ZENTY

Zenty | Professional A/V Solution Provider

User Manual [V1.0]

Dante 2CH Analog Audio Decoder with PoE (XLR)

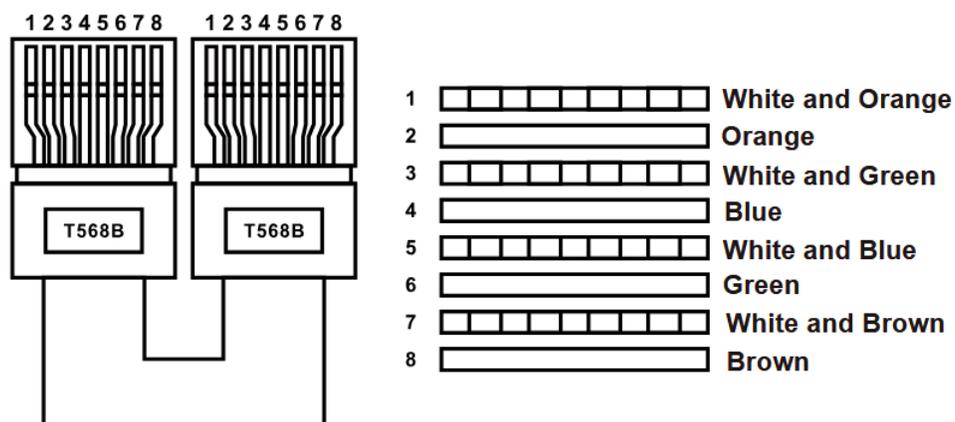### ZT-473 | ZT-DA2DX

RoHS compliant

CE FC

SAFETY PRECAUTIONS

- Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.
- Please keep the following in mind as you unpack and install this equipment:
- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

Caution

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

1	White and Orange
2	Orange
3	White and Green
4	Blue
5	White and Blue
6	Green
7	White and Brown
8	Brown

Direct Interconnection Method

Table of Contents

1. Introduction

This Dante ® 2CH XLR Output Adapter is an audio converter based on the Dante® Ultimo 2x2 solution. It converts Dante ® 2CH digital audio into two- channel balanced/unbalanced XLR analog audio. Analog audio output supports 5-level gain adjustment.

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

2. Features

- Dante ® 2CH digital audio to two-channel XLR analog audio
- Balanced/unbalanced XLR analog audio output
- Dante ® audio sampling rate supports 44.1/48/88.2/96KHz@24bit
- Dante ® audio delay supports 1/2/5ms (configurable)
- Analog audio output supports 5-level gain adjustment (+18dBu, +4dBu, 0dBu, 0dBv, -10dBv)
- Supports local USB-C port power supply and PoE function (Class 0802.3af PoE)
- Compact design for easy and flexible installation

