

Dante® Bluetooth Audio Input Adapter with APTX-LL & APTX-HD

Stream Any Bluetooth 5.1 Device into Your Dante® Network — No Analog Stage



Dante® networks are wired by design — but the presenters, performers, and guests in your spaces aren't. The KanexPro AUD-DTE-BT bridges that gap without compromise: Bluetooth 5.1 audio from any smartphone, tablet, or laptop streams directly onto your Dante® network as clean 2-channel PCM digital audio, with no analog conversion stage, no extra adapters, and no signal degradation between source and destination. Where competing adapters stop at basic AAC or standard APTX, the AUD-DTE-BT adds APTX-LL for near-zero-latency performance audio and APTX-HD for high-resolution wireless streaming — making it the right node for collaboration spaces, houses of worship, hospitality venues, and live event rigs alike.

Built on the Dante® Ultimo 2×2 platform, the AUD-DTE-BT is a fully managed Dante device — discoverable and configurable via Dante® Controller with selectable latency of 1, 2, or 5ms. A single RJ45 connection handles both Dante audio output and PoE power from any standard 802.3af switch, with USB-C as a backup power option for installations without PoE infrastructure. Bluetooth pairing is handled by a front-panel PAIR button, with a STATUS LED for instant connection feedback. Discoverable mode is configurable via API command to lock the adapter to a single trusted device — eliminating unwanted pairing attempts in multi-room or multi-zone deployments.

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.

TABLE OF CONTENTS

1. Features	2
2. Package Contents	2
3. Specifications	2
4. Introduction	3
5. Panel descriptions	3
6. API Commands	4
Communication protocol	4
Command set	4
Status reply	6
7. Troubleshooting	6
8. Trademarks	6
9. Application Example	7
10. Troubleshooting	7
11. Installation FAQ	7
12. Integration FAQ	8

1. Features

- ✓ Converts Bluetooth 5.1 audio directly to Dante® 2-channel digital audio — no analog conversion stage, no signal degradation end-to-end
- ✓ Full high-quality codec support: SBC, AAC, APTX, APTX-LL (near-zero latency), and APTX-HD (high-resolution) — broader codec coverage than standard Bluetooth-to-Dante adapters
- ✓ Bluetooth input accepts PCM 2CH audio at 44.1K–192kHz / 16–24-bit — Dante output delivers PCM 2CH at 48kHz / 24-bit
- ✓ Built on Dante® Ultimo 2×2 platform — fully managed via Dante® Controller with configurable device latency of 1, 2, or 5ms
- ✓ PoE IEEE 802.3af Class 0 powered via RJ45 — USB-C 5V/500mA backup power for non-PoE installations
- ✓ Front-panel PAIR button with STATUS LED — short press to pair, long press (5s) to clear and re-pair a new source device
- ✓ Bluetooth discoverable mode configurable via API (USB-C virtual RS-232) — lock adapter to a single trusted device for multi-room deployments
- ✓ Compact plastic enclosure, 115 × 40 × 28mm, 93g — installs anywhere with included hook & loop mounting

2. Package Contents

- ✓ 1× Dante® 2CH Bluetooth Input Adapter
- ✓ 2× Hook & Loop

3. Specifications

SPECIFICATION		
AUDIO		
	Bluetooth Input	PCM 2CH • 44.1K–192kHz • 16/24-bit
	Dante Output	PCM 2CH • 48kHz • 16/24-bit
	Bluetooth Version	V5.1
	Bluetooth Codecs	SBC / AAC / APTX / APTX-LL / APTX-HD
	Audio Latency	1 / 2 / 5ms configurable via Dante® Controller
	Frequency Response	20Hz – 20kHz (±0dB)
	Signal-to-Noise Ratio	>100dB @ 2Vrms, 1kHz A-weighted
	Dynamic Range	>100dB @ 2Vrms, 1kHz A-weighted
	THD+N	<0.01% @ 0dBV, 1kHz
NETWORK		
	Control	Dante® Controller
	Network Bandwidth	100Mbps
	Transmission Distance	100m / 328ft (CAT6/6A/7)
CONNECTION		
	Input	1× Bluetooth (wireless) • 1× USB-C power (12-pin female)
	Output	1× Dante RJ45 (PoE)
POWER		
	Power Supply	USB-C 5V/500mA or PoE IEEE802.3af Class 0
	Power Consumption	0.65W (max)
MECHANICAL		



continued

Housing	Plastic Enclosure • Black
Dimensions	115 × 40 × 28mm (W × D × H)
Weight	93g
Operating Temperature	0°C – 40°C / 32°F – 104°F
Storage Temperature	-20°C – 60°C / -4°F – 140°F
Operating Humidity	20% – 80% RH (non-condensing)
Storage Humidity	10% – 90% RH (non-condensing)

