

Dante® 2CH XLR Input Adapter



User Manual

VER 1.0

Thank you for purchasing this product

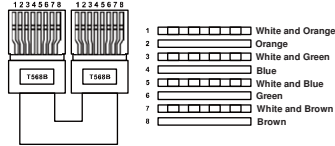
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Caution

The product requires the use of UTP connectors. Please connect in direct interconnection method and do not cross connect.



Direct Interconnection Method

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1. Introduction

This Dante® 2CH XLR Input Adapter is an audio transmitter based on the Dante® Ultimo 2x2 solution. It converts two-channel balanced/unbalanced XLR analog audio into Dante® 2CH digital audio, then transmits the audio to the receiving end through network (Dante®). Analog audio input supports 5-level sensitivity adjustment.

The adapter supports local USB-C port power supply and PoE function.

2. Features

- ☆ Two-channel XLR analog audio to Dante® 2CH digital audio
- ☆ Balanced/unbalanced XLR analog audio input
- ☆ Dante® audio sampling rate supports 44.1/48/88.2/96KHz@24bit
- ☆ Dante® audio delay supports 1/2/5ms (configurable)
- ☆ Analog audio input supports 5-level sensitivity adjustment (+24dBu, +4dBu, 0dBu, 0dBv, -10dBv)
- ☆ Supports local USB-C port power supply and PoE function (Class 0 802.3af PoE)
- ☆ Compact design for easy and flexible installation

3. Package Contents

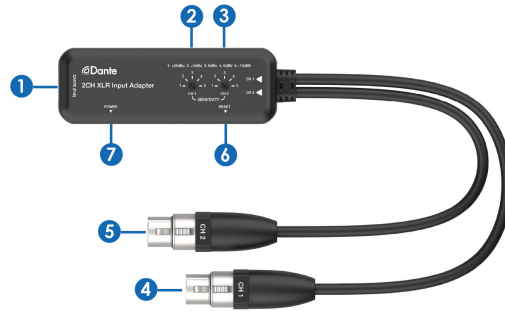
- ① 1x Dante® 2CH XLR Input Adapter
- ② 2x Hook & Loop
- ③ 1x User Manual

4. Specifications

| Technical | | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Input | Two-channel balanced/unbalanced XLR analog audio | |
| Output | Dante® 2CH digital audio | |
| Control Method | Dante® Controller | |
| Video Network Bandwidth | 100M | |
| Audio Latency | Configurable Dante® device latency (Supports 1, 2 or 5ms configurable using Dante® Controller) | |
| Audio Formats | XLR IN [Analog audio input, Balanced/unbalanced 2CH, Max input level +24dBu] DANTE OUT [Digital audio output, PCM 2CH 44.1K-96KHz 16/24bit] | |
| Audio Parameters | XLR Analog Audio In | |
| | Input Impedance | 20k Ohm balanced 10k Ohm unbalanced |
| | Line Input Level (Maximum) | +24dBu (12.28Vrms) @balanced audio +18dBu (6.15Vrms) @unbalanced audio |
| | Frequency Response | 20Hz to 20kHz (-/+0.5dB) |
| | Dynamic Range | >100dB@0dBu, 1kHzA-weighted |
| | Audio S/N Ratio | >100dB@0dBu, 1kHzA-weighted |
| | Audio THD+N | < 0.01% at +4dBu, 1KHz |
| | Audio Output Sync Delay | <10ms |
| Transmission Distance | 328ft/100m (CAT6/6A/7) | |
| ESD Protection | IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge) | |

| Connection | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| Input port | 2x CH1/CH2 XLR IN [XLR female plug, with 30cm cable] 1x POWER [USB-C power and firmware update port, 12-pin female] |
| Output port | 1x DANTE [RJ45 connector, PoE] |
| Others | 1x RESET button [System reboot button] 2x SENSITIVITY knob [5-level dip switch] |
| Mechanical | |
| Housing | Plastic Enclosure |
| Color | Black |
| Dimensions | 115mm [W] x 40mm [D] x 28 mm [H] |
| Weight | 173g |
| Power Supply | USB input: 5V/500mA PoE input: PoE IEEE802.3af Class 0 |
| Power Consumption | 2W (Max) |
| Operating Temperature | 32 ~ 104°F / 0 ~ 40°C |
| Storage Temperature | -4 ~ 140°F / -20 ~ 60°C |
| Operating Humidity | 20% ~ 80% RH (relative humidity, non-condensing) |
| Storage Humidity | 10% ~ 90% RH (relative humidity, non-condensing) |

5. Operation Controls and Functions

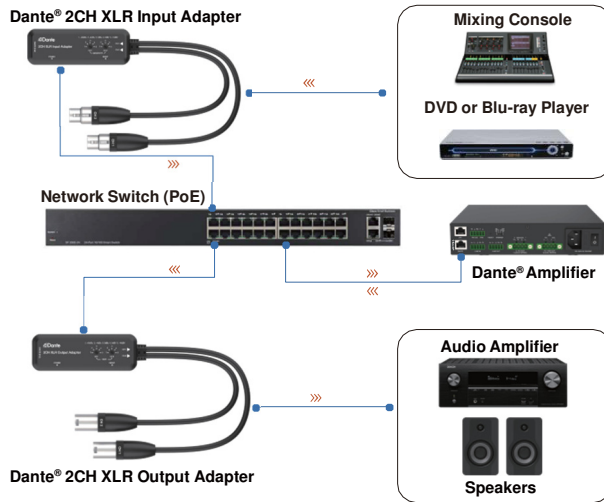


| No. | Name | Function Description |
|-----|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | DANTE (PoE) port | Dante® digital audio output port, connected to the Network Switch through RJ45 line, supporting PD power supply. The green LINK LED is always on after normal connection. The yellow DATA LED is flashing when there is data transmission. |
| 2 | CH1 Knob | The 5-level sensitivity adjustment knob for analog audio input channel 1. The knob arrows indicate: 1. +24dBu, 2. +4dBu, 3. 0dBu, 4. 0dBv, 5. -10dBv. |
| 3 | CH2 Knob | The 5-level sensitivity adjustment knob for analog audio input channel 2. The knob arrows indicate: 1. +24dBu, 2. +4dBu, 3. 0dBu, 4. 0dBv, 5. -10dBv. |
| 4 | CH1 plug | Balanced/unbalanced XLR analog audio input plug 1, connected to the analog audio source device. |
| 5 | CH2 plug | Balanced/unbalanced XLR analog audio input plug 2, connected to the analog audio source device. |
| 6 | RESET button | Press this button to reboot the unit. |

| No. | Name | Function Description |
|-----|------------|---------------------------------------------------------------------------------------------------------------|
| 7 | POWER port | USB-C port with following two functions: (1) USB-C 5V/500mA power input port. (2) Firmware update port. |

Note: The RESET button can only be used for device reboot, and device reset setting needs to be done through the Dante® Controller.

6. Application Example



Trademarks

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