MuxLab

Bluetooth and RCA/3.5mm Audio to Dante, White

500559-WH

Overview

The Bluetooth and RCA/3.5mm Audio to Dante, White (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 3.5mm jack and RCA jack, wireless mono audio output via Bluetooth and analog stereo audio output via 3.5mm 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 and RCA/3.5mm Audio to Dante 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

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Imput Interface	Bluetooth 5.3, stereo RCA X 2 3.5mm TRS X 1
Output Interface	Bluetooth 5.3, mono RCA X 2 3.5mm TRS X 1
Gain	0 dB
Volume	Input: -12 ~ +18dB, 6dB per step Output: -60 ~ 0dB, 1dB per step
Max Level	Input: +12dBu @ 0dB input gain Output: +12dBu @ 0dB output gain
S/N Ratio	> 90dB @ Max Level (A-weighted)
Output Noise	< -79dBu @ 0dB gain (A-weighted)
THD	< 0.05% at 0dBu,1kHz, 0dB gain (A-weighted)
Sample Rate	44.1kHz or 48kHz
Control Methods	• Pair Button • Web-GUI and Dante Controller • Open API
Control Connector	RJ45
External Power Supply	PoE (IEEE 802.3af)
Operation Temperature	0°C ~ + 55°C (23°F ~ 131°F)
Storage Temperature	– 25°C ~ + 70°C (-13°F ~ 158°F)
Relative Humility	90% RH or less (No condensation)
Power consumption	4.22W (Max)
Dimension (W*H*D)	104.5 x 89.0 x 43.7 mm
Net Weight	265g
Warranty	2 years
Order Information	500559-WH Bluetooth and RCA/3.5mm Audio to Dante, White (UPC: 627699015599)

Diagram