COMPLIANCE	
ESD Protection	IEC 61000-4-2 • ±8kV air-gap • ±4kV contact

4. Introduction

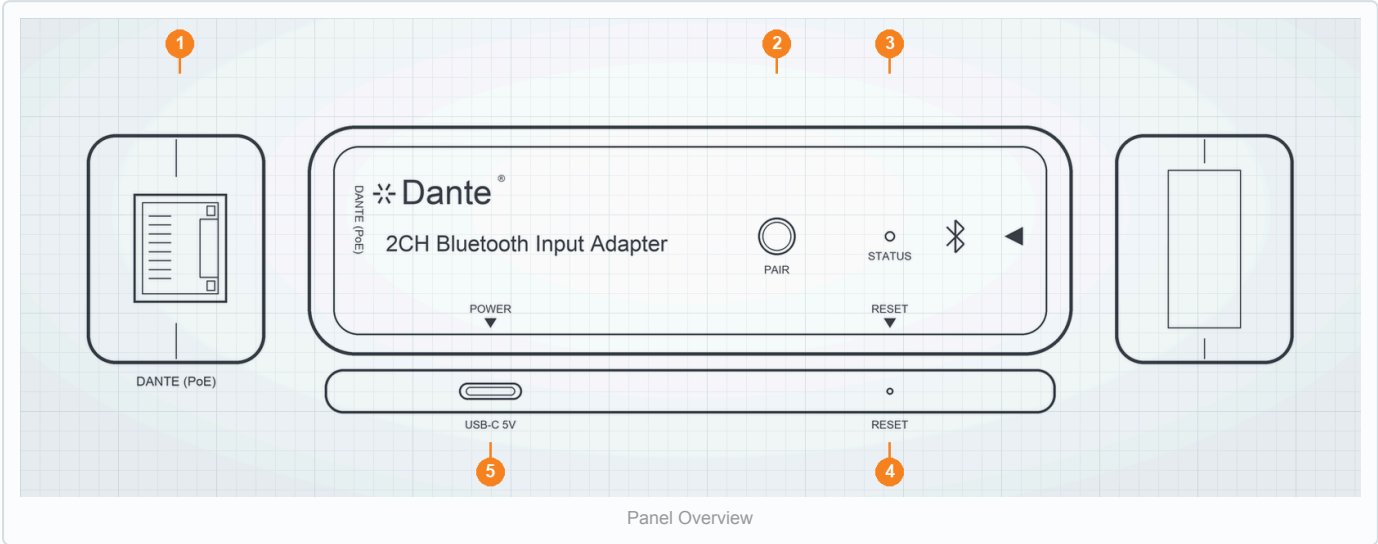
The AUD-DTE-BT is a Dante® 2-channel Bluetooth input adapter built on the Dante® Ultimo 2×2 platform. It receives two-channel Bluetooth audio from a smartphone, tablet or laptop, converts it to 2-channel Dante® digital audio, and sends it over your Dante® network to the receiving device. The signal stays digital the whole way: there is no analog conversion stage.

The adapter is a fully managed Dante® device. You can find and configure it in Dante® Controller. Power it from a PoE network switch through its RJ45 port, or from a local USB-C power supply where no PoE is available.

Surge protection recommended. This product contains sensitive electrical components. Use a surge protection system to protect your equipment and extend its life.

Network cable. Connect the adapter with a direct (straight-through) CAT cable. Do not use a crossover cable.

5. Panel descriptions



It numbers five callouts in one drawing and does not split them into front and rear.



No.	Name	Description
1	DANTE (PoE) Port	The Dante® digital audio output. Connect it to a PoE network switch with an RJ45 cable. The adapter can draw its power from this port (PoE IEEE 802.3af Class 0). The green LINK LED stays solid while the port is connected, and the yellow DATA LED flashes while data is moving.
2	PAIR Button	Bluetooth pairing button. Press it briefly to start pairing. Hold it for 5 seconds to clear the currently paired source and start a new pairing. The button only works while Bluetooth discoverable is On, which is the default. If discoverable has been turned Off with an API command, the button does nothing.
3	STATUS LED	Green Bluetooth pairing indicator. It is solid when a device is paired, flashes twice a second (2Hz) while pairing is in progress, and flashes once a second (1Hz) when no device is paired.
4	RESET Button	Press it to reboot the adapter. This button does not restore factory defaults: to do that, use the <code>set reset</code> API command.
5	POWER Port (USB-C)	This USB-C port does two jobs. It is a power input for a 5V/500mA USB-C supply. It is also the firmware and Bluetooth update port: send the serial command <code>set bt update</code> to put the adapter into Bluetooth update mode, then reboot it after the update so the changes take effect.

