



## Dante 4-Channel Audio DSP

500556

### Overview

The Dante 4-Channel Audio DSP (Model 500556) is a product developed for the transmission, routing, and processing of audio signals in Dante networks. It can perform high-quality, low-delay audio transmission, supports 4-way input and output balanced analog channels, and can be powered via PoE from any PoE network switch or via a 12V DC power supply. The device has one of the best DSP algorithms in the industry that includes options such as AEC, AFC, ANC, Compressor, Limiter, Mixer and Graphic Equalization among others; In addition, the product provides PC version control software to monitor and operate all the functions on the DSP in an easy and intuitive way.

### Applications

- Conference Rooms
- Education
- Retail Stores
- Hotels
- Restaurants
- Conference Center
- Hospitals

### Key Features

- Built-in Dante module
- Supports PoE power from PoE network switches or via a 12V DC power supply
- Features 4 balanced inputs and 4 balanced outputs
- The input supports 48VDC phantom power supply
- DSP processing functions include gain adjustment, stage parameter equalization, compressor, mixer, graphic equalization, limiter, setting, etc
- Provides software for the Windows platform to manage all audio operations
- API provided for RS485 and TCP/IP control

## Specification

Dante Interface	4
Simulated maximum gain	-6~36dB
Digitalizing bit	24bit
Sampling Rate	48k
Frequency Response	20~20KHz (±0.2dB)
Phantom power (per input)	48V
Maximum level (input/output)	+10dBu / +14dBu, balance
Total harmonic distortion	≤0.005% @4dBu
Noise floor (A- weight)	-88dBu
Input impedance	100Ω
System delay	1ms
Channel isolation @1kHz	100dB
Working Power Supply	DC 12V & PoE
Working Temperature	0-50°C
Dimensions	142 X 157 X 46mm
Warranty	2 years
Order Information	500556 Dante 4-Channel Audio DSP (UPC: 627699005569)

## Diagram

