TURTLE

DANTE PRO USB I/O CONVERTER

User Manual
VER 1.0

TURTLE

Thank you for purchasing TURTLE 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, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Table of Contents

1. Introduction

Experience flawless bi-directional conversion between two-channel USB audio and Dante® 2CH digital audio. This versatile adapter is USB audio device class 1.0/2.0 compatible, supporting USB output up to 24bit/192KHz and input up to 24bit/96KHz. With Dante® audio sampling rates of 24bit at 44.1, 48, 88.2, and 96KHz, it delivers exceptional audio quality. The configurable Dante® audio delay (1, 2, or 5 milliseconds) ensures precision in any setup. Power by PoE or USB-C, for maximum powering flexibility.

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
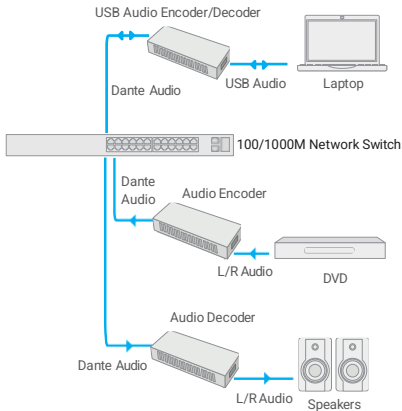· 1× USB Cable (6FT USB A to USB B)
· 1× User Manual

4. Specifications

Technical	
Video Network Bandwidth	100M
Audio Formats	PCM 2.0 44.1kHz/48kHz/96kHz up to 24bit
Transmission Distance	100m (CAT6/6A)
Frequency Response	20Hz to 20kHz
Control Method	Dante Controller
Connection	
Input & Output	1x USB-B 1x DANTE [RJ45 connector, POE]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm[W] x 47mm[D] x 26mm[H]
Weight	188g
Power Supply	USB input: 5V-500MA 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. (2) USB 5V power input port.
2	**DANTE (POE)**	Dante digital audio input and 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.

6. Application Examplev

USB Audio Encoder/Decoder

Dante Audio   USB Audio   Laptop

100/1000M Network Switch

Dante
Audio   Audio Encoder

L/R Audio   DVD

Audio Decoder

Dante Audio

L/R Audio   Speakers

Trademarks
Dante® is registered trademark of Audinate Pty Ltd. All
other trademarks are the property of their respective
owners.