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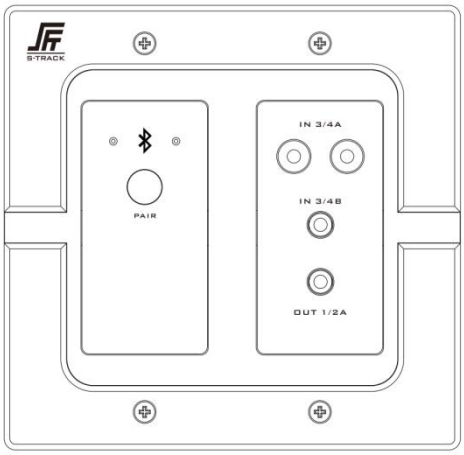

OSTRICH XBD44
Bluetooth Transmission Panel

User Manual

Caution

To ensure the reliable use of the equipment and the safety of personnel, please observe the following matters during installation, use and maintenance:

1. When installing the equipment, make sure that the ground wire in the power line is well grounded and the chassis grounding point is well grounded.

2. Keep the working environment well ventilated so that the heat generated by the equipment at work can be discharged in time to avoid damage to the equipment due to high temperature.

3. Turn off the main power supply of the equipment when it is not in use for a long time or in a humid and dewy environment.

4. Be sure to unplug the AC power cord of the equipment from the power outlet before the following operations:

A. Remove or reinstall any part of the equipment.

B. Disconnect or reconnect any electrical plugs or connections to the equipment.

5. Do not disassemble the equipment without permission by non-professionals to avoid the risk of electric shock. Do not repair the equipment privately to avoid aggravating the damage.

6. Do not spill any corrosive chemicals or liquids on or near the equipment.

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Chapter 1 Product Introduction

1.1 Introduction

The product is a Dante audio interface (4x4) and Bluetooth audio interface (2X2), analog audio interface (RCA or TRS) inter-conversion device, using PoE power supply, installed in the wall of the transmission panel. Audio transmission and power supply of the device through a network cable to solve, support for Bluetooth wireless audio interface and analog audio interface, simple application, the main applicable scenarios are teleconferencing, audio long-distance transmission and other application scenarios.

1.2 Product Features

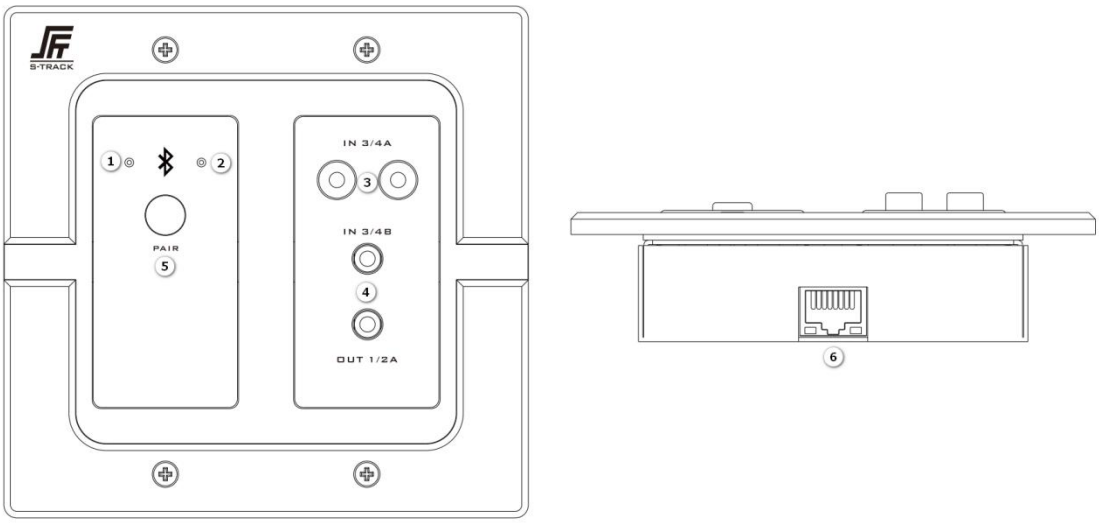
- Dante audio interface (4x4) interconverted with Bluetooth audio interface (2x2), analog audio interface (RCA or TRS), PoE-powered, wall-mounted transmission panel;
- Connect with cell phone, iPad and other devices through Bluetooth interface, convert the received audio to network digital signal transmission through Dante;
- Power supply and audio transmission in one, using PoE network switch power supply, power supply and audio transmission through the network cable, no need to worry about grounding loops or other consumer equipment common audio problems. The main applicable scenarios are teleconferencing, audio media transmission and so on;
- Simple to use, Bluetooth pairing can be controlled by a button, connecting the device and displaying the connection status through LED lights;
- Good compatibility, adaptable to a variety of cell phones, tablets, computers and other devices;
- Supports 802.3af and 802.3at PoE power supply;
- Simple audio routing, configure audio routing through Dante Controller.

