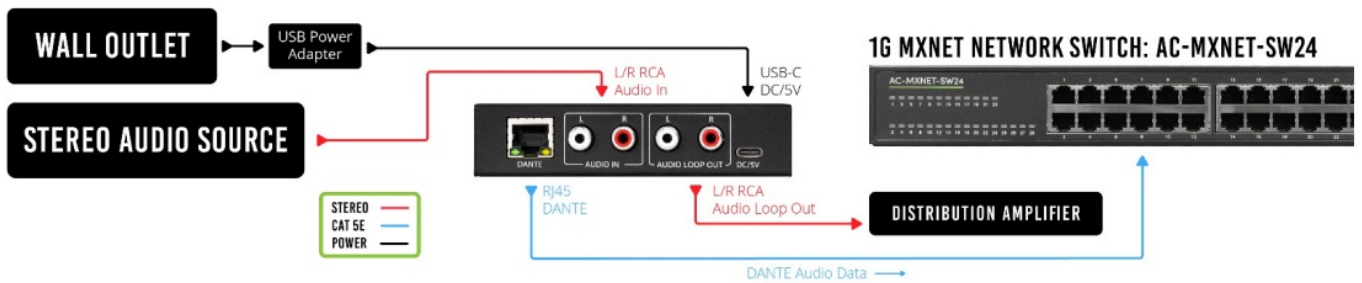
Quick Start Guide AC-DANTE-E 2-Channel Analog Audio Input Encoder

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Installation

Once the AC-DANTE-E is powered on and connected to the network switch, it will automatically be discovered on the network using the Dante™ Controller software.



Connecting the Devices

1. Connect the provided USB-A to USB-C cable between the 5V 1A power supply and the AC-DANTE-E encoder's DC/5V port. Then plug the power supply into a suitable power outlet.

Both the POWER and MUTE LEDs on the front panel will illuminate solid for 6 seconds, after which the MUTE LED will shut off and the POWER LED will stay on, indicating the AC-DANTE-E is powered on.

Note:

The AC-DANTE-E does not support PoE and must be powered locally using the provided 5V 1A power supply and USB-A to USB-C cable.

2. Connect the audio source device to the AUDIO IN port with a stereo RCA cable. Ensure the audio source device is powered on.
3. Connect a CAT5e (or better) cable between a computer running the Dante™ Controller software and the network switch.
4. Connect a CAT5e (or better) cable between the DANTE port on the AC-DANTE-E and the network switch. The AC-DANTE-E will be automatically discovered and routed using the Dante™ Controller software.

The screenshot shows the Dante Controller - Network View window. The 'Device Info' tab is selected, displaying a table of discovered devices. The table has columns for Device Name, Model Name, Product Version, Dante Version, Device Lock, Primary Address, Primary Link Speed, Secondary Address, and Secondary Link Speed. One device is listed: DANTE-E-8446b7, AC-DANTE-E, 1.0.1, 4.2.6.5, with a primary address of 169.254.184.70 and a primary link speed of 100Mbps. The status bar at the bottom indicates 1 device, a Multicast Audio Bandwidth of 3Mbps, and a Clock Status Monitor icon.

Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Secondary Link Speed
DANTE-E-8446b7	AC-DANTE-E	1.0.1	4.2.6.5	<input type="checkbox"/>	169.254.184.70	100Mbps	N/A	N/A

