

Dante® 2-Channel USB Audio Interface

Bidirectional USB-to-Dante® Encoder/Decoder with PoE

MPN: AUD-DTE-USB



Thank you for purchasing this 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 recommended: This product contains sensitive electrical components that may be damaged by electrical spikes or surges. Use of surge protection is highly recommended.

Network cable note: This product requires direct connection. Do not cross-connect. Use CAT6 or CAT6A straight-through Ethernet cable.

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1. INTRODUCTION

The KanexPro AUD-DTE-USB is a bidirectional Dante® USB audio interface built on the Dante Ultimo solution. It connects any Windows or Mac computer to a Dante® audio network as a 2-channel audio endpoint, encoding USB audio to Dante® and decoding Dante® audio back to the computer simultaneously. The device functions as a standard USB Audio Class 1.0 sound card — no drivers required. It supports USB power from the connected host or PoE power from a network switch.

2. FEATURES

- Compliant with USB 2.0 Full Speed Operation
- Compliant with USB Audio Device Class Specification V1.0 — no drivers required on Windows or Mac
- Bidirectional 2-channel audio: USB input/output ↔ Dante® network (simultaneous encode and decode)
- Analog sound card functionality supporting MIC input and SPK output via connected computer
- Dante® audio sampling rate: 44.1kHz, 48kHz, and 96kHz at 24-bit
- AES67 RTP audio transmission compatible
- Dual power: USB 5V/500mA from host computer or PoE IEEE 802.3af Class 0 from network switch
- Compact metal enclosure for durability in professional installations

3. PACKAGE CONTENTS

1× Dante® 2CH USB Audio Interface (AUD-DTE-USB)

1× USB Cable (6ft USB-A to USB-B)

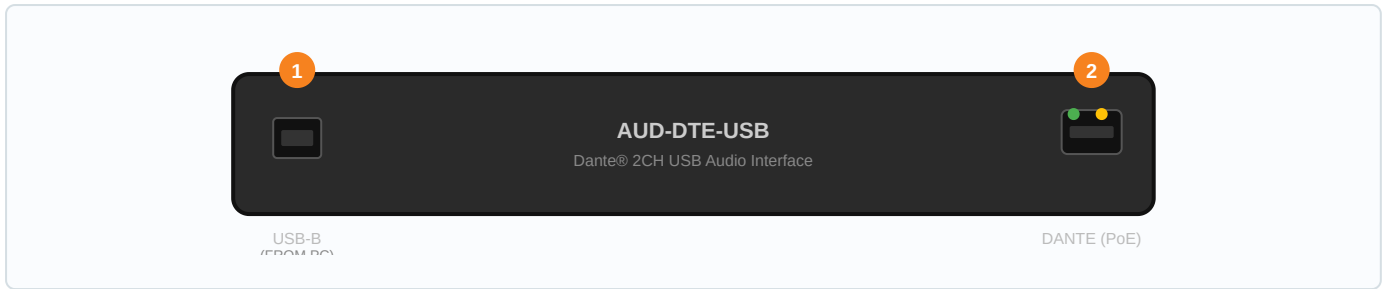
1× User Manual

4. SPECIFICATIONS

TECHNICAL	
Audio Formats	PCM 2CH, 44.1kHz / 48kHz / 96kHz, up to 24-bit
USB Compliance	USB 2.0 Full Speed; USB Audio Device Class V1.0
Network Bandwidth	100Mbps
Transmission Distance	Up to 100m / 328ft (CAT6 / CAT6A)
Control Method	Dante® Controller software
AES67	Supported (RTP audio transmission)
Frequency Response	20Hz – 20kHz
CONNECTION	
Input / Output	1× USB-B (bidirectional audio + 5V power); 1× Dante RJ45 (PoE)
POWER	
Power Supply	USB input: 5V / 500mA (from host); PoE: IEEE 802.3af Class 0
Power Consumption	1W (max)
MECHANICAL	
Housing	Metal enclosure
Color	Black
Dimensions	120mm [W] × 47mm [D] × 26mm [H]
Weight	188g
ENVIRONMENTAL	
Temperature	Operating: 0°C–40°C Storage: –20°C–60°C
Humidity	20%–90% RH non-condensing



5. OPERATION CONTROLS AND FUNCTIONS



NO.	NAME	FUNCTION DESCRIPTION
1	USB (FROM PC) USB-B	Dual-function USB-B port: (1) Bidirectional 2-channel USB digital audio — L/R stereo input and L/R stereo output between connected PC/Mac and the Dante® network. Functions as a USB Audio Class 1.0 sound card (no drivers required). (2) USB 5V power input — the unit draws operating power from the connected computer's USB port when PoE is not available. Connect using the included 6ft USB-A to USB-B cable.
2	DANTE (PoE) RJ45	Dante® digital audio bidirectional network port. Connect to a PoE-capable network switch via CAT6 or CAT6A cable (max 100m / 328ft). Transmits and receives Dante® 2CH PCM audio across the network. Green LINK LED: solid on when network connection is established. Yellow DATA LED: flashes when data is being transmitted. Provides PoE power (IEEE 802.3af Class 0) to the unit when connected to a PoE-capable switch.