Chapter 2 Specification

Input interfaces	Bluetooth 5.0 stereo; 1 RJ45 interface for transmitting 4 channels of Dante network audio; 2 RCA connectors; 1 3.5mm TRS connector
Output interfaces	1 RJ45 interface for transmitting 4 channels of Dante network audio; Bluetooth 5.0 stereo; 1 3.5mm TRS connector
Frequency Response	20Hz～20kHz
Noise Floor	-90dBu
Signal-to-Noise Ratio	＞100dB
THD+N	≤0.005%@1kHz, +4dBu
Sampling Rate	48kHz
Bit Depth	24-bit
Network Transmission	Dante IP/AES67/RTP Audio
Dante Device Latency	1、2 or 5ms (Dante Controller Configuration)
Power Supply	802.3af、802.3at Standard POE switch
Power Consumption	2W
Operating Temperature and Humidity	0℃～40℃, 10%～90%RH, No condensation
Product Dimensions (L×W×H)	120mm×117mm×29.5mm
Weight	0.5kg
Package Dimensions (L×W×H)	145mm×145mm×80mm
Package Weight	0.6kg

Chapter 3 Interface Description

3.1 Front Panel



① Power/Bluetooth not connected indicator;

② Bluetooth connection success indicator;

③ RCA stereo input interface;

④ 3.5mm TRS input interface/3.5mm TRS output interface;

⑤ Bluetooth pairing PAIR button;

⑥ RJ45 network interface: Supports PoE supply and Dante network audio.

Chapter 4 Instructions for Use

4.1 Power On

After power on, the red and blue LED indicator will flash alternately for a short period of time, and it will change to red indicator when power on successfully, if the LED indicator does not light up or is always on after power on, then the device is faulty, it is recommended to restart the device after power off, if it fails to solve the problem, it is recommended to contact our technical personnel.

4.2 Pairing Connection

When pairing, users only need to long press the PAIR button on the panel for about 3S, the panel LED red and blue indicator will start to flash alternately, indicating that the Bluetooth is now visible

to other Bluetooth devices and accepts pairing. Then you can open other Bluetooth devices to search for the device and pairing, when the panel only blue LED indicator flashes, it means that the pairing connection has been successful. (Maintaining a pool of the last 10 paired devices, any previously paired device on this list will be allowed to reconnect within the range of the device without the need to re-request a pairing, the user simply selects the corresponding Bluetooth name on the smart device).

4.3 Routing Configuration

The audio routing configuration can be modified using the Dante Controller control software or other compatible controllers to modify the input configuration. Audio channels 1 and 2 route stereo Bluetooth audio directly to the Dante network. Channels 3 and 4 can route analog RCA inputs or 3.5 mm TRS inputs to the Dante network. digital inputs from Dante devices can be converted to analog signals by Dante for output via the 3.5 mm TRS interface.

4.4 Dante Network Audio Routing

In a Dante audio network, the Dante Controller software is required to set up the routing of the various signals accessing the processor. It can realize 1-to-1, 1-to-N mapping operation from input to output within Dante network.

