



Muxlab 500550 Dante 2-Channel USB Audio Encoder-Decoder User Manual

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Muxlab-logo

Muxlab 500550 Dante 2-Channel USB Audio Encoder-Decoder



The Dante 2-Channel USB Audio Encoder/Decoder (Model: 500550) is a versatile device that can encode 2-channel USB audio to a Dante digital signal and decode a Dante digital signal to 2-channel USB audio. It is designed for easy plug & play use and can be powered either through PoE from any PoE network switch or via 5V from a USB device. The compact size of the product makes it portable and convenient to carry.

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
- Supports USB 5V power supply and PoE function (IEEE802.3af Class0)

Package Contents:

- One (1) Dante 2-Channel USB Audio Encoder/Decoder
- One (1) USB Cable (6FT USB A to USB B)
- One (1) User manual (available via download)

Specifications:

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

Operation Controls and Functions:

No	Name	Function Description
1	USB (From PC)	(1) 2-channel USB digital audio signal port: L/R stereo 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 flashing when there is data transmission. The yellow DATA LED is always on after normal connection.

For more information and updates, follow us on social media.

Safety Precautions

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for future reference.

- Follow basic safety precautions to reduce the risk of fire, electrical shock, and injury.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burns.
- Do not open or remove the housing of the device as you may be exposed to dangerous voltage or other hazards.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture and do not install this product near water. Keep the product away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on the housing, unplug the module immediately.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Using supplies or parts not meeting the product specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- Install the device in a place with adequate ventilation to avoid damage caused by overheat.
- Unplug the power when left unused for a long period of time.
- Information on disposal of devices: do not burn or mix with general household waste, please treat them as normal electrical waste.

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Introduction

The Dante 2-Channel USB Audio Encoder/Decoder (Model: 500550) is designed to both encode 2ch USB audio to a Dante digital signal, and decode a Dante digital signal to 2ch USB audio. The unit is plug & play and can be powered using either PoE from any PoE network switch or via 5V from the USB device; In addition, the product is compact and easy to carry.

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 Class0)

Package Contents

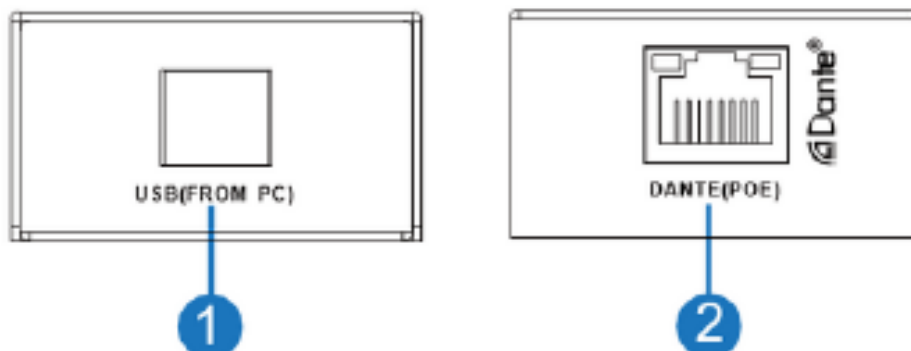
- One (1) Dante 2-Channel USB Audio Encoder/Decoder
- One (1) USB Cable (6FT USB A to USB B)
- One (1) User manual (available via download)

Notes Confirm that the product and accessories are all included. If not, please contact the supplier from which you purchased the unit.