CONNECTING TO A DANTE® NETWORK

Connect the DANTE (PoE) port to a PoE-capable network switch using a CAT6 or CAT6A Ethernet cable. Connect the USB-B port to a Windows or Mac computer using the included USB cable. The computer will detect the device as a standard USB sound card automatically. Open Dante Controller software on any computer on the same network to configure routing and latency settings.

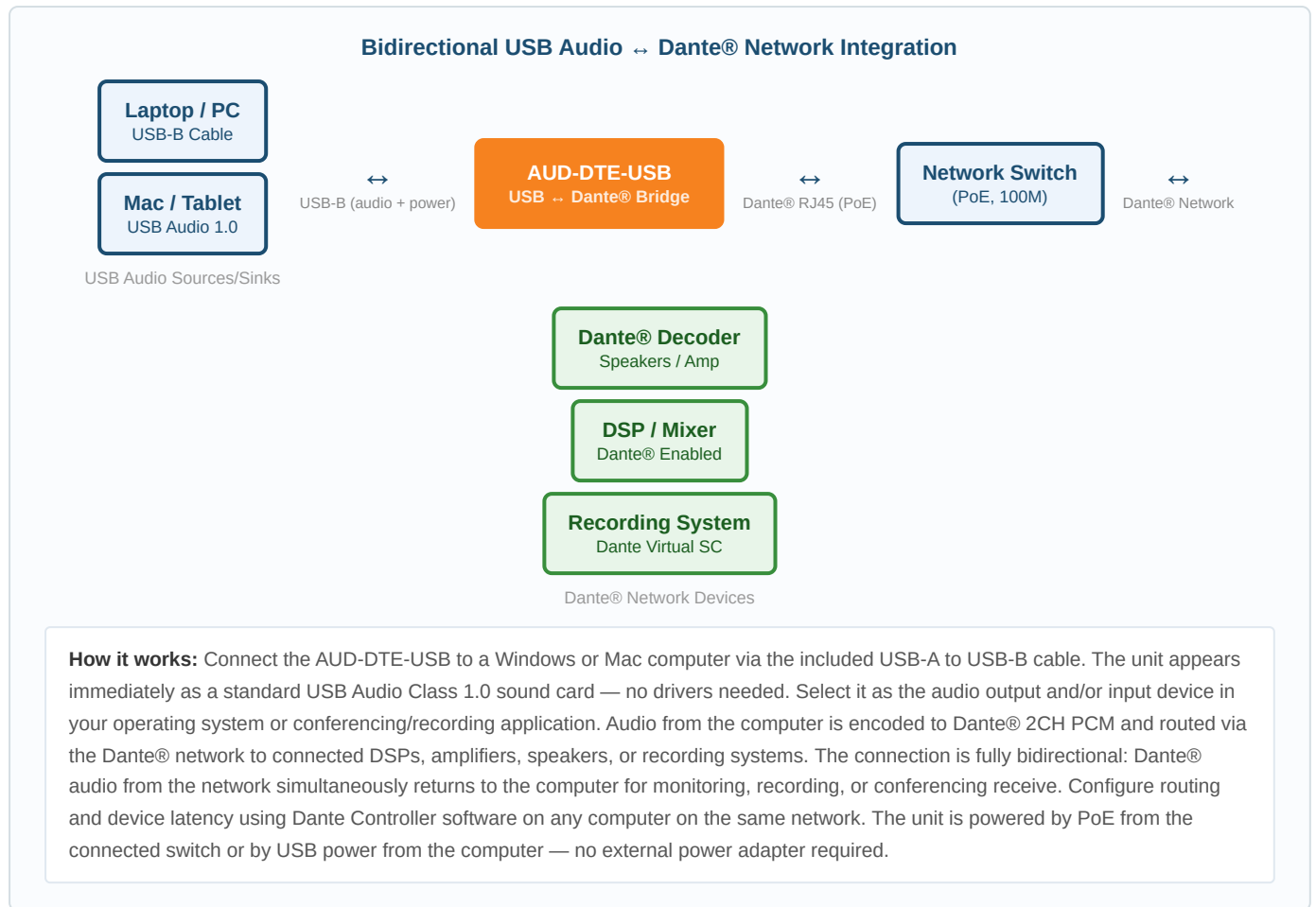
POWER OPTIONS

PoE (recommended): When connected to a PoE-capable switch (IEEE 802.3af Class 0), the unit is powered via the Ethernet cable. No additional power supply is required.

USB power: When the USB-B port is connected to a computer, the unit draws 5V/500mA from the computer's USB port. Both the audio and power functions share the same USB-B connection.



6. APPLICATION EXAMPLE



TRADEMARKS

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