3. Package Contents

- (1) x Dante 2CH XLR Output Adapter
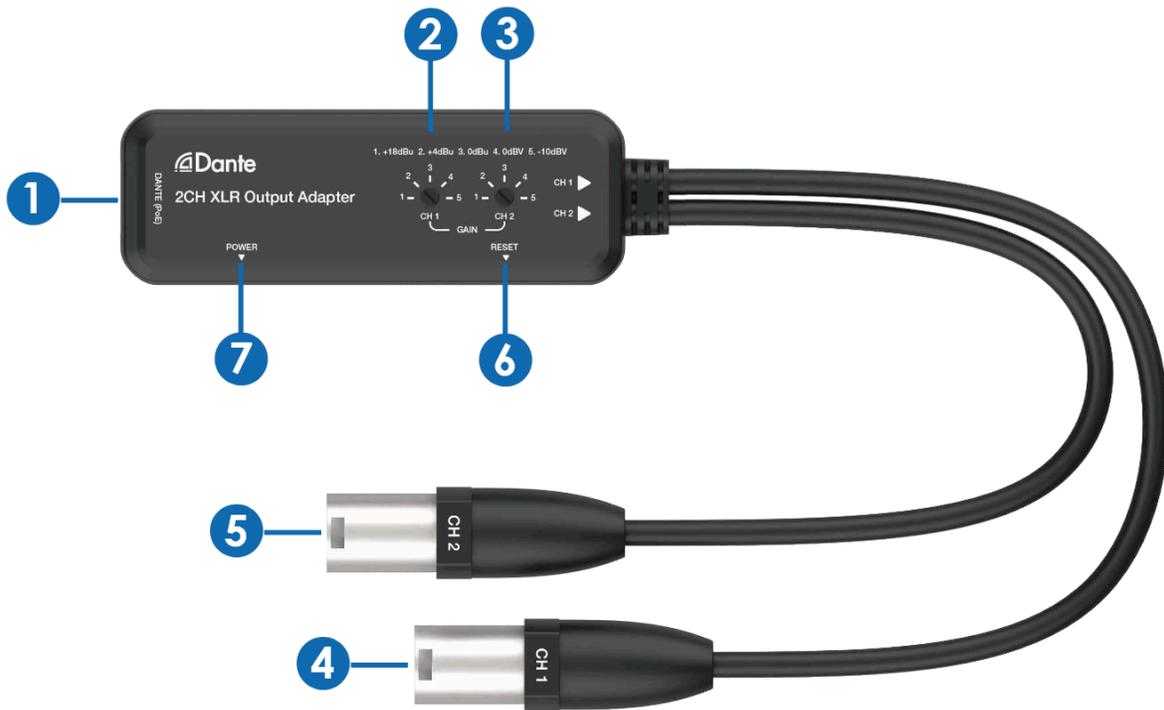- (2) x Hook & Loop
- (1) x User Manual

4. Specifications

Technical	
Input	Dante ® 2CH digital audio
Output	Two-channel balanced/unbalanced XLR analog 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	DANTE IN [Digital audio input, PCM 2CH 44.1K-96KHz 16/24bit] XLR OUT [Analog audio output, Balanced/unbalanced 2CH, Max input level +24dBu]

XLR Analog Audio Out

Audio Parameters	Input Impedance	600 Ohm balanced 300 Ohm unbalanced
	Line Input Level (Maximum)	+18dBu (6.15Vrms) @balanced audio +12dBu (3.08Vrms) @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)	

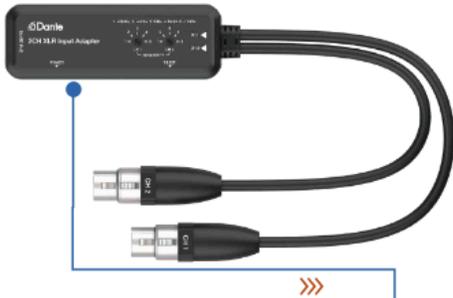|	
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input port	1x DANTE [RJ45 connector, PoE] 1x POWER [USB-C with USB power only, 12-pin female]
Output port	2x CH1/CH2 XLR OUT [XLR female plug, with 30cm cable]
Others	1x RESET button [System reboot button] 2x GAIN 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	1.25W (Max)
Operating Temperature	32 ~ 104°F / 0 ~ 40°C
Storage Temperature	-4 ~ 140°F / -20 ~ 60°C
Operating Humidty	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 gain adjustment knob for analog audio output channel 1. The knob arrows indicate: 1. +18dBu, 2. + 4dBu, 3. 0dBu, 4. 0dBv, 5. -10dBv.
3	CH2 Knob	The 5-level gain adjustment knob for analog audio output channel 2. The knob arrows indicate: 1. +18dBu, 2. + 4dBu, 3. 0dBu, 4. 0dBv, 5. -10dBv.
4	CH1 Plug	Balanced/unbalanced XLR analog audio output plug 1, connected to the analog audio playback device.

5	CH2 Plug	Balanced/unbalanced XLR analog audio output plug 2, connected to the analog audio playback device.
6	RESET Button	Press this button to reboot the unit.
7	POWER Port	USB-C 5V/500mA power input 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

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

Warranty

If your product does not work properly because of a defect in materials of workmanship, our company (referred to as "the warrantor") will, for the length of the period indicated as below, "Parts and Labor (5) Years", which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" limited warranty period, there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached phone and/or email address where you can be reached.

Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under "Limited Warranty Coverage". The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.

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