infobit DP-R-22 Dante to 2CH Analog Audio Decoder User Manual

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Contents

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Introduction

The iTrans DP-R-22 is an audio receiver based on the Dante Ultimo solution. It decodes the signal from the encoder, and converts I2S audio signal to analog signal through DAC module to output. This product transmits signals through Dante network, supporting AES67 RTP audio transmission. It also supports 5-level gain adjustment and PoE power supply

Features

- Analog audio output supports balanced/unbalanced audio output (unbalanced access to "+" and "GND")
- Audio sampling rate supports 44.1KHz, 48KHz, 88.2KHz and 96KHz, @16bit/24bit/32bit
- Dante solution supports AES67 RTP audio transmission
- Audio output supports 5-level gain adjustment +18dBu, +4dBu, 0dBu, 0dBV and -10dBV
- Support DC 12V power supply and PoE power supply (IEEE802.3af Class 1)
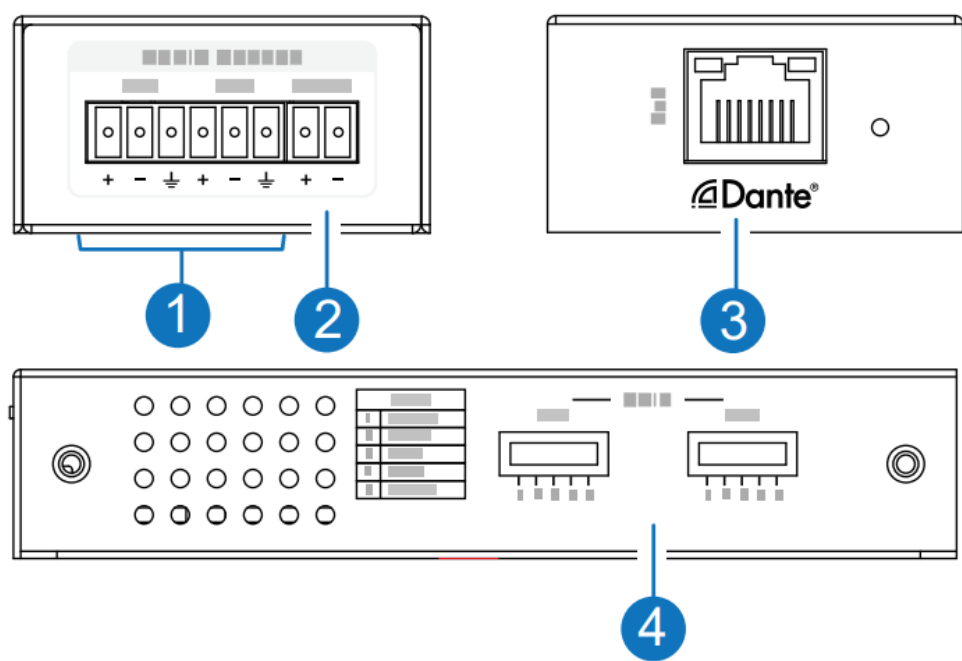
Package Contents

1. 1 × iTrans DP-R-22
2. 1 × 6pin-3.81mm Phoenix Connector (male)
3. 1 × 2pin-3.81mm Phoenix Connector (male)
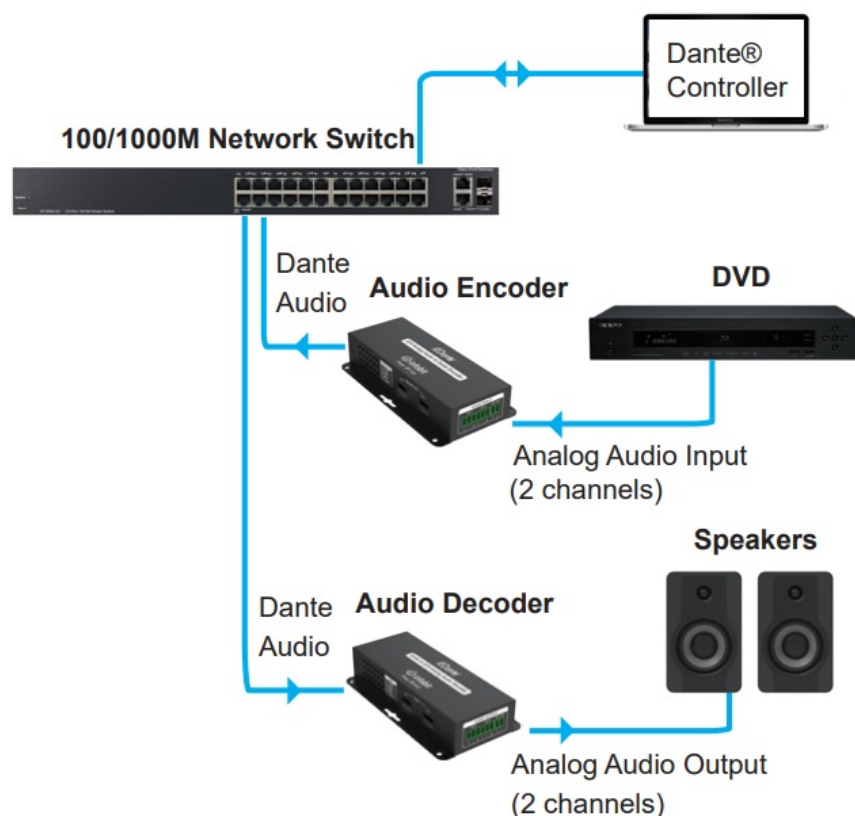4. 1 × User Manual

Specifications

Technical	
Video Network Bandwidth	100M
Audio Formats	PCM 2.0, @16bit/24bit/32bit, 44.1KHz/48KHz/88.2KHz/96KHz
Transmission Distance	100m/328ft (CAT6/6A)
Control Method	Dante Controller
Connection	
Input	1 × Dante [RJ45 connector, PoE]
Output	2 × AUDIO OUTPUT[6-pin phoenix, 3.81mm]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	130mm[W] × 70mm[D] × 26mm[H]
Weight	230g
Power Supply	DC input: 12V/1APOE input: IEEE802.3af Class 1
PowerConsumption	1.5W
Operation Temperature	32 – 104°F / 0 – 40°C
Storage temperature	-4 – 140°F / -20 – 60°C
Relative Humidity	20 – 90% RH (no condensation)

Operation Controls and Functions

No.	Name	Function Description
1	AUDIO OUTPUT (CH1/CH2)	2-channel analog audio output ports, supporting balanced and unbalanced audio.
2	DC 12V	DC 12V/1A power input port.
3	DANTE (PoE)	• Dante digital audio input port. Connect 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.
4	GAIN switch	Used for audio output gain adjustment, +18dBu, +4dBu, 0dBu, 0dBV and -10dBV, respectively.

Application Example

Trademarks
Dante® is registered trademark of Audinate Pty Ltd. All other trademarks are the property of their respective owners.

Documents / Resources

infobit DP-R-22 Dante to 2CH Analog Audio Decoder [pdf] User Manual
DP-R-22 Dante to 2CH Analog Audio Decoder, DP-R-22, Dante to 2CH Analog Audio Decoder, Analog Audio Decoder, Audio Decoder, Decoder

References

- **⟨i⟩ infobit AV- 4K Matrix Switchers, Wireless Presentation, Active Optical Cable and Conference Camera- Meeting Room Solutions**