# iTrans DB-22W

Dante 2CH Bluetooth Adapter

*User Manual V1.0*

## Table of Contents

## 1. Overview

Featuring bi-directional Bluetooth audio, the interface allows you to transmit two channels of Bluetooth or RCA audio onto the Dante network. The paring is as simple as pressing a button on the front panel, and you can give the unit any friendly name you like.

On the setup side, audio routing and control is maintained via Dante Controller and Domain Manager.

The iTrans DB-22W is perfect for simple BYOD, or you could use the call bridging feature for conference calls utilizing the existing audio equipment in the room.
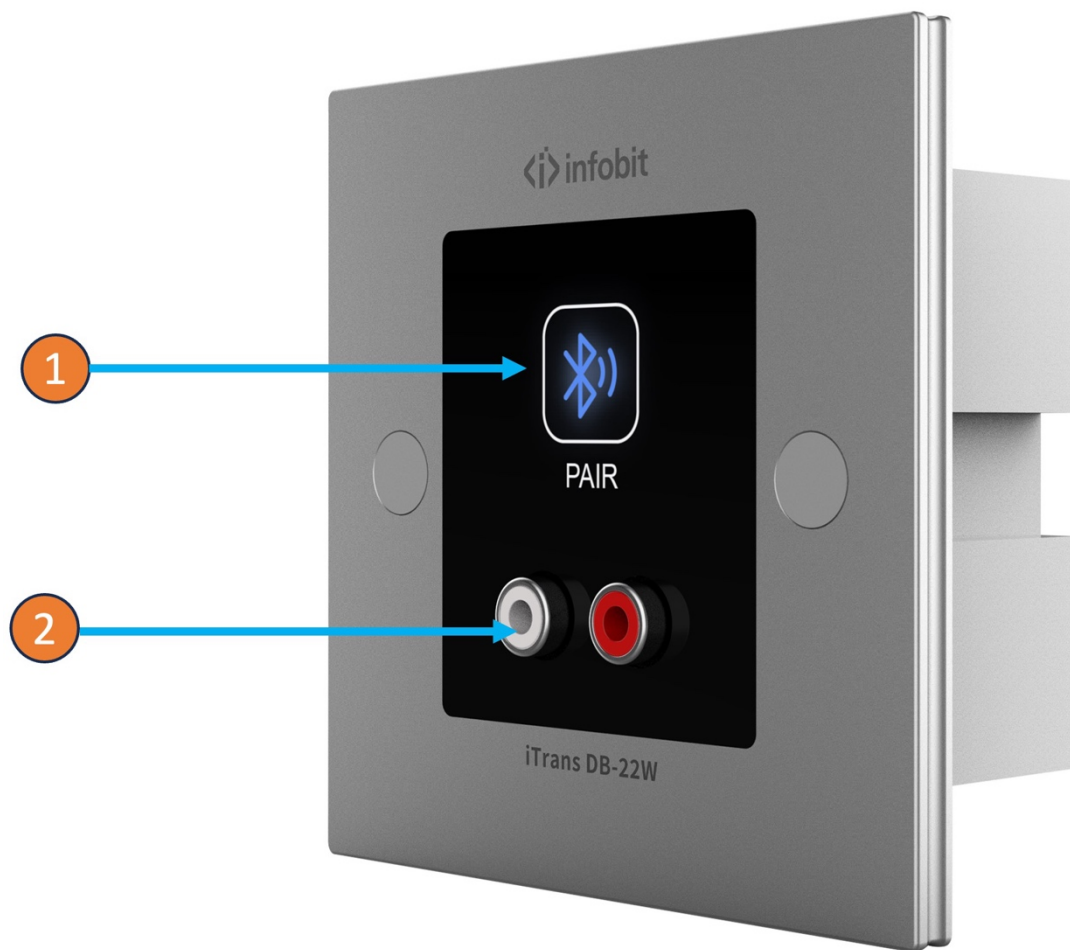
## 2. Features