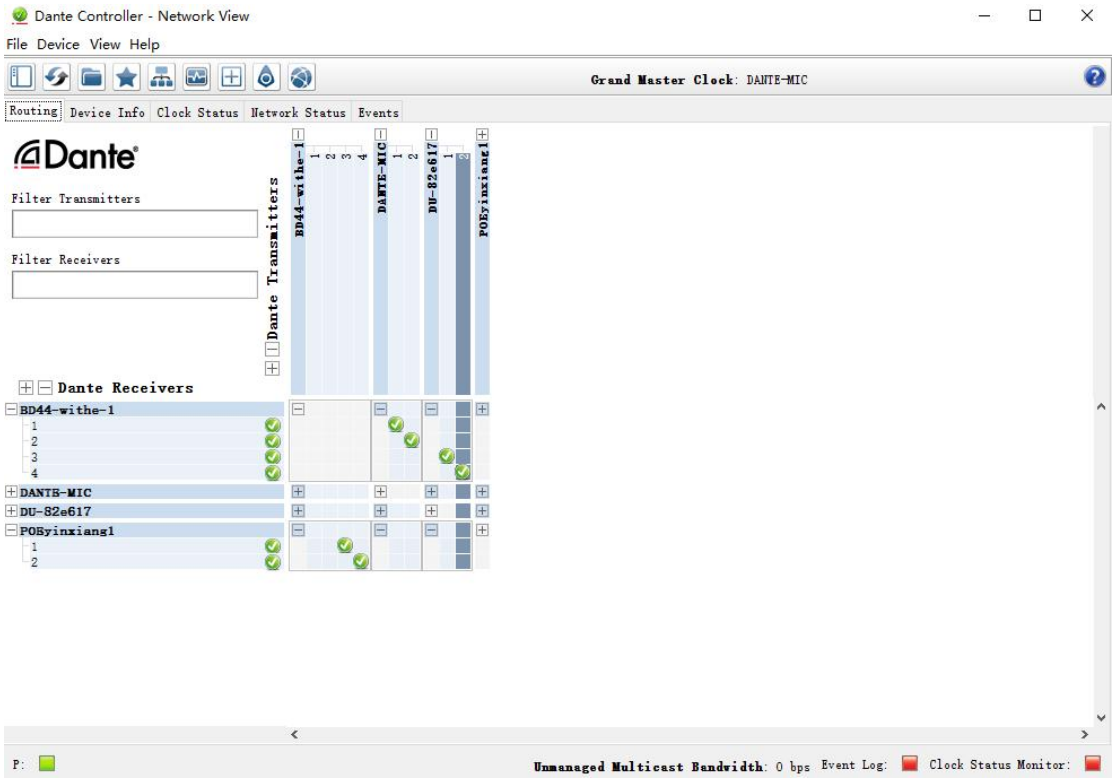
Note:

1, Dante can not run in the Wi-Fi wireless connection environment, is dependent on a reliable and secure wired network environment to transmit perfect audio;

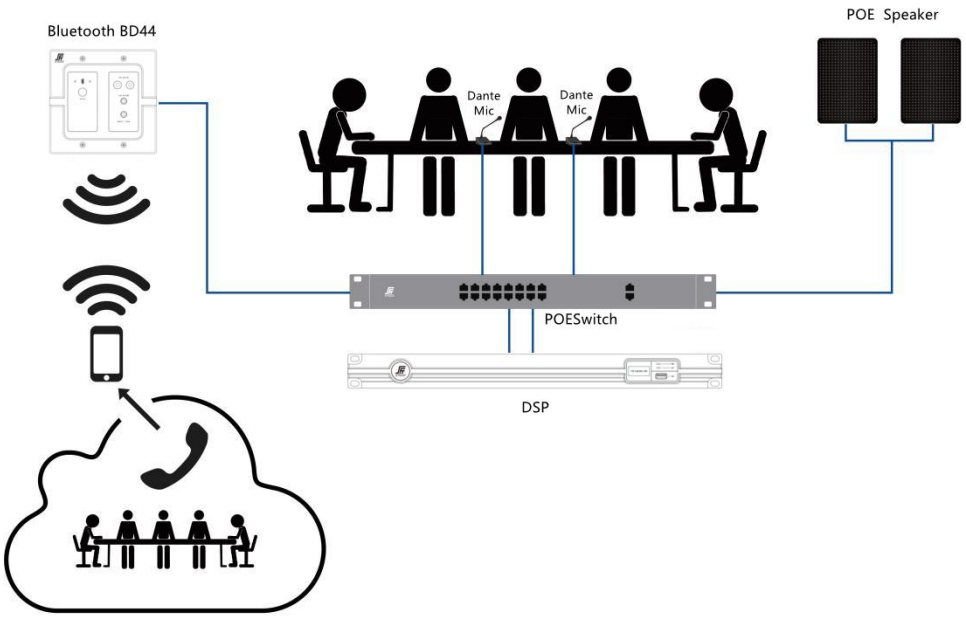
2, Dante Controller software corresponds to the platform of Windows 7, Windows 10, Windows 11, macOS, please select the appropriate software version according to your system platform.

