S-TRACK

OSTRICH XDI22
2CH Analog Input Adapter

User Manual

Preface

Thank you for choosing our product. This product provides the interfacing between analog inputs and Dante channels, requiring power over Ethernet (POE) switch for 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 internationally recognized Dante protocol, capable of converting analog audio signals into digital ones and routing them through the Dante protocol to any Dante audio transmission network device. It offers high-quality, long-distance transmission, low latency, strong anti-interference ability, and convenient networking capabilities. The device utilizes high-quality AD/DA conversion chips, bridging your analog devices and more into the world of networked audio.
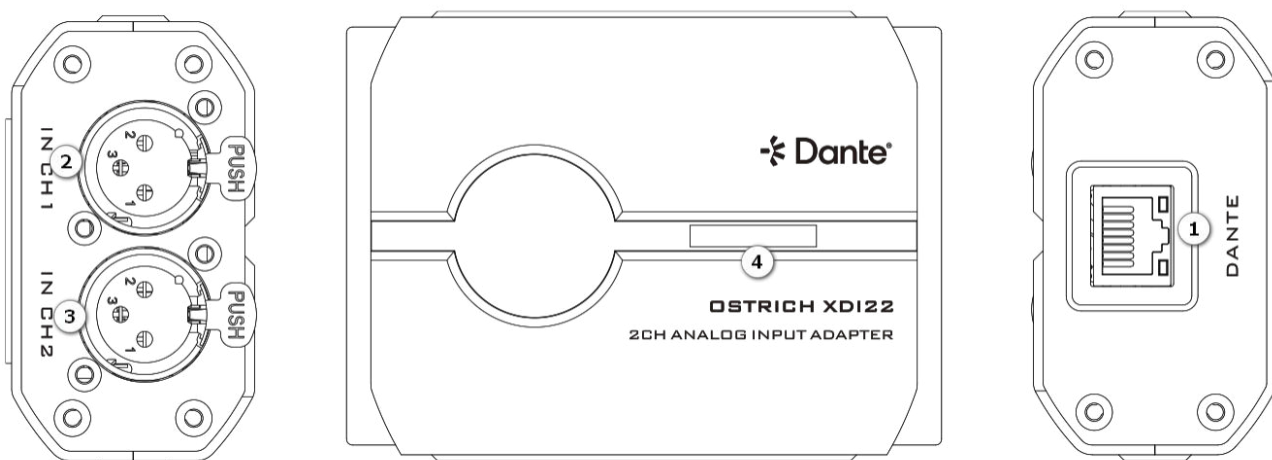
1.2 Functions

- ✧ Support two analog audio signal input, two Dante network audio signal output;
- ✧ Two XLR female connectors for analog audio inputs;
- ✧ 1 RJ45 network interface connected to a PoE Switch for transmitting Dante network audio signals;
- ✧ Convert the analog audio signal to Dante network audio signal output;
- ✧ 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 interface	2-channel three-pin XLR female connector
Output interface	1 RJ45, transmitting 2 channels of Dante network audio
Power Consumption	<1W
Maximum Signal Level （Balanced）	18dBu

Frequency Response	20Hz～20KHz, ±0.5dB
Impedance	20KΩ(Balanced), 10KΩ(Unbalanced)
Dynamic Range	>100dB
Signal-to-Noise Ratio	>100dB
THD+N	<0.003%@4dBu, 1KHz
Power Supply	802.3af、802.3at Standard POE switch
Sampling Rate	48kHz
Bit Depth	24-bit
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
Noise Floor	-90dBu
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 supply;

②   Analog Input CH1;

③   Analog Input CH2;

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.
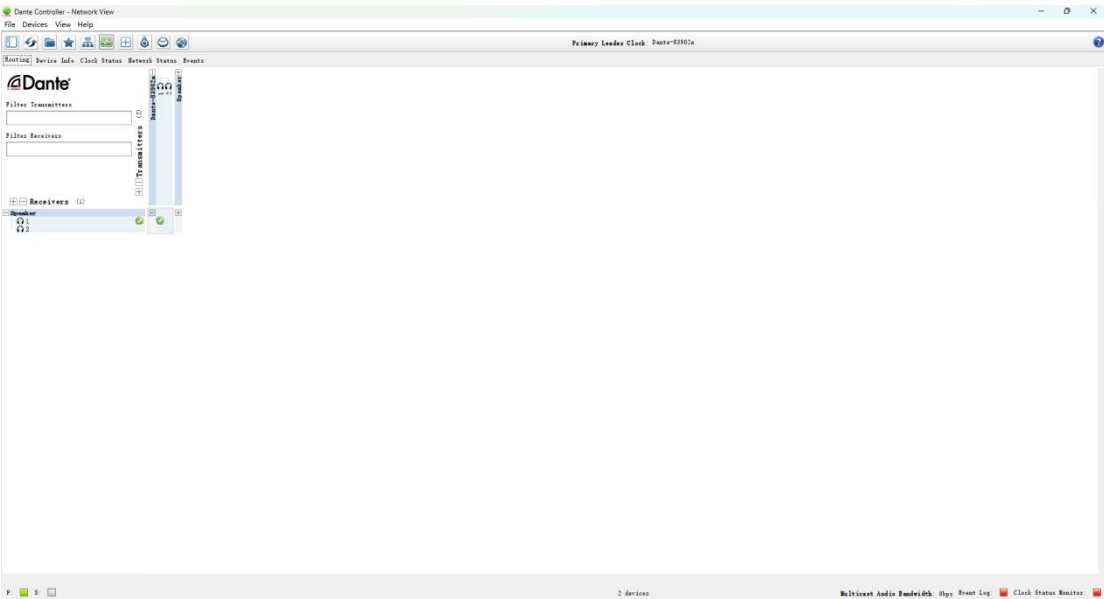
Note:

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)

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.

SHENZHEN S TRACK SCIENCE TECHNOLOGY CO., LTD