



Zenty | Professional A/V Solution Provider

## User Manual <sup>[V1.0]</sup>



### Dante 2CH Analog Audio Encoder with POE (Phoenix)

ZT-474 | ZT-DA2EP



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## 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.

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# 1. Introduction

This Dante 2CH Analog Audio Encoder is an audio transmitter based on the Dante Ultimo solution. It supports balanced/unbalanced audio input and 3-level gain adjustment. It encodes audio signals, and then transmits the audio to the receiving end through network (Dante). It supports POE function

# 2. Features

- Analog audio input supports balanced/unbalanced audio input (unbalanced access to "+" and "GND")
- Audio sampling rate supports 44.1kHz, 48kHz and 96kHz (24bit)
- Dante solution supports AES67 RTP audio transmission
- Audio input supports 3-level gain adjustment: +18dBu, 0dBu (default) and -10dBV
- Support DC 12V power supply and POE function (IEEE802.3af Class 0)

# 3. Package Contents

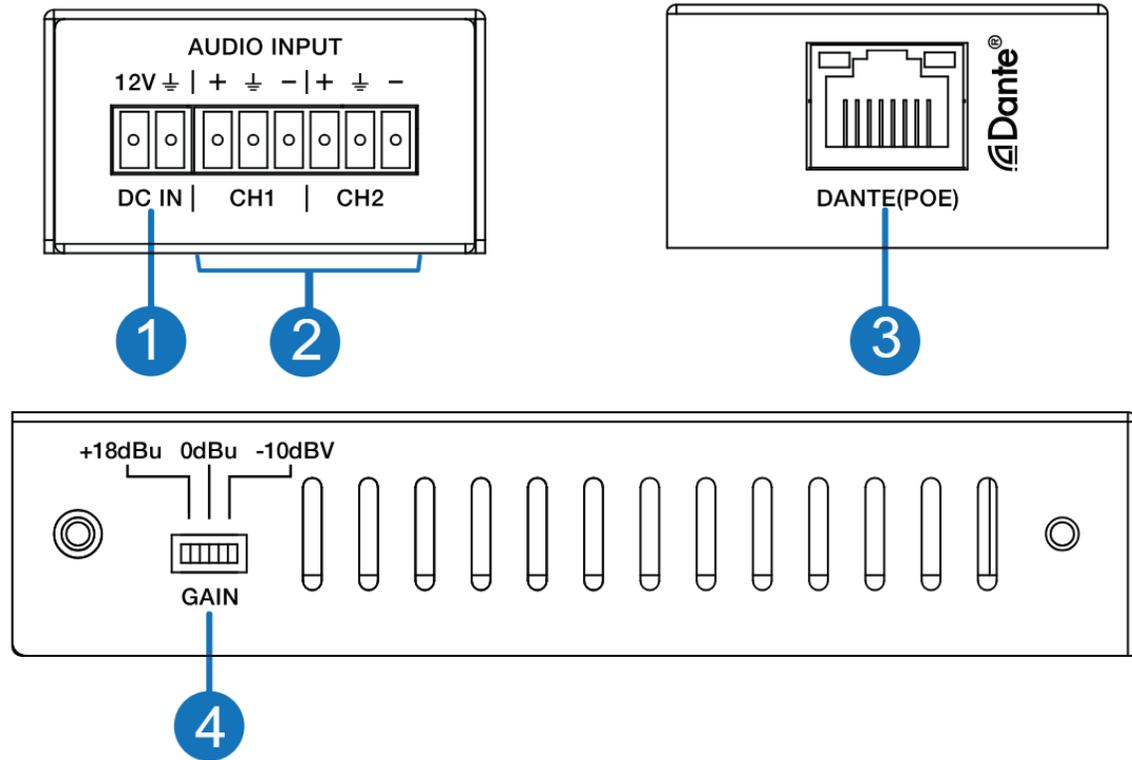
- (1) x Dante 2CH Analog Audio Encoder
- (1) x 6pin-3.81mm Phoenix Connector (male)
- (1) x 2pin-3.81mm Phoenix Connector (male)
- (1) x User Manual

# 4. Specifications

Technical	
Video Network Bandwidth	100M
Audio Formats	PCM 2.0 44.1kHz/48kHz/96kHz up to 24bit
Transmission Distance	100m (CAT6/6A)
Control Method	Dante Controller

