

Dante Powered 2-Channel Analog Audio Decoder with POE

Analog Audio to Digital Audio

MPN: AUD-DTE-DCODE

The KanexPro AUD-DTE-DCODE Dante 2CH Analog Audio Decoder is an audio receiver based on the Dante Ultimo solution. It supports balanced/unbalanced audio output and 3- level gain adjustment. It receives audio signals from the transmitting end through network (Dante), then decodes and outputs the audio as analogue audio. It supports POE function.

This is a 2-channel analogue audio decoder designed to work with Dante audio-over-IP networks. It features Power over Ethernet (PoE), allowing the device to be powered through the Ethernet cable, which simplifies installation by reducing the need for a separate power supply. It is ideal for situations where you need to integrate Dante audio into a system that requires analogue audio outputs, and the use of PoE ensures a streamlined setup process.

Applications:

- The KanexPro AUD-DTE-DCODE Dante Powered 2CH Analog Audio Decoder with PoE is designed for a variety of professional audio applications, particularly in environments that use Dante audio-over-IP networks. Some of the key applications include:
- Sound Reinforcement Systems
 - Commercial Audio Systems
 - Broadcasting and Media Production
 - Commercial Installations
 - Multi-Room Audio Systems
 - Education and Training Facilities
 - Healthcare Facilities



Key Benefits of Using an AUD-DTE-DCODE:

- Seamless Integration with Dante Network
- Power over Ethernet (PoE) for Simplified Installation
- Two-Channel Analog Audio Output
- 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 DANTE [RJ45 connector, POE] 1x PWR [2-pin phoenix, 3.81mm]
Output	1x AUD [6-pin phoenix, 3.81mm]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm[W] x 47mm[D] x 26mm[H]
Weight	186g
Power Consumption	1.32 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