6. API Commands

You can control the adapter with API commands through its POWER port, which works as a USB-C virtual RS-232 port. Connect the POWER port to a computer with a USB-C cable, then open a serial command tool and send the commands below.

COMMUNICATION PROTOCOL

SETTING	VALUE
Baud rate	115200 (fixed)
Data bits	8
Stop bits	1
Parity	None
End mark	<CR><LF>

COMMAND SET



COMMAND	FUNCTION	FEEDBACK (EXAMPLE)	DEFAULT
<code>get status</code>	Get system status	See the status reply below	—
<code>get fw version</code>	Get firmware version	MCU FW v1.0.0 / BT FW v36	—
<code>set reboot</code>	Reboot the device	Reboot... System Initializi ng...	—
<code>set reset</code>	Reset to factory defaults	Confirmation prompt (type Yes)	—
<code>set bt name <x></code>	Set the Bluetooth device name	Set Bluetooth device name to <x>	Factory name
<code>get bt name</code>	Get the Bluetooth device name	The current Bluetooth name	—
<code>set bt discover on</code>	Turn Bluetooth discoverable on	Set Bluetooth discoverable on	On
<code>set bt discover off</code>	Turn Bluetooth discoverable off	Set Bluetooth discoverable off	—
<code>get bt discover</code>	Get discoverable status	On / Off	—
<code>get bt connection</code>	Get Bluetooth connection status	Connected / Disconnected	—
<code>get bt source</code>	Get the name of the connected source device	Tom of iPhone 15	—
<code>set bt paired clear</code>	Clear paired Bluetooth sources	Clear Bluetooth paired sources	—
<code>set bt update</code>	Enter Bluetooth firmware update mode	Bluetooth update...	—
<code>help / ?</code>	List all commands	Command list	—



STATUS REPLY

When you send `get status`, the adapter replies with its firmware versions and current Bluetooth state, as in this example:

```
`` Status Info Dante 2CH Bluetooth Input Adapter MCU FW v1.0.0 Bluetooth FW v36 Bluetooth_Name:
<Bluetooth device name> Bluetooth_Discoverable: On Bluetooth_Connection: Connected
Bluetooth_Source: Tom of iPhone 15 ``
```

7. Troubleshooting

The STATUS LED flashes once a second (1Hz) and no Bluetooth device can pair. The adapter is not paired and is waiting for a device. Press PAIR briefly to start pairing, then choose the adapter from the list of available devices on your Bluetooth device. Check that Bluetooth discoverable is On (the default). If you need to confirm it, send the `get bt discover` command.

The adapter does not appear in Dante® Controller. Check that the RJ45 cable goes to a PoE-capable network switch on the same subnet as your Dante® network, and that the green LINK LED on the DANTE port is solid. If you power the adapter over PoE, make sure the switch supports IEEE 802.3af PoE (Class 0). Then reboot the adapter with the RESET button or the `set reboot` command.

The audio drops out or sounds poor after pairing. Keep the source device within Bluetooth range, away from walls and other sources of interference. For the best sound, use a source that supports a high-quality codec (aptX, aptX-LL or aptX-HD). Check that the latency in Dante® Controller suits your installation: 1ms for a local network, 5ms for a larger one.

You need to connect a different Bluetooth device, but the adapter stays paired to the old one. Hold PAIR for 5 seconds to clear the paired device and start pairing again. You can also send `set bt paired clear` and then press PAIR briefly to pair the new device.

