Dante® 2-Channel Line Output Adapter

The KanexPro AUD-DTE-LINEOUT is a compact 2-channel Dante line output adapter built on the Dante Ultimo 2x2 platform. It converts Dante digital audio to two channels of balanced or unbalanced analog audio through 6-pin phoenix connectors. Five discrete gain levels match professional and consumer reference standards. Dual power via PoE (802.3af) or USB-C. Managed via Dante Controller.

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.

Caution — The network cable connection method required for this product is direct connection. Please do not cross connect.

TABLE OF CONTENTS

FEATURES

- ✓ Dante 2CH digital audio to two-channel balanced/unbalanced analog audio output
- ✓ Built on the Dante Ultimo 2x2 platform for full Dante ecosystem interoperability
- ✓ Supports 44.1/48/88.2/96kHz sampling rates at 24-bit resolution
- ✓ 5-level discrete gain adjustment (+18dBu, +4dBu, 0dBu, 0dBV, -10dBV)
- ✓ Balanced output: +18dBu (6.15Vrms) max / Unbalanced: +12dBu (3.08Vrms) max
- ✓ Studio-grade audio: >100dB S/N ratio, <0.01% THD+N, >100dB dynamic range
- ✓ Flat frequency response: 20Hz–20kHz (±0.5dB)
- ✓ Configurable Dante device latency: 1, 2, or 5ms via Dante Controller
- ✓ Dual power: PoE (IEEE 802.3af Class 0) and USB-C (5V/500mA)
- ✓ 6-pin 3.5mm phoenix connector output for permanent installation wiring
- ✓ 100M network bandwidth, up to 328ft/100m over CAT6/6A/7
- ✓ Compact form factor (115×40×28mm, 94g) with hook & loop mounting
- ✓ ESD protection: IEC 61000-4-2 (±8kV air / ±4kV contact)

PACKAGE CONTENTS

1× Dante 2CH Line Output Adapter • 1× 6-pin 3.5mm Phoenix Connector (male) • 2× Hook & Loop • 1× User Manual

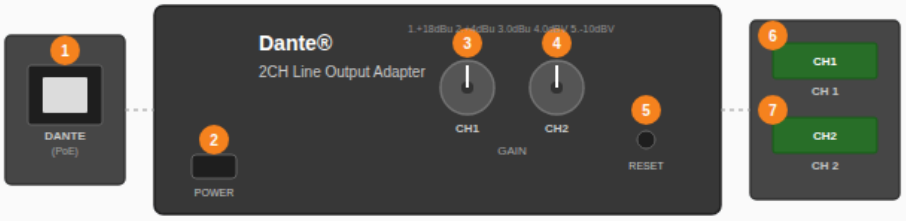
Specifications

TECHNICAL	
Input	Dante 2CH digital audio
Output	Two-channel balanced/unbalanced analog audio
Audio Formats	DANTE IN: PCM 2CH 44.1K–96KHz 16/24bit LINE OUT: Balanced/unbalanced 2CH, max +18dBu
Sampling Rates	44.1 / 48 / 88.2 / 96 kHz @ 24-bit
Frequency Response	20Hz – 20kHz (±0.5dB)
S/N Ratio	>100dB @ 0dBu, 1kHz A-weighted
THD+N	<0.01% @ +4dBu, 1kHz
Dynamic Range	>100dB @ 0dBu, 1kHz A-weighted
Line Output Level (Max)	+18dBu (6.15Vrms) balanced +12dBu (3.08Vrms) unbalanced
Output Impedance	600Ω balanced / 300Ω unbalanced
Gain Adjustment	5-level: +18dBu, +4dBu, 0dBu, 0dBV, -10dBV
Audio Latency	Configurable: 1, 2, or 5ms (via Dante Controller)
Audio Output Sync Delay	<10ms
Network Bandwidth	100M
Transmission Distance	328ft / 100m (CAT6/6A/7)
Control Method	Dante® Controller
ESD Protection	IEC 61000-4-2: ±8kV (air) / ±4kV (contact)
CONNECTION	
Input Port	1× DANTE (RJ45, PoE)
Output Port	2× CH1/CH2 LINE OUT (6-pin 3.5mm phoenix connector)
Power Port	1× USB-C (5V/500mA)
Controls	1× RESET button • 2× GAIN knobs (5-level)
POWER	
Power Supply	USB: 5V/500mA | PoE: IEEE 802.3af Class 0
Power Consumption	1.25W (max)
MECHANICAL	
Dimensions	115mm (W) × 40mm (D) × 28mm (H)
Weight	94g
Housing	Plastic enclosure, black
ENVIRONMENT	
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)

Operation Controls

Operation Controls — AUD-DTE-LINEOUT

DEVICE LAYOUT



#	NAME	DESCRIPTION
1	**DANTE (PoE) port**	Dante digital audio input port (RJ45). Connect to PoE network switch. Green LINK LED is always on after normal connection. Yellow DATA LED flashes during data transmission.
2	**POWER port**	USB-C 5V/500mA power input port. Use when PoE is not available.
3	**CH1 Gain Knob**	5-level gain adjustment for analog audio output channel 1. Knob positions: 1. +18dBu, 2. +4dBu, 3. 0dBu, 4. 0dBV, 5. -10dBV.
4	**CH2 Gain Knob**	5-level gain adjustment for analog audio output channel 2. Knob positions: 1. +18dBu, 2. +4dBu, 3. 0dBu, 4. 0dBV, 5. -10dBV.
5	**RESET button**	Press to reboot the unit. Note: Device reset settings must be done through the Dante Controller.
6	**CH1 LINE OUT port**	Balanced/unbalanced analog audio output port 1. Connected to the analog audio playback device via 6-pin 3.5mm phoenix connector.
7	**CH2 LINE OUT port**	Balanced/unbalanced analog audio output port 2. Connected to the analog audio playback device via 6-pin 3.5mm phoenix connector.

