

Dante® 2-Channel USB-C I/O Adapter

Driver-Free USB-C to Dante® Network Audio Bridge with PoE Power



The AUD-DTE-USBC bridges any USB-C device directly into a Dante® audio network — no drivers, no dedicated interface hardware, no additional power supply required. Built on the Dante® Ultimo 2×2 engine, it converts two-channel USB audio from laptops, smartphones, and tablets into full-resolution Dante® network audio at sampling rates up to 96kHz/24-bit, while simultaneously accepting USB audio output at up to 192kHz/24-bit. A single RJ45 connection to a PoE-capable switch delivers both the Dante network stream and device power over the same cable — eliminating the need for a separate power supply in most installations.

Designed for conference rooms, classrooms, houses of worship, and distributed audio systems, the AUD-DTE-USBC operates as a plug-and-play USB audio class 1.0/2.0 device, recognized natively by macOS, Windows, iOS, and Android. Dante® Controller software manages routing, latency (1/2/5ms configurable), and AES67 interoperability — giving integrators full network audio control without touching the host device. The compact plastic enclosure includes integrated hook-and-loop mounting for concealed installation under tables, behind displays, or inside equipment enclosures.

Surge Protection Recommended — This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, or lightning strikes. Use of surge protection systems is highly recommended.

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1. Features

- ✓ Interconverts two-channel USB audio and Dante® 2CH digital audio via Dante® Ultimo 2×2 engine
- ✓ USB audio device class 1.0/2.0-compatible — no driver installation required on macOS, Windows, iOS, or Android
- ✓ USB audio output up to 192kHz@24bit; USB audio input up to 96kHz@24bit
- ✓ Dante® audio sampling rate supports 44.1/48/88.2/96kHz@24bit with AES67 interoperability
- ✓ Configurable Dante® audio latency: 1ms, 2ms, or 5ms via Dante® Controller
- ✓ Powered via PoE (IEEE 802.3af Class 0) or USB-C 5V/500mA — no external power supply required with PoE switch
- ✓ Compact form factor with included hook-and-loop for flexible concealed installation

2. Package Contents

- ✓ 1× Dante® 2CH USB-C I/O Adapter
- ✓ 2× Hook & Loop

3. Specifications

SPECIFICATION	
TECHNICAL	
Control Method	Dante® Controller
Network Bandwidth	100M
Audio Formats	USB AUDIO IN: Digital audio input, PCM 2CH 44.1K–96KHz 16/24bit
	USB AUDIO OUT: Digital audio output, PCM 2CH 44.1K–192KHz 16/24bit
	DANTE IN/OUT: Digital audio input/output, PCM 2CH 44.1K–96KHz 16/24bit
Transmission Distance	328ft / 100m (CAT6/6A/7)
Audio Latency	Configurable Dante® device latency — 1ms, 2ms, or 5ms via Dante® Controller
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
USB AUDIO IN — AUDIO PARAMETERS	
Frequency Response	20Hz to 20kHz (±0dB)
Audio S/N Ratio	>130dB, 1kHz A-weighted
Dynamic Range	>130dB, 1kHz A-weighted
Audio THD+N	<0.01% at +4dBu, 1kHz
Audio Output Sync Delay	<10ms
Line Input Level (Maximum)	N/A
Input Impedance	N/A
USB AUDIO OUT — AUDIO PARAMETERS	
Frequency Response	20Hz to 20kHz (±0dB)
Audio S/N Ratio	>130dB, 1kHz A-weighted
Dynamic Range	>130dB, 1kHz A-weighted
Audio THD+N	<0.01% at +4dBu, 1kHz
Audio Output Sync Delay	<10ms
Line Output Level (Maximum)	N/A
Output Impedance	N/A
CONNECTION	
DANTE	1× RJ45 connector — Digital audio in/out, PoE
USB-C (Audio)	1× USB-C with USB 1.0/2.0, USB audio in/out, 12-pin female
POWER	1× USB-C power and firmware update port, 12-pin female
RESET	1× System reboot button
USB-C LED	1× Green color, USB 5V indicator
POWER	
USB Input	5V / 500mA
PoE Input	IEEE 802.3af Class 0
Power Consumption	1.65W (Max)
MECHANICAL	