Click to download the official Dante Controller software Dante Controller

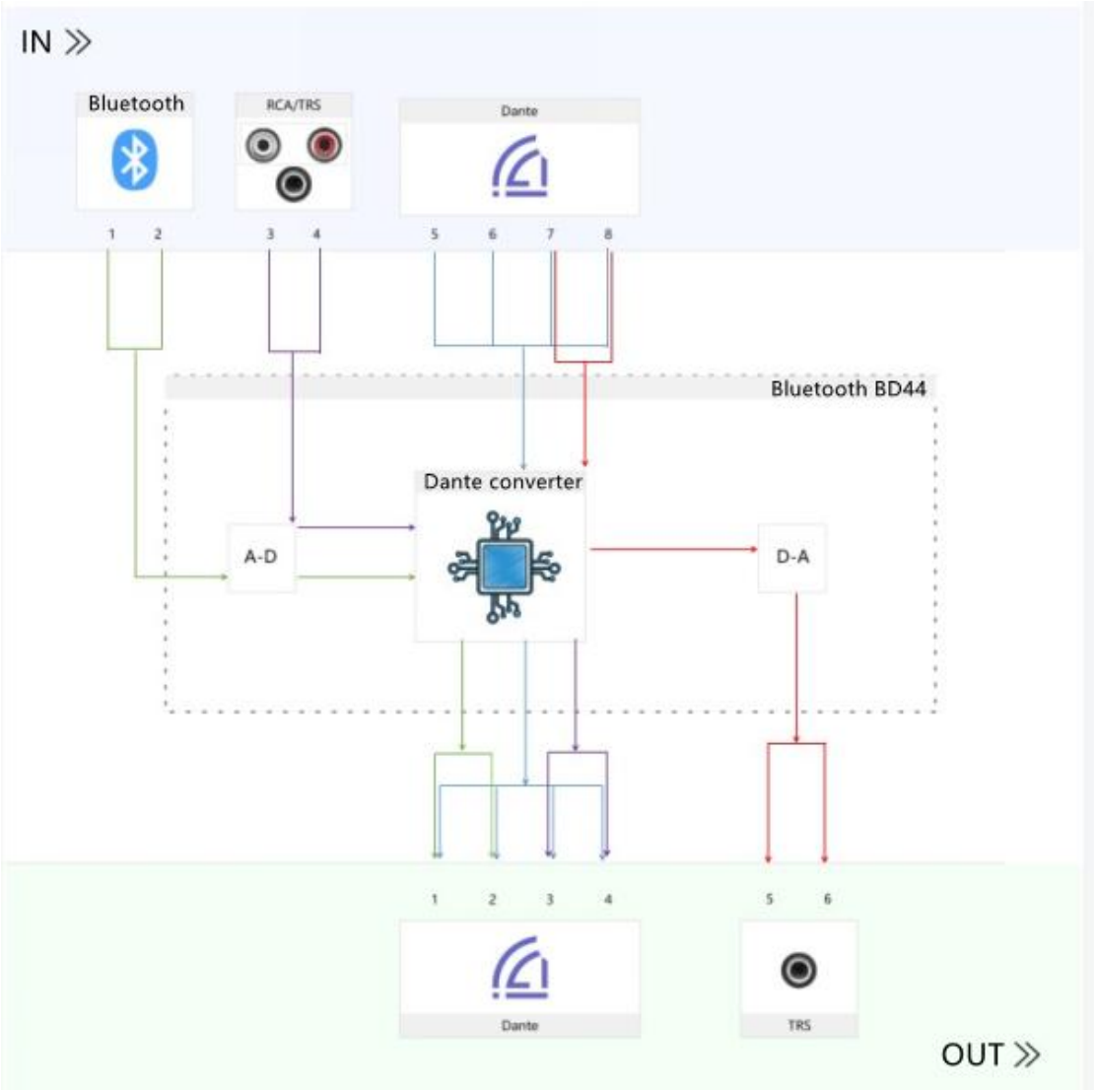
(https://www.audinate.com/products/software/dante-controller)



Chapter 5 Network Diagram



Chapter 6 Signal Flow Chart



Warranty Regulations

The warranty period of this product is 1 year.

In the warranty period of non-man-made damage caused by the product performance failure can enjoy three packages of service.

Warranty card by the sales unit stamped after the effective. The alteration is invalid!

The following conditions (including, but not limited to, this) are not covered by the three-package service:

1. No warranty card or missing valid invoice or the date has exceeded the validity period of the three packages of services;
2. Not in accordance with the requirements of the product instructions for use, maintenance, management and damage caused;
3. The product model or code on the warranty voucher does not match the physical goods;
4. Damage caused by the dismantling and repair of non-authorised service providers;
5. Normal discolouration, wear and tear and consumption during the use of the product are not covered by the warranty;
6. The product cannot be used due to the user's own network reasons, please consult customer service staff.

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