

# Bluetooth and Analog Audio to Dante

500559-WH



## Overview

The Bluetooth and Analog Audio to Dante (Model 500559-WH) is a two-way audio transmission panel for Bluetooth, Analog Audio and Dante. It connects to mobile phones, iPad, and other devices through Bluetooth interface or to analog audio sources, and converts the received audio signal into digital signal transmission through Dante network. It includes wireless stereo audio input via Bluetooth, analog stereo audio input via 3.5 mm jack and RCA jack, wireless mono audio output via Bluetooth and analog stereo audio output via 3.5 mm jack and RCA jack. Power, control, and audio data are transmitted by only one network cable, and there is no need to worry about ground loops or other audio issues. The Bluetooth Audio to Dante Interface is designed to be compatible with standard dual gang US wall boxes with Decora faceplates.

## Applications

- Teleconferencing
- Education
- Audio Media Transmission
- Hotel Rooms
- Restaurants
- Conference Center
- Fitness Facilities

## Key Features

- Simple and intuitive Bluetooth pairing
- Bluetooth 5.3 for longer range and more stable connections
- Compatible with most Apple smartphones, iPads and Android tablets
- RCA and 3.5mm TRS stereo inputs/outputs
- Power supply and audio transmission integrated in one cable
- designed to be compatible with standard dual gang US wall boxes with Decora faceplates.
- Controllable via Dante Controller & Web-GUI
- Open API for third-party control
- Supports AES67 RTP audio transport

## Specification

<b>Input Interface</b>	Bluetooth 5.3, stereo RCA X 2 3.5mm TRS X 1
<b>Output Interface</b>	Bluetooth 5.3, mono RCA X 2 3.5mm TRS X 1
<b>Gain</b>	0 dB
<b>Volume</b>	Input: -12 ~ +18dB, 6dB per step Output: -60 ~ 0dB, 1dB per step
<b>Max Level</b>	Input: +12dBu @ 0dB input gain Output: +12dBu @ 0dB output gain
<b>S/N Ratio</b>	> 90dB @ Max Level (A-weighted)
<b>Output Noise</b>	< -79dBu @ 0dB gain (A-weighted)
<b>THD</b>	< 0.05% at 0dBu, 1kHz, 0dB gain (A-weighted)
<b>Sample Rate</b>	44.1kHz or 48kHz
<b>Control Methods</b>	<ul style="list-style-type: none"> <li>• Pair Button</li> <li>• Web-GUI and Dante Controller</li> <li>• Open API</li> </ul>
<b>Control Connector</b>	RJ45
<b>External Power Supply</b>	PoE (IEEE 802.3af)
<b>Operation Temperature</b>	0°C ~ + 55°C (23°F ~ 131°F)
<b>Storage Temperature</b>	- 25°C ~ + 70°C (-13°F ~ 158°F)
<b>Relative Humidity</b>	90% RH or less (No condensation)
<b>Power consumption</b>	4.22W (Max)
<b>Dimension (W*H*D)</b>	104.5 x 89.0 x 43.7 mm
<b>Net Weight</b>	265g
<b>Warranty</b>	2 years
<b>Order Information</b>	500559-WH Bluetooth and Analog Audio to Dante (UPC: 627699015599)

## Diagram