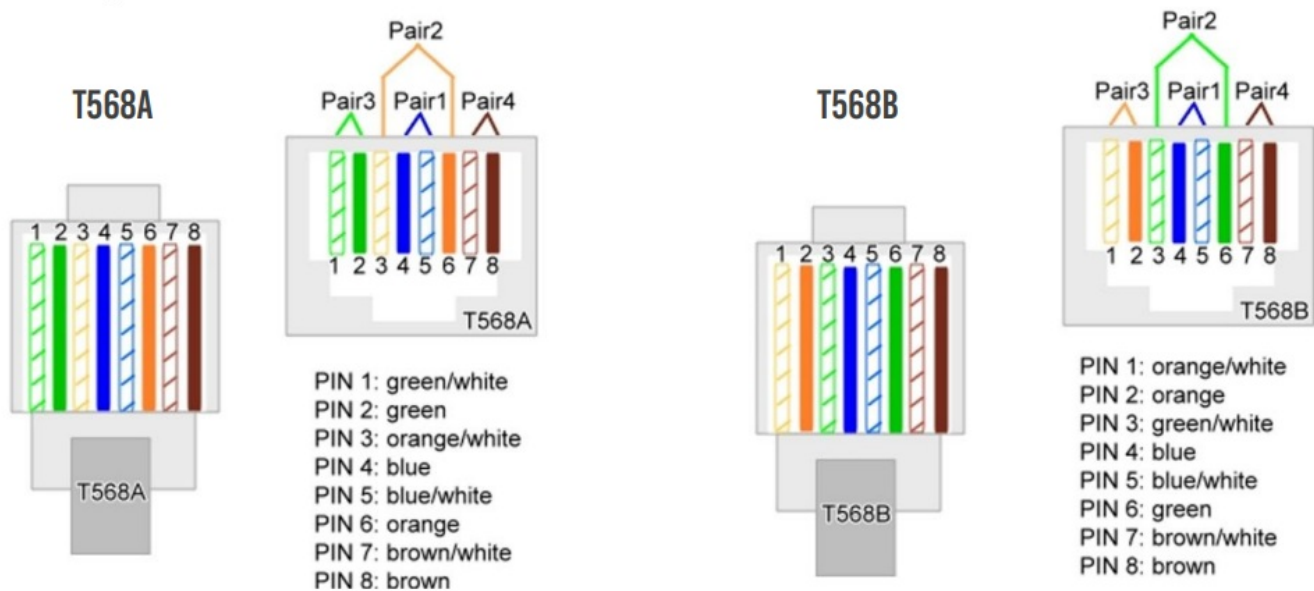
Note:The computer running Dante™ Controller and the AC-DANTE-E must both have a physical connection to the Dante™ network in order for the AC-DANTE-E to be discovered by Dante™ Controller.

Audio Loop Out

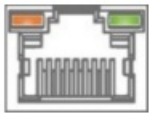
The AUDIO LOOP OUT port is a direct mirror of the DANTE audio input port and can be used to relay line level audio to a distribution amplifier or separate zone amplifier using an RCA cable.

Dante Port Wiring

The DANTE audio output port on the encoder utilizes the standard RJ-45 connection. For maximum performance, the recommended cabling is CAT5e (or better) based on TIA/EIA T568A or T568B standards for the wiring of the twisted pair cables.



The DANTE audio output port features two status indicator LEDs to show active connections while troubleshooting.



Right LED (Amber) – Link Status

Indicates there is data present between the AC-DANTE-E and the receiving end (typically a network switch). Steady blinking amber indicates normal operations.

Left LED (Green) – Link/Activity

Indicates there is an active link between the AC-DANTE-E and the receiving end. Solid green indicates the ACDANTE-E and the receiving end device have been identified and are communicating with one another.

If either LED is not illuminating, check the following:

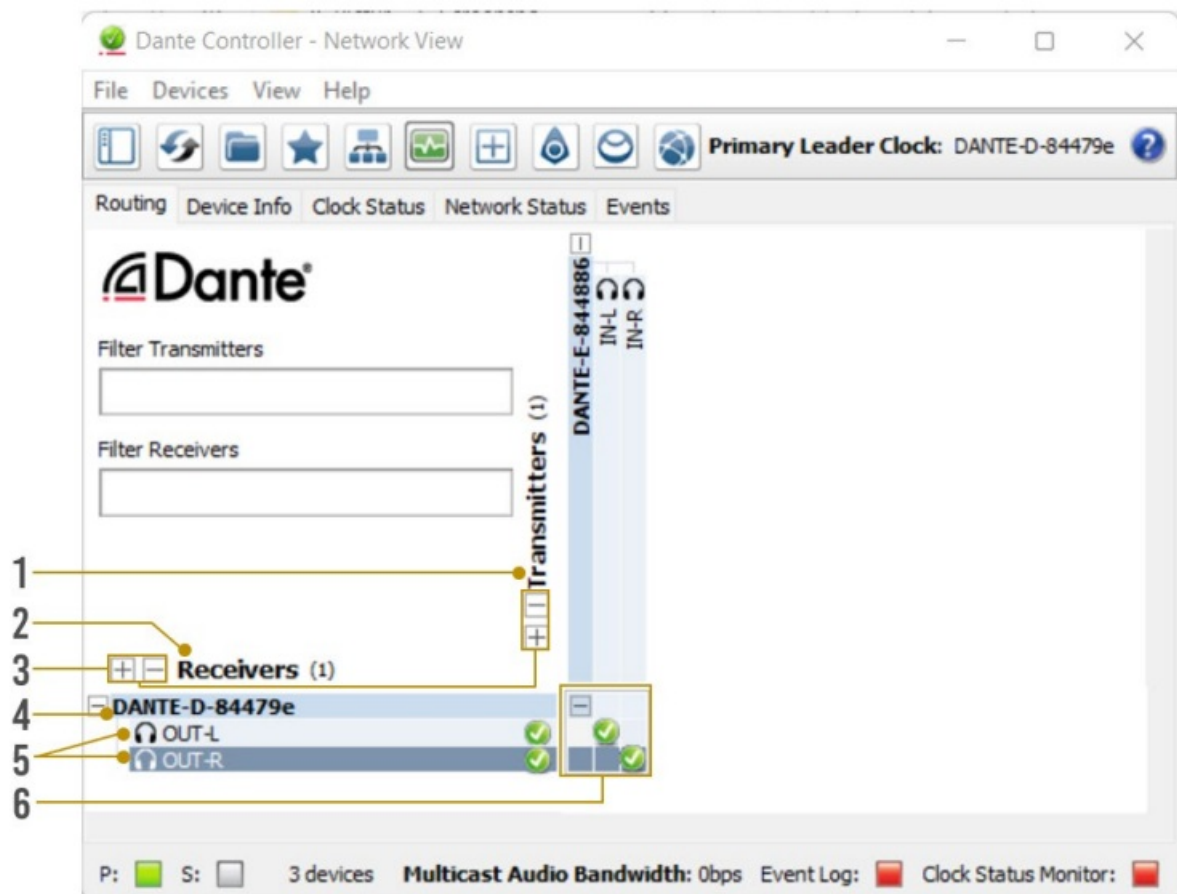
- Ensure the AC-DANTE-E is powered on from the DC/5V port.
- Verify cable length is within the maximum distance of 100 meters (328 feet).
- Connect the AC-DANTE-E directly to the network switch, bypassing all patch panels and punch-down blocks.
- Re-terminate connector ends. Use standard RJ-45 connectors and avoid using push-through or “EZ” type ends as these have exposed copper wiring at the tips that can cause signal interference.
- Contact AVPro Edge Technical Support if these suggestions do not work.

Device Configuration







Configuring the AC-DANTE-E requires installing Audinate’s Dante Controller software on a computer sharing the same network as Dante devices, such as the AC-DANTE-E. Dante Controller is a powerful tool used to configure network settings, signal latency, audio encoding parameters, Dante flow subscriptions, and AES67 audio support. The latest version of Dante Controller can be found here along with additional supplementary instructions that can be obtained via the online help support tool located under the Help tab in the Dante Controller.

Basic Navigation and Dante Flow Subscription

Dante Controller will open to the routing tab by default where discovered Dante devices are organized according to transmitter or receiver status. Signal routing from Dante encoders (transmitters) to Dante decoders (receivers) can be achieved by clicking the box located at the intersection of the desired transmit and receive channels. Successful subscription is denoted by a green check mark icon.




For more In-Depth Device Configurations and IP Settings, see the User Manual for the AC-DANTE-E.

1 Transmitters	<ul style="list-style-type: none"> • Discovered Dante encoders
2 Receivers	<ul style="list-style-type: none"> • Discovered Dante decoders
3 +/-	<ul style="list-style-type: none"> • Select the (+) to expand or (-) to collapse view
4 Device Name	<ul style="list-style-type: none"> • Displays the name assigned to the Dante device • Device name is customizable in Device View • Double-click to open Device View
5 Channel Name	<ul style="list-style-type: none"> • Displays the name of the Dante audio channel • Channel name customizable in Device View • Double click associated Device Name to open Device View
6 Subscription Window	<ul style="list-style-type: none"> • Click the box to create a unicast subscription between the overlapping <div>  Subscription in process </div> <div>  Subscription successful </div> <div>  Subscription error </div> <div>  Subscription warning </div> <div>  Device part way through setting up a subscription </div> <div>  <p>Tip: Hovering the mouse over the subscription indicator symbol will provide further details about the subscription and can be useful in troubleshooting</p> </div>



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Documents / Resources

	<p>AVPro edge AC-DANTE-E 2 Channel Analog Audio Input Encoder [pdf] User Guide AC-DANTE-E, 2 Channel Analog Audio Input Encoder, AC-DANTE-E 2 Channel Analog Audio Input Encoder, Analog Audio Input Encoder, Audio Input Encoder, Input Encoder, Encoder</p>
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References

-  [AVPro Edge - Home](#)

Manuals+.