

## iTrans DB22

Dante® 2CH Bluetooth Input Adapter

Datasheet V1.0





## 1. DESCRIPTION

This Dante® 2CH Bluetooth Input Adapter is an audio transmitter based on the Dante® Ultimo 2x2. It converts two-channel Bluetooth audio into Dante® 2CH digital audio, then transmits the audio to the receiving end through network (Dante®). The adapter supports local USB-C port power supply and PoE function.

## 2. FEATURES

- Two-channel Bluetooth audio to Dante® 2CH digital audio
- Supports Bluetooth V5.1, SBC/AAC/APTX/APTX-LL/APTX-HD, up to 192KHz@24bit
- Dante® audio sampling rate supports 48KHz@24bit
- Dante® audio delay supports 1/2/5ms (configurable)
- Supports local USB-C port power supply and PoE function (Class 0 802.3af PoE)
- Compact design for easy and flexible installation
- Supports Bluetooth ID renaming.

## 3. PACKAGE CONTENTS

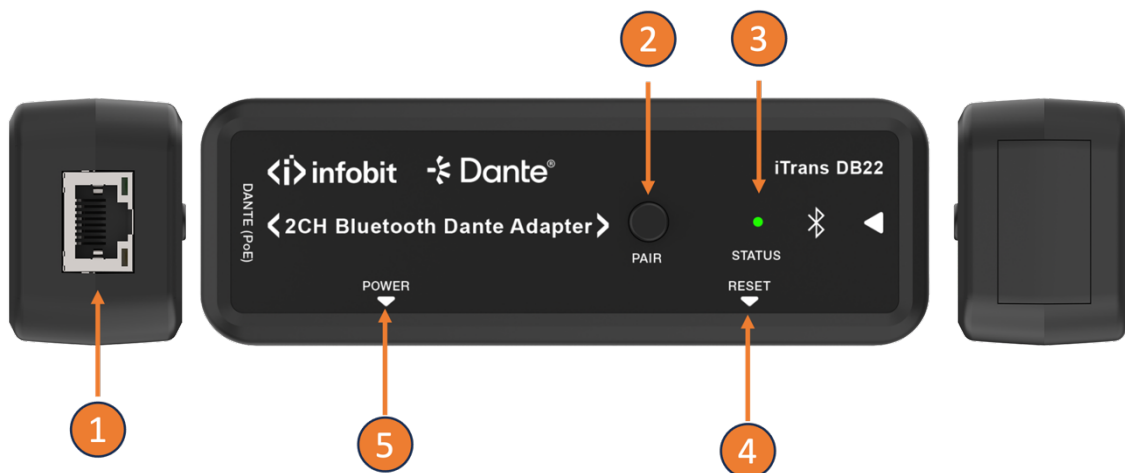
- 1x Dante® 2CH Bluetooth Input Adapter
- 2x Hook & Loop
- 1x User Manual

## 4. SPECIFICATION

<b>Model</b>	<b>iTrans DB22</b>
<b>Name</b>	<b>2CH Bluetooth Input Adapter</b>
Input Audio	Two-channel Bluetooth audio
Output Audio	Dante® 2CH digital audio
Control Method	Dante® Controller
Video Network Bandwidth	100M
Audio Latency	Configurable Dante® device latency (Supports 1, 2 or 5ms configurable using Dante® Controller)
Audio Formats	Bluetooth IN [Digital audio input, PCM 2CH 44.1K-192KHz 16/24bit] DANTE OUT [Digital audio output, PCM 2CH 48KHz 16/24bit]
Frequency Response	20Hz to 20kHz (-/+0dB)
Dynamic Range	>100dB@2Vrms, 1kHzA-weighted
Audio S/N Ratio	>100dB@2Vrms, 1kHzA-weighted
Audio THD+N	<0.01%@0dBV, 1KHz

Transmission Distance	328ft/100m (CAT6/6A/7)
ESD Protection	EC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Input Interfaces	1x POWER [USB-C port, 12-pin female] 1x Bluetooth Input [Wireless]
Output Interfaces	1x DANTE [RJ45 connector, PoE]
Others	1x RESET button [System reboot button] 1x PAIR button 1x STATUS LED
Housing	Plastic Enclosure
Color	Black
Dimensions	115mm [W] x 40mm [D] x 28 mm [H]
Weight	93g
Power Supply	USB input: 5V/500mA PoE input: PoE IEEE802.3af Class 0
Power Consumption	0.65W (Max)
Operating Temperature	32 ~ 104°F / 0 ~ 40°C
Storage Temperature	-4 ~ 140°F / -20 ~ 60°C
Operating Humidity	20% ~ 80% RH (relative humidity, non-condensing)
Storage Humidity	10% ~ 90% RH (relative humidity, non-condensing)

## 5. PANELS



No	Name	Description
1	DANTE (PoE) port	Dante® digital audio output port, connected to the Network Switch through RJ45 line, supporting PD power supply. The green LINK LED is always on after normal connection. The yellow DATA LED is flashing when there is data transmission.
2	PAIR button	Bluetooth pairing button. <ul style="list-style-type: none"> <li>▪ Short press this button to start Bluetooth pairing.</li> <li>▪ Long press up to 5s to clear the current paired source device and start a new Bluetooth pairing.</li> </ul>
3	STATUS LED (green)	Bluetooth pairing indicator light: <ul style="list-style-type: none"> <li>▪ Solid on: Bluetooth is paired.</li> <li>▪ Light flicking at 2Hz: Bluetooth is pairing.</li> <li>▪ Light flicking at 1Hz: Bluetooth is not paired.</li> </ul>
4	RESET button	Press this button to reboot the unit.
5	POWER port	USB-C port with following two functions: (1) USB-C 5V/500mA power input port. (2) Firmware or Bluetooth update port. Send the serial port command “set bt update” to switch to the Bluetooth update mode. After Bluetooth update, please reboot the unit to take effect.

**Note:** The RESET button can only be used for device reboot, and device reset setting needs to be done through the Dante® Controller

## 6. DIAGRAM