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Housing	Plastic Enclosure
Color	Black
Dimensions	115mm [W] × 40mm [D] × 28mm [H]
Weight	94g

ENVIRONMENTAL	
Operating Temperature	32°F – 104°F / 0°C – 40°C
Storage Temperature	-4°F – 140°F / -20°C – 60°C
Operating Humidity	20% – 80% RH (non-condensing)
Storage Humidity	10% – 90% RH (non-condensing)

4. Introduction

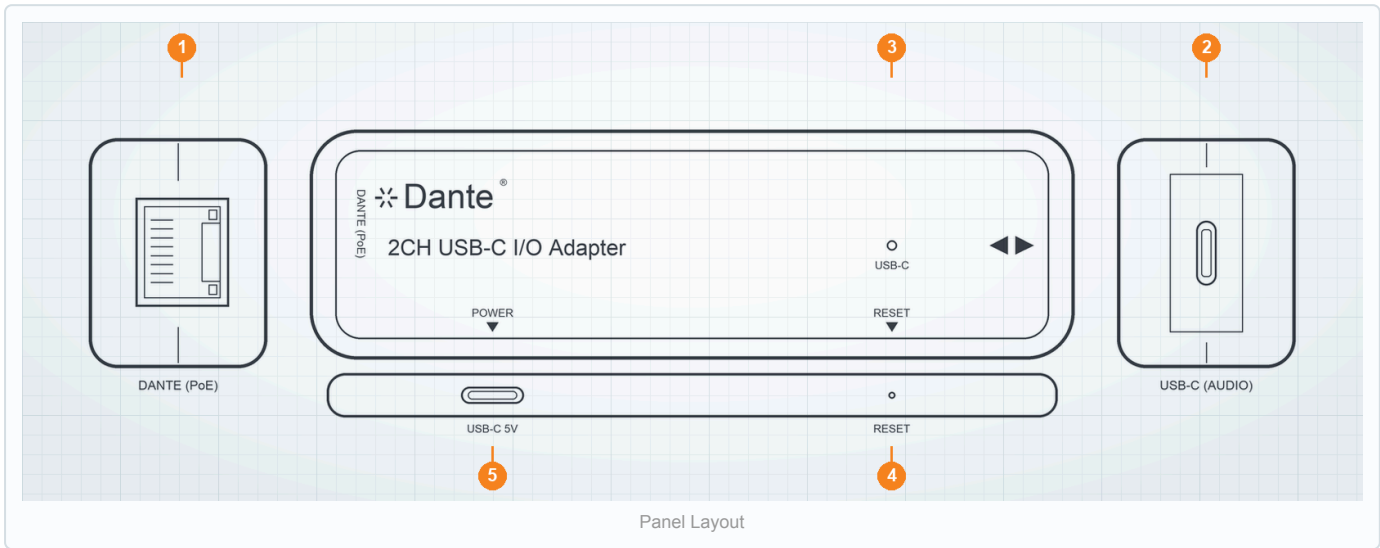
The AUD-DTE-USBC is a Dante® 2-channel USB-C audio I/O adapter built on the Dante® Ultimo 2×2 platform. It converts audio both ways between a two-channel USB audio device and a two-channel Dante® network. It takes power from its local USB-C port or from a PoE network switch.

5. Safety notices

Surge protection is recommended. This product contains sensitive electrical components that electrical spikes, surges or lightning strikes can damage. We strongly recommend using surge protection.

Network cable. Connect the adapter with a straight-through network cable. Do not use a crossover cable.

6. Panel descriptions



These are the manual's "Operation Controls and Functions" callouts, numbered and ordered exactly as printed.

