

DT2002

Surface-Mount 2-Input / 2-Output Dante / AES67 Network Audio Interface



Description

The DT2002 is a compact Dante network audio interface designed to integrate 2 input and 2 output Dante audio channels into networked AV systems. Each input channel is equipped with switchable 48V phantom power to support condenser microphones and other professional audio peripherals.

The unit complies with the IEEE 802.3af PoE standard for power delivery, and its small footprint enables flexible, close-proximity deployment near audio sources or playback endpoints. This design eliminates both the cost and signal interference risks associated with long-distance analog wiring runs.

Features

- Dual analog input & output channels, universally compatible with line-level and microphone-level audio sources to cover diverse on-site application needs
- Independent 0 dB to +48 dB gain adjustment per input channel, flexibly matching different types of microphones and audio devices for optimal signal level
- Precise output volume control across a -60 dB to 0 dB range, allowing fine-tuning of playback levels for different scenarios
- Per-channel switchable 48 V phantom power, supporting condenser microphones and active audio peripherals without additional power supplies
- IEEE 802.3af standard PoE power support, enabling single-cable transmission of both data and power; no local power adapter required, greatly simplifying on-site wiring and deployment
- Supports 44.1 kHz and 48 kHz mainstream professional audio sampling rates, seamlessly compatible with standard Dante network audio systems
- Flexible dual control options: intuitive configuration via professional Dante Controller software, plus convenient browser-based web UI management for quick setup without dedicated software

Specifications

Model		DT2002
Input		
Input	(2) MIC/LINE IN	
Input Connector	(2) 3-pin Green Terminal Blocks	
Phantom Power	48V, software selectable for each input	
Output		
Output	(2) LINE OUT	
Output Connector	(2) 3-pin Green Terminal Blocks	
Output Type	Balanced line level with automatic muting on loss of Dante signal	
Audio Performance		
Gain	Input: 0 ~ +48dB, 6dB per step Output: -60 ~ 0dB, 1dB per step	
Max Level	Input: +18dBu @ 0dB input gain Output: +18dBu @ 0dB output gain	
Input Impedence	>1.8kΩ	
Effective Input Noise (EIN)	-119dB @ 48dB gain	
Output Noise	<-79dBu @ 0dB gain	
THD	<0.05% at any gain	
Sample Rate	44.1kHz or 48kHz	
Control		
Control Port	(1) Dante Network	
Control Connector	(1) RJ45	
General		
External Power Supply	Input: AC 100~240V, 50/60Hz; Output: 12V DC 1A	
Operation Temperature	-10°C ~ +55°C	
Storage Temperature	-25°C ~ +70°C	
Relative Humidity	10%-90%	
Dimension (W*H*D)	185mm x 115mm x 22mm	
Net Weight	500g	

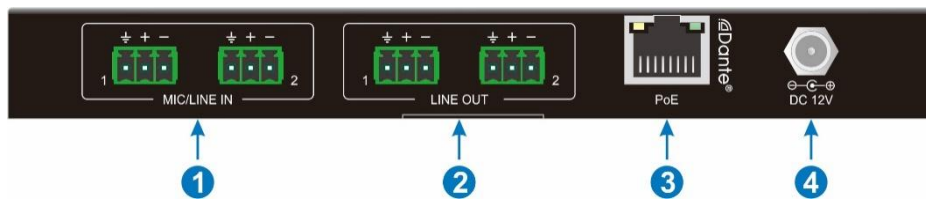
Front / Rear Panel

Front Panel



- ① POWER LED: Illuminates green when power is applied.
- ② SYS LED: Illuminates yellow when system starts, and green when system is ready.
- ③ SYNC LED: Illuminates green when the clocks are synchronized between master and slave devices, and yellow when the clocks are out of sync.
- ④ M/S LED: Illuminates yellow when the unit works as master device, and green when it is as slave master.
- ⑤ ERROR LED: Illuminates yellow when known errors occur, and red when unknown errors occur.

Rear Panel



- ① MIC/LINE IN: 2 x Balanced audio input.
- ② LINE OUT: 2 x Balanced audio output.
- ③ Dante: Dante® Ethernet interface connector.
- ④ DC 12V: DC connector for DC12V1A power adapter connection.