Specifications

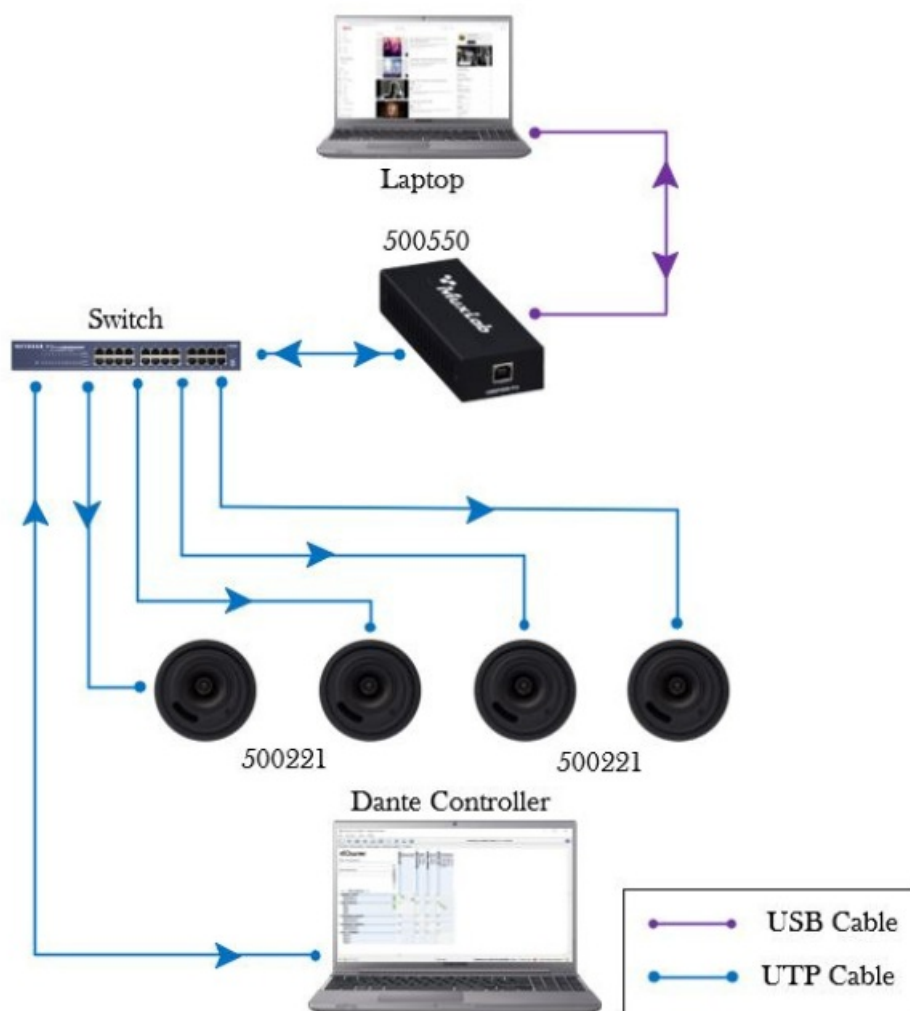
Technical	
Video Network Bandwidth	100M
Audio Formats	PCM 2.0 44.1kHz/48kHz/96kHz up to 24bit
Transmission Distance	100m (CAT6/6A)
Control Method	Dante Controller
Connection	
Input & Output	1 x USB-B 1 x DANTE [RJ45 connector, PoE]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	120mm[W] x 47mm[D] x 26mm[H]
Weight	186g
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)
Warranty	
Warranty	2 years
Order Information	
Order Information	500550 Dante 2 Channel USB Audio Encoder/Decoder (UPC: 627699005507)

Operation Controls and Functions



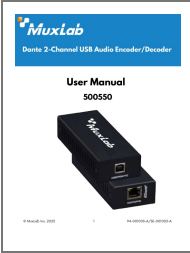
No	Name	Function Description
1	(1) 2-channel USB digital audio signal port: L/R stereo input and L/R stereo output. USB (From PC) (2) USB 5V power input port.	
2	Dante digital audio input and output port. Connect to the Network Switch through RJ45 line, supporting PD power supply. Dante PoE The green LINK LED is flashing when there is data transmission. The yellow DATA LED is always on after normal connection.	

Application Diagram



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Documents / Resources

	<p>Muxlab 500550 Dante 2-Channel USB Audio Encoder-Decoder [pdf] User Manual</p> <p>500550 Dante 2-Channel USB Audio Encoder-Decoder, 500550, Dante 2-Channel USB Audio Encoder-Decoder, 2-Channel USB Audio Encoder-Decoder, USB Audio Encoder-Decoder, Audio Encoder-Decoder, Encoder-Decoder, Decoder, Encoder</p>
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References

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