adertech

# DTA-UD

## Dante 2CH USB Audio Encoder/Decoder




## User Manual

## Thank you for purchasing this product

We have done everything possible to ensure that our equipment pleases our consumers. When solving any problems in the operation and connection ADERTECH equipment, it is best to contact authorized companies and specialists who work with our equipment. Our equipment is intended for professional use, so you have professional skills in using such equipment. ADERTECH is a manufacturer of a wide range of multimedia solutions.

## Surge protection device recommended

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

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## 1. Introduction

This Dante 2CH USB Audio Encoder/Decoder is a Dante sound card adapter based on the Dante Ultimo solution. It supports USB audio transmission. Built-in USB sound card chip, it transmits audio signal through network (Dante). It supports USB power supply and POE function. The product is compact and easy to carry, plug and play, suitable for recording studios, art festivals, concerts and other scenes.

## 2. Features

☆ Compliant with USB 2.0 Full Speed Operation
☆ Compliant with USB Audio Device Class Specification V1.0
☆ Analog sound card, supporting MIC input and SPK output
☆ Audio sampling rate supports 44.1kHz, 48kHz and 96kHz (24bit)
☆ Dante solution supports AES67 RTP audio transmission
☆ Support USB 5V power supply and POE function (IEEE802.3af Class 0)

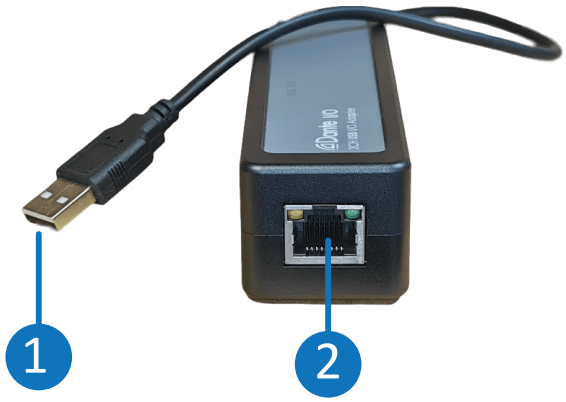
## 3. Package Contents

· 1× Dante 2CH USB Audio Encoder/Decoder

## 4. Specifications

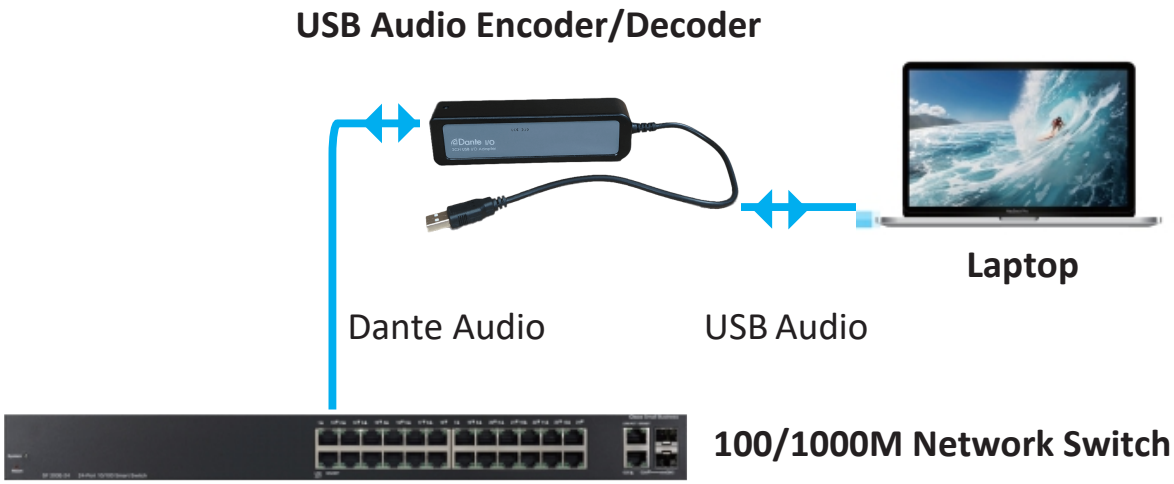
| Technical | |
|---|---|
| Video Network Bandwidth | 100M |
| Audio Formats | PCM 2.0 44.1kHz/48kHz/96kHz up to 24bit |
| Transmission Distance | 100m (CAT6/6A) |
| Frequency Response | 20Hz to 20kHz |
| Control Method | Dante Controller |
| **Connection** | |
| Input & Output | 1x USB-A (male)<br>1x DANTE [RJ45 connector, POE] |
| **Mechanical** | |
| Housing | Metal Enclosure |
| Color | Black |
| Dimensions | 123mm[W] x 34mm[D] x 30mm[H] |
| Weight | 280g |
| Power Supply | USB input: 5V-500MA<br>POE input: IEEE802.3af Class 0 |
| Power Consumption | 1W |
| 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 | USB(FROM PC) | (1) 2-channel USB digital audio signal port: L/R mixed input and L/R stereo output.<br>(2) USB 5V power input port. |
| 2 | DANTE (POE) | Dante digital audio input and output port.<br>Connect to the Network Switch through RJ45 line, supporting PD power supply.<br>The green LINK LED is always on after normal connection.<br>The yellow DATA LED is flashing when there is data transmission. |

# 6. Application Example

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