



DXA-USB-ED

Dante® USB Transceiver

USER MANUAL

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Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating, or adjusting this product. Keep this manual for future reference.

Important Safety Note – Surge Protection Recommended

This product contains sensitive electronic components that may be damaged by electrical spikes, surges, lightning strikes, or static discharge. To protect and extend the service life of your equipment, we strongly recommend using a surge protection device.

Warranty Registration

Activate your warranty by registering your product at:
→ www.orei.com/register

Need Technical Support? We're Here to Help.

Our experienced Technical Support Team is available to answer your questions, offer expert advice, and help troubleshoot any issues to keep your project on track—on time and on budget.

Live Support Hours (US/Canada/Mexico):

🕒 Monday–Friday | 9:00 a.m. – 5:00 p.m. Central Time

Contact Us:

✉ Email: info@orei.com

📞 Phone: 877-290-5530

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Send us an instant message—our team typically responds within moments during live support hours.

Introduction

The ToVi DXA-USB-ED is a 2-channel Dante® audio transceiver that bridges USB audio devices with professional Dante® networks. Based on the Dante® Ultimo platform, this compact adapter functions as a high-quality USB sound card, enabling seamless transmission of analog audio over standard IP networks, with full AES67 compatibility. It delivers high-quality audio with 24-bit sampling rate at 44.1 kHz, 48 kHz, and 96 kHz and is compliant with USB Audio Device Class specifications v1.0.

The unit can be powered directly from the USB port (5V) or via PoE (IEEE 802.3af Class 0). This plug-and-play device is ideal for various applications including live sound, recording studios, and broadcast environments where reliable network audio conversion is required.



1. **Dante® USB Audio Interface** – Bridges USB audio devices with Dante® networks.
2. **USB Audio Class Compliant** – Compatible with standard USB audio protocols.
3. **Analog Audio Support** – Provides microphone input and speaker output functionality.
4. **High-Resolution Audio** – 44.1 kHz, 48kHz, and 96kHz sampling rates at 24-bit depth.
5. **Dante® Network Audio** – AES67-compliant audio over IP transmission.
6. **Dual Power Options** – Powered via USB 5V or PoE (IEEE 802.3af) for flexible installation.
7. **Compact Portable Design**– Lightweight construction for mobile applications.
8. **Plug-and-Play Setup** – Simple installation without driver requirements.

Package Contents & Specifications

Package Contents

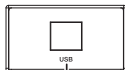
1.	DXA-USB-ED	1 pcs
2.	USB Cable (6FT USB A to USB B)	1 pcs
3.	User Manual	1 pcs

Specifications

Technical	
Network Bandwidth	100Mbps
Audio Formats	PCM 2.0 44.1kHz / 48kHz / 96kHz up to 24bit
Transmission Distance	328ft / 100m (CAT6/6A)
Frequency Response	20Hz to 20kHz
Control Method	Dante® Controller
Connections	
Input & Output	1 × USB-B 1 × DANTE [RJ45 connector, PoE]

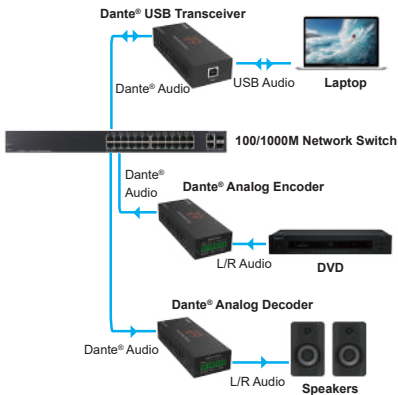
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	L: 120mm / 4.72in W: 47mm / 1.85in H: 26mm / 1.02in
Weight	188g / 6.63oz
Power Supply	USB input: 5V-500MA PoE input: IEEE802.3af Class 0
Power Consumption	1W (Max)
Operation Temperature	32°F~104°F / 0°C~40°C
Storage Temperature	-4°F~140°F / -20°C~60°C
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relative humidity, non-condensing

Operation Controls and Functions



No.	Name	Function Description
1.	USB	2-channel USB digital audio port; supports L/R mixed audio input and L/R stereo audio output, and also supports 5V USB power from the connected device.
2.	DANTE (POE)	Connect to a 1G network switch for PoE and signal transmission. Green LINK LED: Remains steady when the network connection is established successfully. Yellow DATA LED: Blinks during active Dante® audio data transmission.

Application Example



Trademarks

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

FAQs & Troubleshooting

1. Is the device plug-and-play on Windows and macOS?

Yes. The DXA-USB-ED uses USB Audio Device Class standards and is recognized automatically by most Windows and macOS systems. No additional drivers are required for basic operation.

2. How do I route audio to and from the device?

All audio routing is done through Dante® Controller. The device will appear as a Dante® transmitter and receiver, allowing audio channels to be patched to and from other Dante®-enabled devices, including other ToVi Dante® models

3. The device does not appear in Dante® Controller

- Confirm the device is powered (via USB or PoE).
- Make sure your computer and the device are on the same network/subnet.
- Disable or configure firewalls that may block network discovery.

4. No audio is heard even though routing is correct

- Verify the audio routing in Dante® Controller (Tx → Rx).
- Check that the mute function is not enabled on the transmitting device.
- Ensure audio levels are not set too low.

5. Audio is distorted or not playing correctly

- Confirm that all Dante® devices are set to the same sample rate.
- Check for clock sync issues in Dante® Controller.
- Avoid network congestion by using a dedicated Gigabit Ethernet switch.

Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on the website. Our team will be more than happy to help you.

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