8. Trademarks

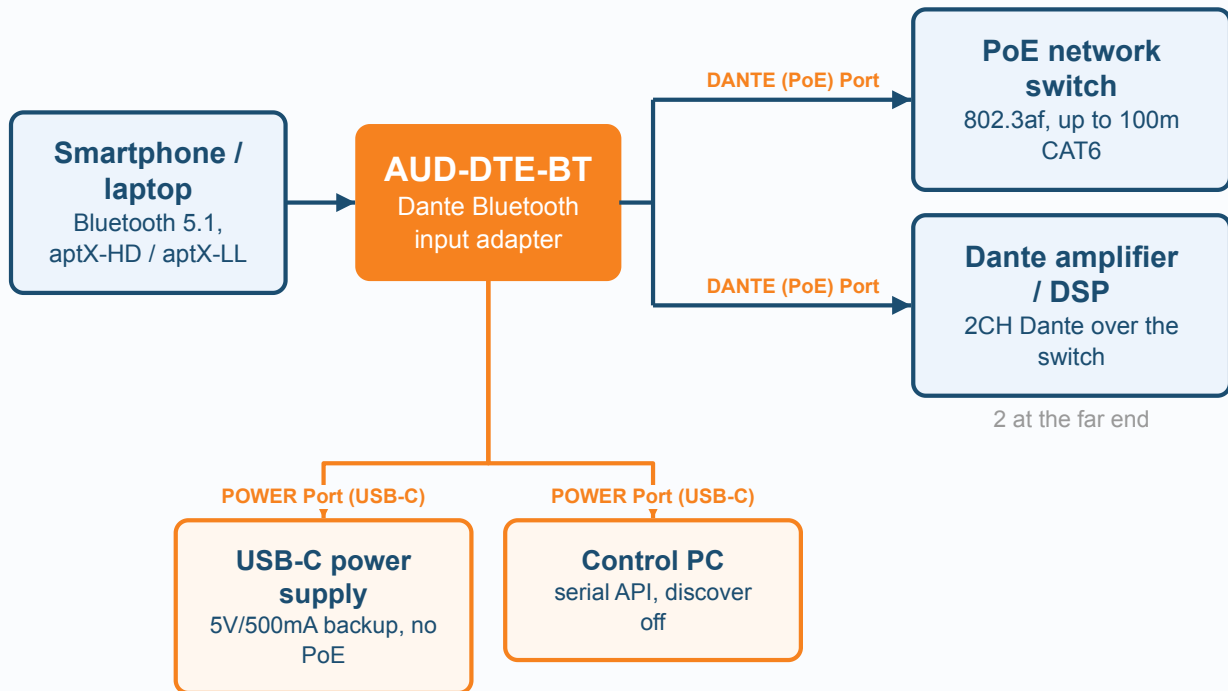
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9. Application Example

TYPICAL SETUP

Dante® Bluetooth Audio Input Adapter with APTX-LL & APTX-HD



How it works: Built on the Dante® Ultimo 2×2 platform, the AUD-DTE-BT is a fully managed Dante device — discoverable and configurable via Dante® Controller with selectable latency of 1, 2, or 5ms. A single RJ45 connection handles both Dante audio output and PoE power from any standard 802.3af switch, with USB-C as a backup power option for installations without PoE infrastructure. Bluetooth pairing is handled by a front-panel PAIR button, with a STATUS LED for instant connection feedback. Discoverable mode is configurable via API command to lock the adapter to a single trusted device — eliminating unwanted pairing attempts in multi-room or multi-zone deployments.

10. Troubleshooting

Q: I need to connect a different Bluetooth device, but the adapter stays paired to the old one - what do I do?

A: Hold PAIR for 5 seconds to clear the paired device and start pairing again. You can also send set bt paired clear, then press PAIR briefly to pair the new device.

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

11. Installation FAQ

Q: What cable should I use between the adapter and the network switch?

A: Use a direct (straight-through) CAT cable, not a crossover cable. Runs can be up to 100m (328ft) on CAT6, CAT6A or CAT7.



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7 / 8

Q: What does the network switch have to provide?

A: Connect the DANTE port to a switch on the same subnet as your Dante network. To power the adapter over the cable, the switch port must support IEEE 802.3af PoE (Class 0); otherwise, power it from a USB-C 5V/500mA supply on the POWER port.

Q: What do the LEDs on the DANTE port show?

A: The green LINK LED stays solid while the port is connected to the network. The yellow DATA LED flashes while data is moving.

Q: Does the RESET button restore factory defaults?

A: No. A press of RESET only reboots the adapter. To restore factory defaults, send the serial command set reset and type Yes when asked to confirm.

Q: Is surge protection recommended for the installation?

A: Yes. The adapter contains sensitive electrical components, so use a surge protection system to protect it and extend its life.

12. Integration FAQ

Q: Which devices can receive the audio from the AUD-DTE-BT?

A: Any Dante device on the same network switch, such as an amplifier, DSP, mixer or recorder, can receive the adapter's 2-channel Dante stream. The adapter is a fully managed Dante device, so you find it, route it and set it up in Dante Controller.

Q: What serial settings does the API port use?

A: The USB-C POWER port acts as a virtual RS-232 port. It runs at a fixed 115200 baud, 8 data bits, 1 stop bit and no parity, and each command must end with <CR><LF>.

Q: Can I change the Bluetooth name the adapter shows to phones?

A: Yes. Send set bt name <name> to set it and get bt name to read it back, so each adapter in a building can have its own room name.

Q: How can a controller check whether a source is connected, and which one?

A: Send get bt connection to get Connected or Disconnected, and get bt source to get the name of the paired device. get status returns both, along with firmware versions and discoverable state.

Q: How is the adapter's firmware updated?

A: Connect the USB-C POWER port to a computer and send set bt update to put the adapter into Bluetooth update mode. Reboot it after the update so the changes take effect, and check the result with get fw version.