No.	Name	Description
1	DANTE (PoE) port	This is the Dante® digital audio input/output port. Connect it to your network switch with an RJ45 cable. It can also power the adapter from a PoE switch. The green LINK LED stays on once the connection is up, and the yellow DATA LED flashes while data is moving.
2	USB-C LED (green)	This LED lights when the USB-C port is receiving power.

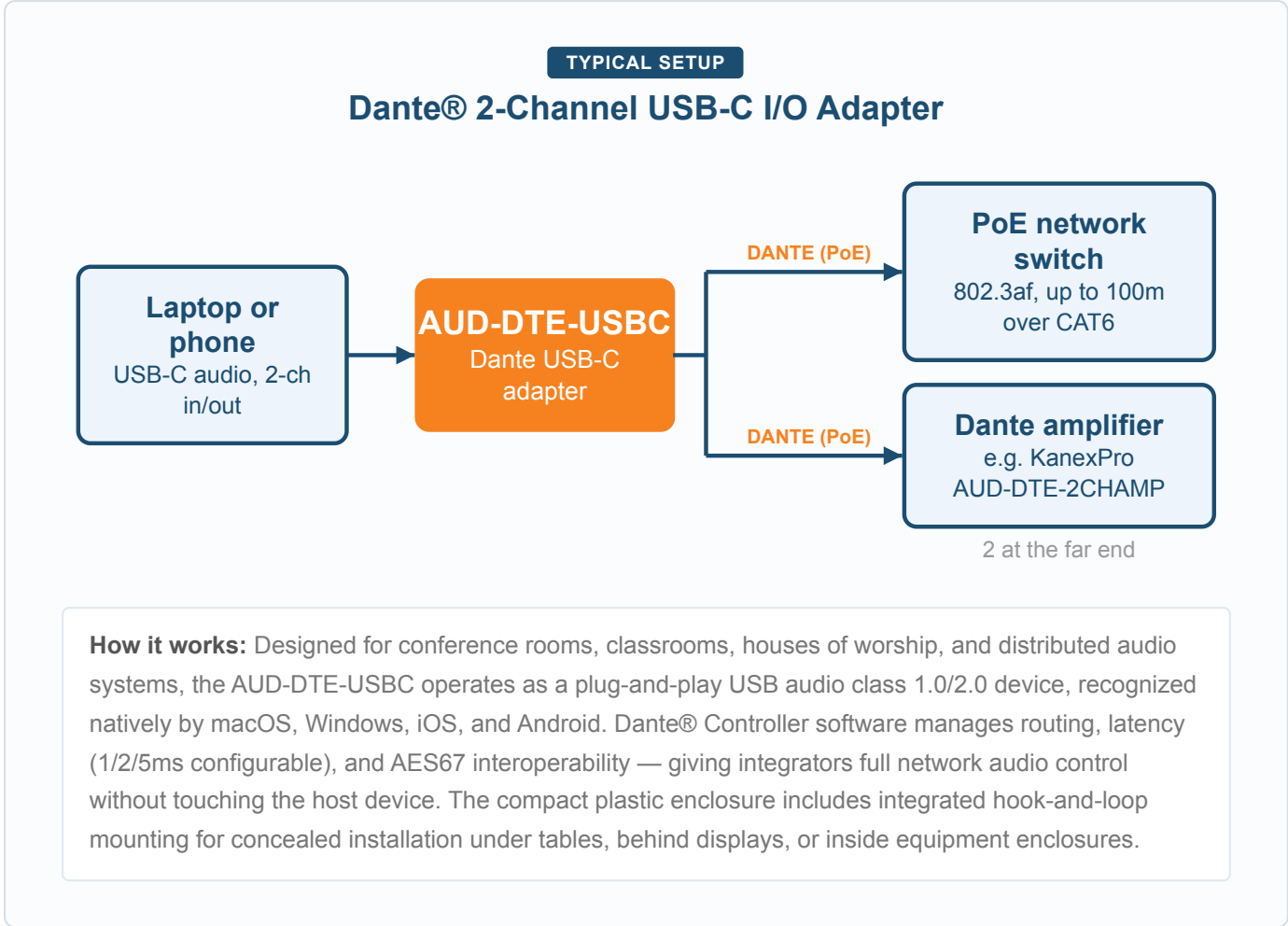


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No.	Name	Description
3	USB-C port	This is the USB-C audio input/output port. Connect it to your USB-C audio source or playback device. It also accepts 5V/500mA power.
4	RESET button	Press this button to reboot the unit.
5	POWER port	This USB-C port accepts 5V/500mA power and is also used for firmware updates.

Note: The RESET button only reboots the unit. It does not restore factory settings. To reset the device's settings, use Dante® Controller.

7. Application Example



8. Troubleshooting

Q: I pressed RESET but my Dante settings are still there - why?

A: The RESET button only reboots the unit and does not restore factory settings. To reset the device's settings, use Dante Controller.

Q: The AUD-DTE-USBC does not power up from the network switch - what should I check?

A: First, confirm that the switch port supplies IEEE 802.3af PoE and that the cable is plugged into the DANTE (PoE) port. If the switch has no PoE, power the adapter with 5V/500mA through a USB-C port; the green USB-C LED lights when that port is receiving power.

Q: The network LEDs are on but no audio reaches the other Dante device - what should I check?

A: The green LINK LED shows that the connection is up, and the yellow DATA LED flashes while data is moving. If the link is up, check in Dante Controller that the adapter and the other device are on the same network and that audio is routed between them.



Q: The adapter does not connect over a cable that works elsewhere - what should I check?

A: Make sure the cable is a straight-through cable and not a crossover. It must be CAT6, CAT6A or CAT7 and no longer than 328ft (100m).