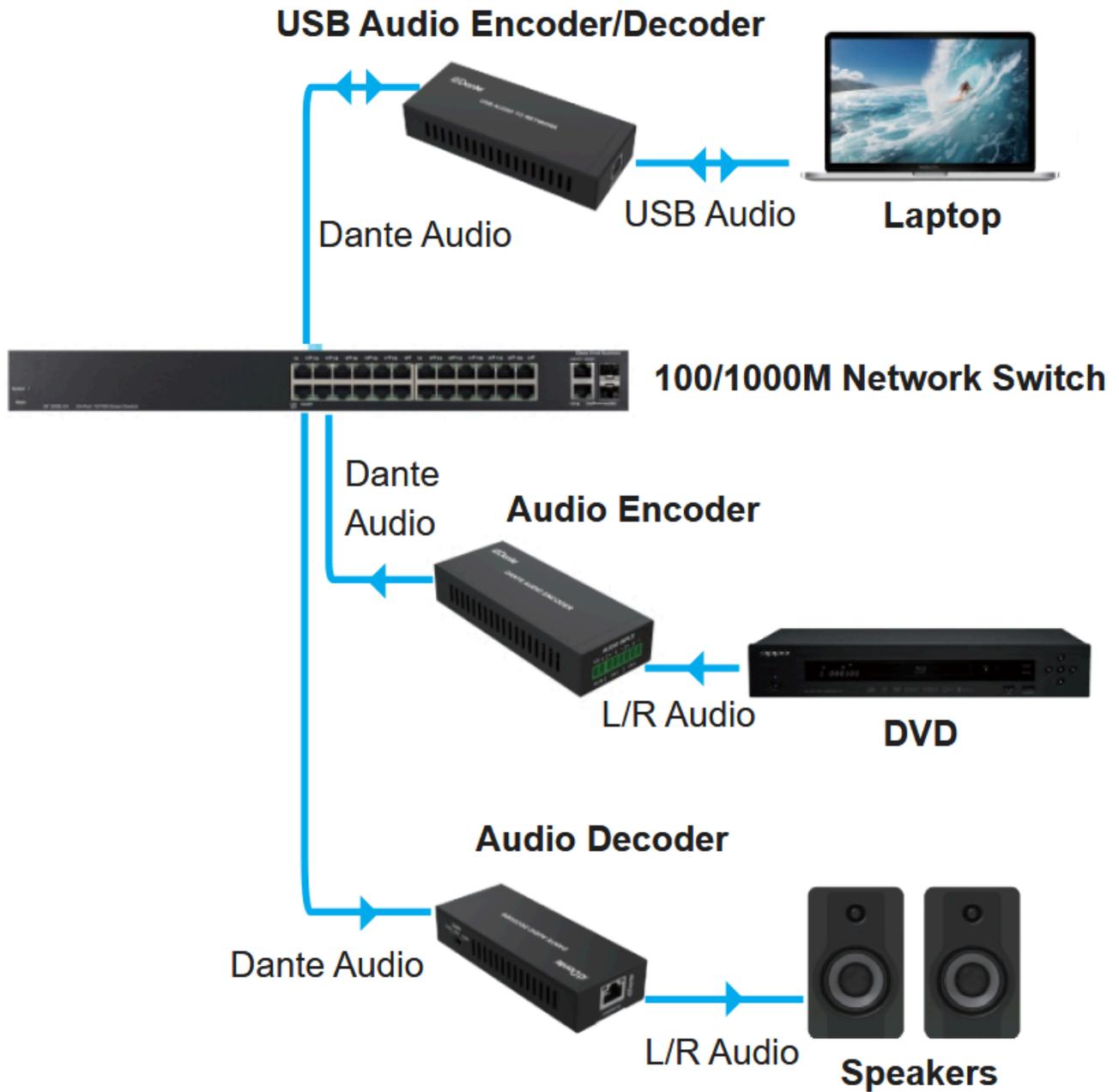
<b>Connection</b>	
Inputs	1x PWR [2-pin phoenix, 3.81mm] 1x AUD [6-pin phoenix, 3.81mm]
Output	1x DANTE [RJ45 connector, POE]
<b>Mechanical</b>	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm[W] x 47mm[D] x 26mm[H]
Weight	186g
Power Supply	DC input: 12V POE input: IEEE802.3af Class 0
Power Consumption	1.2W
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

## 5. Operation Controls and Functions



No.	Name	Function Description
1	DC IN	DC 12V power input port.
2	AUDIO INPUT (CH1/CH2)	2 channel analog audio input ports, supporting balanced and unbalanced audio.
3	DANTE (POE)	Dante digital audio output port. Connect 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.
4	GAIN switch	Used for audio input gain adjustment, respectively +18dBu, 0dBu (default), -10dBV.

## 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 or 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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