

OSTRICH XDU22 2CH USB IO Adapter

User Manual

Preface

Thank you for choosing our products. This product provides mutual adapter between USB interface and Dante channel, and requires USB interface power supply.

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

This product is an audio interface device based on the international Dante protocol, capable of USB digital audio signal input. It can route through the Dante protocol to any Dante audio transmission network device, achieving high-quality, long-distance, low latency, strong anti-interference capability, and easy networking. At the same time, it supports the access of any Dante network digital audio, converting it into a USB digital audio signal output.

In other words, this Dante USB adapter allows you to connect any computer or mobile phone (supporting UAC1.0) to the Dante audio network without installing any software, and enables the use of any audio application to play or record audio. It is an ideal choice for conference rooms and presentation events.

1.2 Functions

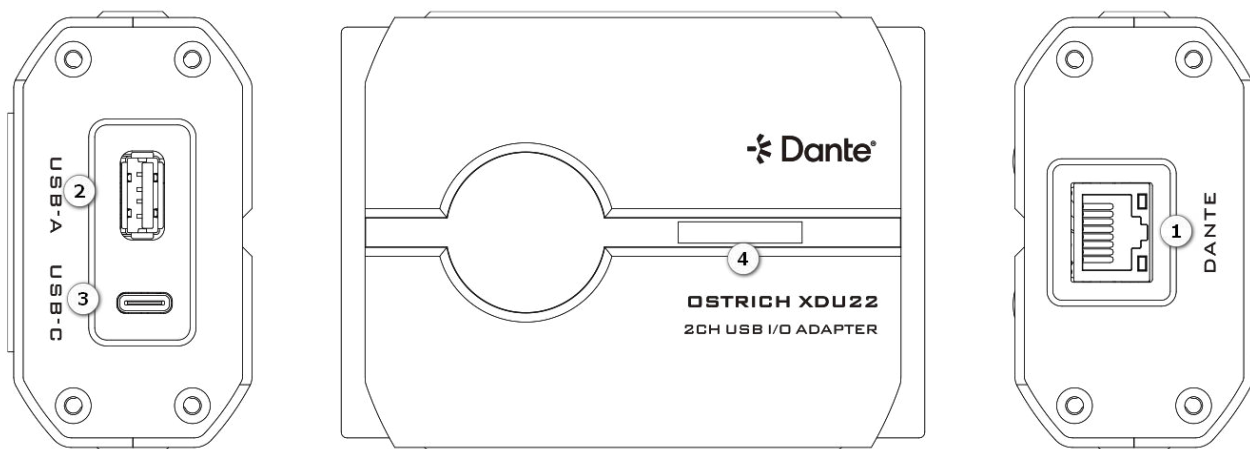
- ✧ The XDU22 uses USB power supply;
- ✧ Support USB signal input to Dante signal output, and Dante signal input to USB signal output two channels signal transmission;
- ✧ Displays the device name and IP address;
- ✧ Supports 802.3af and 802.3at PoE power supply;
- ✧ Simple audio routing, configure audio routing through Dante Controller.

Chapter 2 Specification

Input interfaces	1 USB interface; 1 RJ45, transmitting 2 channels of Dante network audio
Output interfaces	1 RJ45, transmitting 2 channels of Dante network audio; 1 USB interface
USB Specification	≥ USB 2.0

Power Supply	USB Interface
Sampling Rate	48kHz
Bit Depth	24-bit
Noise Floor	-90dBu
Operating Temperature	-10℃ ~+40℃
Operating Humidity	5%~95%RH, No condensation
Dante Device latency	1、 2 or 5ms (Configurable using Dante Controller)
Network Transmission	Dante IP/AES67/RTP Audio
Product Dimensions (L×W×H)	98mm×72mm×40mm
Weight	0.2kg
Package Dimensions (L×W×H)	145mm×145mm×80mm
Package Weight	0.3kg

Chapter 3 Interface Description



- ① Dante network interface with POE power supply;
- ② USB A Interface: Usually connected to a PC USB interface for power and as a audio card;
- ③ USB C Interface: Usually connected to a PC USB interface for power and as a audio card;
- ④ Display: Display shows the IP address.

Chapter 4 Dante Network Audio Routing

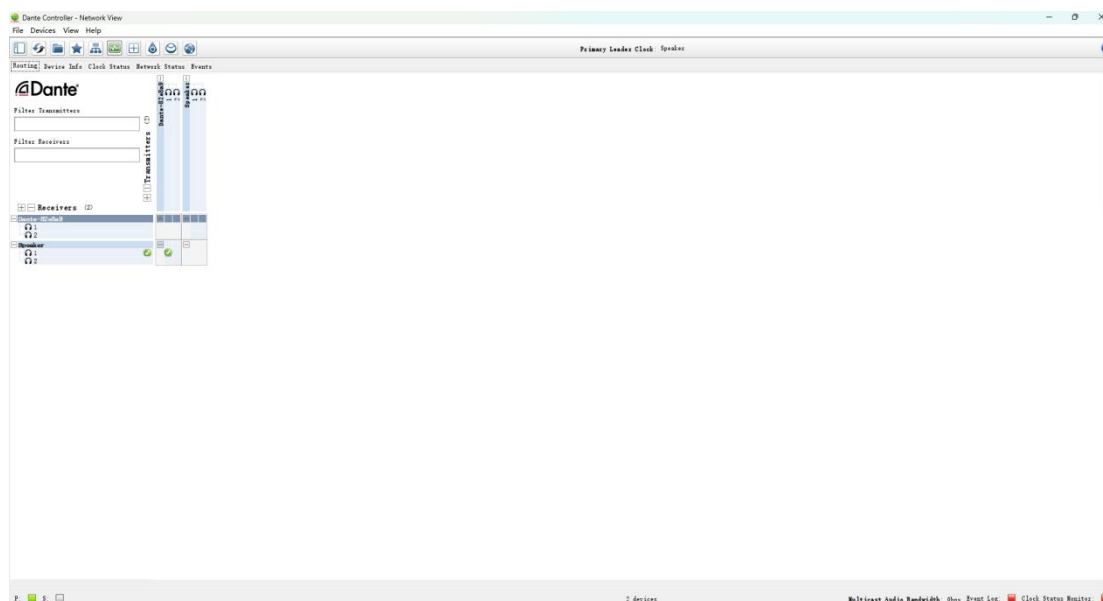
In a Dante audio network, the Dante Controller software is required to set up the routing of the various signals accessing the processor. It can realize 1-to-1, 1-to-N mapping operation from input to output within Dante network.

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)

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



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-authorized 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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