NEXIS

# Dante® 2CH XLR Output Adapter

## AC-D2X

# 1. Introduction

This Dante® 2CH XLR Output Adapter is an audio converter based on the Dante® Ultimo 2x2 solution. It converts Dante® 2CH digital audio into two-channel balanced/unbalanced XLR analog audio. Analog audio output supports 5-level gain adjustment.
The adapter supports local USB-C port power supply and PoE function.

# 2. Features

☆ Dante® 2CH digital audio to two-channel XLR analog audio
☆ Balanced/unbalanced XLR analog audio output
☆ Dante® audio sampling rate supports 44.1/48/88.2/96KHz@24bit
☆ Dante® audio delay supports 1/2/5ms (configurable)
☆ Analog audio output supports 5-level gain adjustment (+18dBu, +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 Output Adapter
② 2x Hook & Loop
③ 1x User Manual

# 4. Specifications

| Technical | | |
|---|---|---|
| Input | Dante® 2CH digital audio | |
| Output | Two-channel balanced/unbalanced XLR analog audio | |
| Control Method | Dante® Controller | |
| Video Network Bandwidth | 100M | |
| Audio Latency | Configurable Dante® device latency<br>(Supports 1, 2 or 5ms configurable using Dante® Controller) | |
| Audio Formats | DANTE IN [Digital audio input, PCM 2CH 44.1K-96KHz 16/24bit]<br>XLR OUT [Analog audio output, Balanced/unbalanced 2CH, Max input level +24dBu] | |
| Audio Parameters | **XLR Analog Audio Out** | |
| | Input Impedance | 600 Ohm balanced<br>300 Ohm unbalanced |
| | Line Input Level (Maximum) | +18dBu (6.15Vrms) @balanced audio<br>+12dBu (3.08Vrms) @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) &<br>±4kV (Contact discharge) | |

| | |
|---|---|
| **Connection** | |
| Input port | 1x DANTE [RJ45 connector, PoE]<br>1x POWER [USB-C with USB power only, 12-pin female] |
| Output port | 2x CH1/CH2 XLR OUT [XLR female plug, with 30cm cable] |
| Others | 1x RESET button [System reboot button]<br>2x GAIN 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<br>PoE input: PoE IEEE802.3af Class 0 |
| Power Consumption | 1.25W (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) |

# 5. Application Example