AUD-DTE-LINEOUT — Operation Controls — KanexPro

#	Name	Description
1	**DANTE (PoE) port**	Dante digital audio input (RJ45). Connect to PoE network switch. Green LINK LED = connected. Yellow DATA LED = transmitting.
2	**POWER port**	USB-C 5V/500mA power input. Use when PoE is not available.
3	**CH1 Gain Knob**	5-level gain for channel 1: 1. +18dBu, 2. +4dBu, 3. 0dBu, 4. 0dBV, 5. -10dBV
4	**CH2 Gain Knob**	5-level gain for channel 2: 1. +18dBu, 2. +4dBu, 3. 0dBu, 4. 0dBV, 5. -10dBV
5	**RESET button**	Press to reboot. Device reset settings require Dante Controller.
6	**CH1 LINE OUT**	Balanced/unbalanced analog audio output channel 1 (6-pin phoenix).
7	**CH2 LINE OUT**	Balanced/unbalanced analog audio output channel 2 (6-pin phoenix).

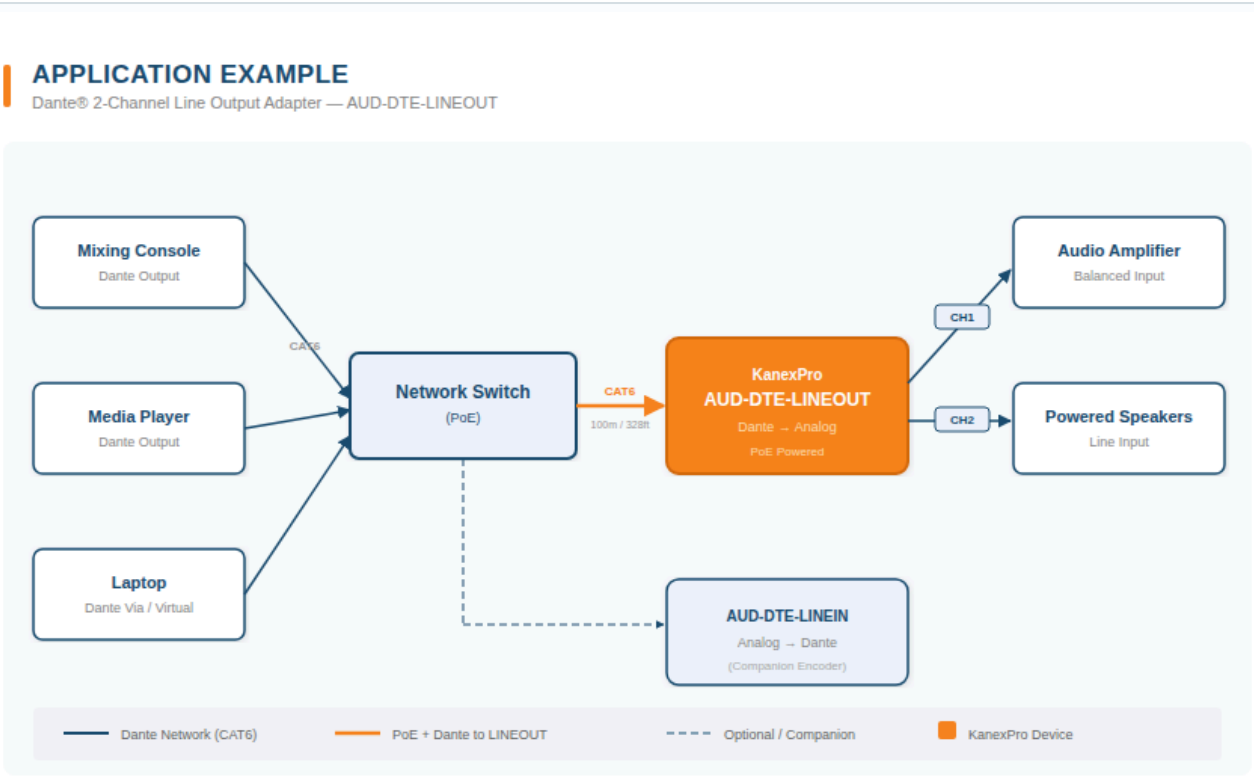
WIRING CONFIGURATION

Balanced connection (XLR): Pin 1 = GND, Pin 2 = Hot (+), Pin 3 = Cold (−)

Unbalanced connection (RCA): Tip = Hot (+), Sleeve = GND. Tie Cold (−) to GND.

nix connector wiring, connect Hot (+), Cold (−), and GND to the corresponding terminals on each channel block.

Application Example



TROUBLESHOOTING

Q: No audio from the connected amplifier or speakers?
A: Verify the Dante source is routed to the AUD-DTE-LINEOUT in Dante Controller. Check that the phoenix connector wiring matches the balanced or unbalanced configuration for your equipment. Confirm the gain knob is set to an appropriate level for the downstream device's input sensitivity.

Q: Device not appearing in Dante Controller?
A: Ensure the RJ45 cable is connected to a PoE-enabled port on a managed network switch. Verify the switch and your computer running Dante Controller are on the same subnet. Try pressing the RESET button to reboot the unit.

Q: Audio is distorted or clipping?
A: Reduce the gain knob position. If the downstream equipment expects consumer-level input (-10dBV), set the knob to position 5. For professional equipment expecting +4dBu, use position 2. Avoid setting the gain higher than the equipment's maximum input level.

Q: Can I use USB-C and PoE power simultaneously?
A: The device will accept power from either source. PoE takes priority when both are connected. USB-C serves as a backup or alternative when PoE switches are not available.

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