Need help? — For additional support, visit kanexpro.com/support, or scan the QR code below for the product page.

9. Installation FAQ

Q: What does the network switch need to provide for the AUD-DTE-USBC?

A: To power the adapter over the network, connect the DANTE port to an IEEE 802.3af PoE switch, since the unit is Class 0. A switch without PoE still carries the Dante audio, but then the adapter needs 5V/500mA through a USB-C port.

Q: What kind of network cable should I use?

A: Use a straight-through CAT6, CAT6A or CAT7 cable, up to 328ft (100m). Do not use a crossover cable.

Q: How do I mount the AUD-DTE-USBC?

A: The adapter is a compact 115 x 40 x 28mm plastic unit. Use the two hook-and-loop fasteners in the box to fix it under a table, behind a display or wherever it is needed.

Q: Which port is used for firmware updates?

A: Use the USB-C port labeled POWER. It accepts 5V/500mA power and is also the firmware update port.

Q: Is surge protection needed when installing the AUD-DTE-USBC?

A: Surge protection is strongly recommended. Electrical spikes, surges or lightning strikes can damage the adapter's sensitive components.

10. Integration FAQ

Q: What software is used to control the AUD-DTE-USBC?

A: Use Dante Controller. It handles audio routing to and from other Dante devices, sets the device latency to 1, 2 or 5ms and resets the device's settings.

Q: Which Dante devices can the AUD-DTE-USBC send audio to or receive audio from?

A: Any other Dante device on the same network can send 2 channels of audio to the adapter or receive 2 channels from it. You set up the routing in Dante Controller.

Q: What kind of USB device connects to the AUD-DTE-USBC?

A: Connect a laptop, phone or other USB-C audio source or playback device to the USB-C audio port. Audio travels both ways over that one cable.

Q: How many channels does the AUD-DTE-USBC put on the Dante network?

A: It is built on the Dante Ultimo 2x2 platform. It carries 2 channels from the USB device onto the Dante network and 2 channels from the network back to the USB device.

