

NEXIS

Dante® 2CH XLR Input Adapter AC-X2D



1. Introduction

This Dante® 2CH XLR Input Adapter is an audio transmitter based on the Dante® Ultimo 2x2 solution. It converts two-channel balanced/unbalanced XLR analog audio into Dante® 2CH digital audio, then transmits the audio to the receiving end through network (Dante®). Analog audio input supports 5-level sensitivity adjustment.

The adapter supports local USB-C port power supply and PoE function.

2. Features

- ☆ Two-channel XLR analog audio to Dante® 2CH digital audio
- ☆ Balanced/unbalanced XLR analog audio input
- ☆ Dante® audio sampling rate supports 44.1/48/88.2/96KHz@24bit
- ☆ Dante® audio delay supports 1/2/5ms (configurable)
- ☆ Analog audio input supports 5-level sensitivity adjustment (+24dBu, +4dBu, 0dBu, 0dBv, -10dBv)
- ☆ Supports local USB-C port power supply and PoE function (Class 0 802.3af PoE)
- ☆ Compact design for easy and flexible installation

3. Package Contents

- ① 1x Dante® 2CH XLR Input Adapter
- ② 2x Hook & Loop
- ③ 1x User Manual

4. Specifications

Technical	
Input	Two-channel balanced/unbalanced XLR analog audio
Output	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	XLR IN [Analog audio input, Balanced/unbalanced 2CH, Max input level +24dBu] DANTE OUT [Digital audio output, PCM 2CH 44.1K-96KHz 16/24bit]
Audio Parameters	XLR Analog Audio In
	Input Impedance 20k Ohm balanced 10k Ohm unbalanced
	Line Input Level (Maximum) +24dBu (12.28Vrms) @balanced audio +18dBu (6.15Vrms) @unbalanced audio
	Frequency Response 20Hz to 20kHz (-/+0.5dB)
	Dynamic Range >100dB@0dBu, 1kHzA-weighted
	Audio S/N Ratio >100dB@0dBu, 1kHzA-weighted
	Audio THD+N < 0.01% at +4dBu, 1KHz
	Audio Output Sync Delay <10ms
Transmission Distance	328ft/100m (CAT6/6A/7)
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Input port	2x CH1/CH2 XLR IN [XLR female plug, with 30cm cable] 1x POWER [USB-C power and firmware update port, 12-pin female]
Output port	1x DANTE [RJ45 connector, PoE]
Others	1x RESET button [System reboot button] 2x SENSITIVITY knob [5-level dip switch]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	115mm [W] x 40mm [D] x 28 mm [H]
Weight	173g
Power Supply	USB input: 5V/500mA PoE input: PoE IEEE802.3af Class 0
Power Consumption	2W (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)

6. Application Example

Dante® 2CH XLR Input Adapter



Network Switch (PoE)



Dante® 2CH XLR Output Adapter