- Supports converting Bluetooth or 2-channel RCA stereo audio into Dante digital signals network, with priority given to Bluetooth signals.
- Powered by PoE and installed in a standard 86 box.
- Connect to mobile phone, iPad and other devices through the Bluetooth interface, and pass the audio through Dante network.
- The main applicable scenarios include conference calls, audio media transmission, etc.
- Simple to use, you can control Bluetooth paired connected devices with one touch button and display the connection status.
- Support Bluetooth 5.0
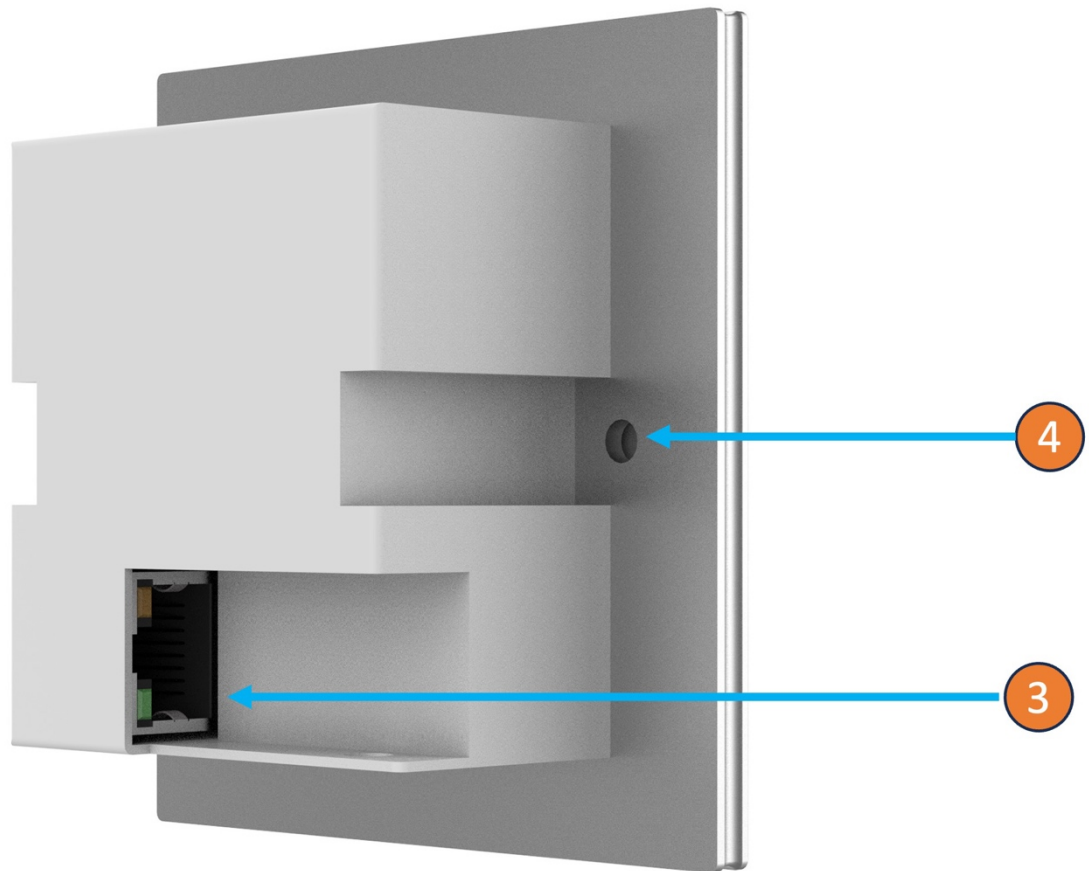- Support Dante and AES67.

