



DXA-A2-TX

Dante® Analog Encoder

USER MANUAL

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Table of Contents

Introduction	04
Features	05
Package Contents	06
Specifications	06
Operation Controls and Functions	08
Application Example	10
FAQs & Troubleshooting	11

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-A2-TX is a 2-channel Dante analog audio encoder designed to transmit high-quality analog audio over standard IP networks with full AES67 compatibility. It supports both balanced and unbalanced audio inputs and offers three selectable gain levels (+18 dBu, 0 dBu, and -10 dBV) to accommodate different signal types and installation needs.

With support for 24-bit audio sampling at 44.1 kHz, 48 kHz, and 96 kHz, the DXA-A2-TX ensures clean, accurate audio delivery for professional AV environments. The unit can be powered via PoE (IEEE 802.3af Class 0) or through a 12V DC 2-pin phoenix connector, offering flexibility for diverse deployment setups.



1. **Dante® Network Audio Transmission** – Encodes 2-channel analog audio to Dante®/AES67 digital streams.
2. **Balanced/Unbalanced Audio Input** – Supports professional and consumer-level audio connections via Phoenix connectors.
3. **High Sampling Rate** – Supports 44.1 kHz, 48kHz, and 96kHz sampling rates at 24-bit depth.
4. **3-Level Input Gain Adjustment** – Configurable input levels: +18dBu, 0dBu, or -10dBV.
5. **Power over Ethernet (PoE)** – Supports IEEE 802.3af for single-cable power and data.
6. **AES67 Compatibility** – Ensures interoperability with standards-based audio-over-IP systems.
7. **Compact and Durable Housing** – Professional metal enclosure suitable for fixed installations.
8. **Plug-and-Play Setup** – Simple installation with included connectors and intuitive operation.

Package Contents & Specifications

Package Contents

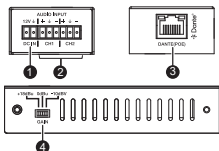
1.	DXA-A2-TX	1 pcs
2.	6pin-3.81 mm Phoenix Connector (male)	1 pcs
3.	2pin-3.81 mm Phoenix Connector (male)	1 pcs
4.	User Manual	1 pcs

Specifications

Technical	
Network Bandwidth	100Mbps
Audio Formats	PCM 2.0 44.1kHz/48kHz/96kHz up to 24bit
Transmission Distance	328ft/100m (CAT6/6A)
Control Method	Dante® Controller
Connections	
Input	1 × PWR [2-pin phoenix, 3.81 mm] 1 × AUD [6-pin phoenix, 3.81 mm]
Output	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	186g / 6.56oz
Power Supply	DC input: 12V PoE input: IEEE802.3af Class 0
Power Consumption	1.2W (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

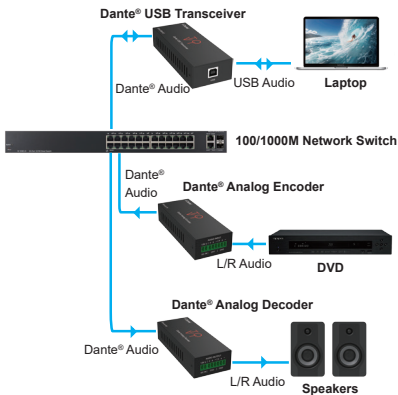


No.	Name	Function Description
1.	DC IN	Use the included 2-pin Phoenix connector to power the device. The unit supports PoE, so an external power supply is not required when connected to a PoE-enabled network switch.
2.	AUDIO INPUT (CH1/CH2)	Use the included 6-pin Phoenix connector to connect your audio source. Both balanced and unbalanced audio inputs are supported.

Operation Controls and Functions

No.	Name	Function Description
3.	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.
4.	GAIN switch	Allows selection between three gain levels: +18 dBu, 0 dBu, and -10 dBV.

Application Example



Trademarks

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

1. The device does not appear in Dante® Controller

- Confirm the device is powered (via DC 12V or PoE).
- Make sure your computer and the device are on the same network/subnet.
- Disable or configure firewalls that may block network discovery.

2. How do I route audio from the device?

All audio routing is managed through Dante® Controller software. The device appears as a Dante® transmitter, allowing its audio channels to be routed to other Dante®-enabled devices, including ToVi Dante® models.

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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