

Dante Powered 2-Channel Analog Audio Encoder with POE

Analog Audio to Digital Audio

MPN: AUD-DTE-ECODE



The **KanexPro AUD-DTE-ECODE 2CH** Analog Audio Encoder is an audio transmitter based on the Dante Ultimo solution. It supports balanced audio input and 3- level gain adjustment. It encodes audio signals, and then transmits the audio to the receiving end through network (Dante). It supports POE function.

This is a Dante-powered 2-channel analogue audio encoder with Power over Ethernet (PoE). It is designed to integrate analog audio sources into a Dante audio-over-IP network, enabling seamless audio distribution over Ethernet. This device is ideal for professional audio applications where analog audio signals need to be converted into digital format and sent over a network using Dante.

Applications:

The KanexPro AUD-DTE-ECODE Dante-powered 2-channel analog audio encoder with PoE is a versatile device that enables the integration of analog audio sources into a Dante audio-over-IP network. This makes it ideal for a variety of professional audio applications where analog signals need to be converted and distributed within a digital network. Below are the key applications of the KanexPro AUD-DTE-ECODE:

- Broadcasting Stations
- Live Sound Systems
- Corporate AV and Conference Rooms
- Recording Studios
- Theatrical Productions and Performing Arts
- Education and Training Facilities
- Multi-Room Audio Systems in Commercial and Residential Installations

Key Benefits of Using an AUD-DTE-ECODE:

- Seamless Integration with Dante Network
- Power over Ethernet (PoE) for Simplified Installation
- Analog-to-Dante Audio Conversion
- Low-Latency and High-Quality Audio Transmission
- Compact and Durable Design
- Easy Setup and Management with Dante Controller
- Cost-Effective Solution for Analog-to-Digital Audio Conversion
- Flexibility in Application
- Enhanced Audio Routing and Distribution
- Reliable and Redundant Networking

FEATURES

- Analog audio input supports balanced/unbalanced audio input (unbalanced access to "+" and "GND")
- Audio sampling rate supports 44.1kHz, 48kHz and 96kHz (24bit)
- Dante solution supports AES67 RTP audio transmission
- Audio input supports 3-level gain adjustment: +18dBu, 0dBu (default) and -10dBV
- Support DC 12V power supply and POE function (IEEE802.3af Class 0)

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
Encoding	PCM 16, 24, 32
Latency	5.0, 2.0, 1.0 msec
Sample Rate	44.1K, 48K, 88.2K, 96K
Connection	
Input	1x PWR [2-pin phoenix, 3.81mm] 1x AUD [6-pin phoenix, 3.81mm]
Output	1x DANTE [RJ45 connector, POE]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm[W] x 47mm[D] x 26mm[H]
Weight	186g
Power Consumption	1.2 Watt
Power Supply	DC input: 12V POE input: IEEE802.3af Class 0
Operation Temperature	32 ~ 104°F / 0 ~ 40°C
Storage temperature	-4 ~ 140°F / -20 ~ 60°C
Relative Humidity	20 ~ 90% RH (no condensation)

APPLICATION DIAGRAM