## 3. Specification

| Model | iTrans DB-22W |
|---|---|
| Name | Dante 2CH Bluetooth Adapter |
| Bluetooth | 2 Channels In |
| Dante/ AES67 | 2 Channels Out |
| Stero Audio IN | RCA 2x |
| Max. Input Level | 12dBu |
| Sampling Rate | 44.1/48KHz |
| Bit | 24bit |
| THD+N | 10.005%/ 1kHz+4dBu |
| Dante/ AES67 delay | <2ms |

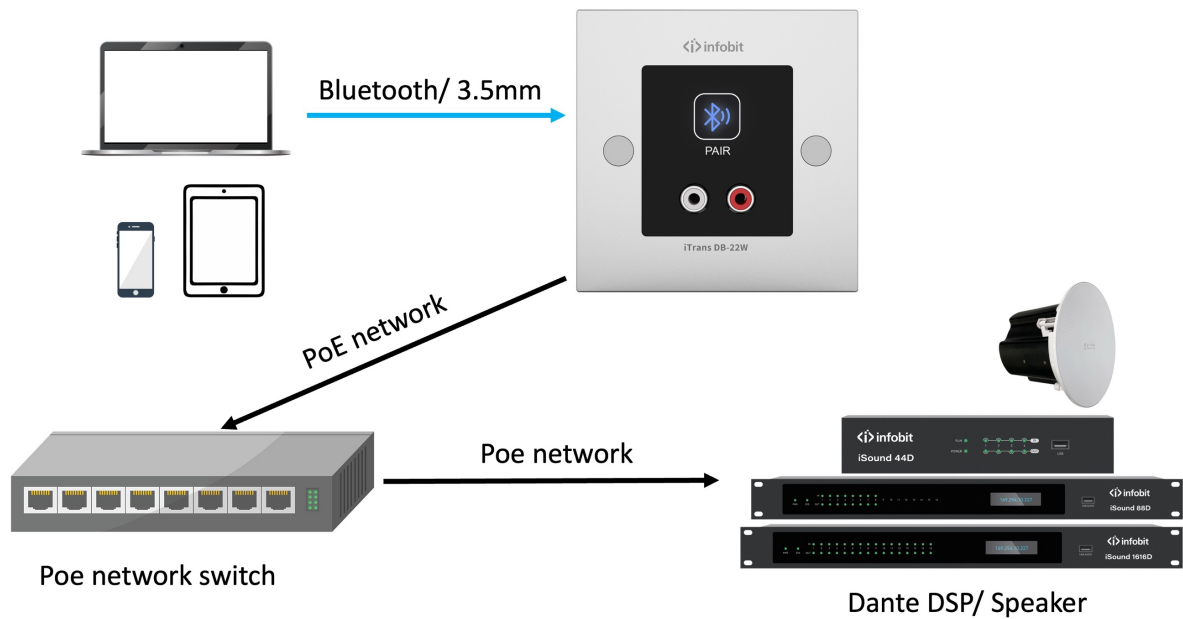| Power | Class 1 802.3 af PoE |
|---|---|
| Consumption | 2W |
| Input SNR | >100dB |
| Dimension | 86x86x40mm |

# 4. Panel



① Bluetooth button: Switch Bluetooth mode;
② RCA interface: Audio input signal;

③ Network port: POE power supply and audio transmission;
④ Screw hole position: Fix the panel.

## 5. Connection

Wireless devices such as mobile phones or iPad are connected to the panel via Bluetooth or a 3.5 to RCA cable. The panel is powered by a PoE switch, converts analog audio into the Dante audio and outputs it to the network switch. Finally, it is configured from the Dante Controller software on the computer to output to the DSP or speakers.

Bluetooth/ 3.5mm

PoE network

Poe network

Poe network switch

Dante DSP/ Speaker

*__Note:__ The Bluetooth and RCA don't work simultaneously, the Bluetooth connection is priority.*

# 6. Device Connect

1. Turn on the Bluetooth button on the panel, connect the phone or iPad to the panel through Bluetooth function, and connect the panel to the PoE switch through a network cable.

2. The mobile phone or iPad is directly connected to the panel through a 3.5 to dual RCA cable, and the panel is connected to the POE switch through a network cable.

3. Insert the Ethernet cable into the panel, remove the sticker covering the surface from the back of the panel, and fix the panel to the 86 type bottom box with screws.