NEXIS

Dante® 2CH Line Output Adapter

AC-D2L



1. Introduction

This Dante® 2CH Line Output Adapter is an audio converter based on the Dante® Ultimo 2x2 solution. It converts Dante® 2CH digital audio into two-channel balanced/unbalanced 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 analog audio
☆ Balanced/unbalanced 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 Line Output Adapter
② 1x 6pin-3.5mm Phoenix Connector (male)
③ 2x Hook & Loop
④ 1x User Manual

4. Specifications

Technical		
Input	Dante® 2CH digital audio	
Output	Two-channel balanced/unbalanced analog 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	DANTE IN [Digital audio input, PCM 2CH 44.1K-96KHz 16/24bit] LINE OUT [Analog audio output, Balanced/unbalanced 2CH, Max output level +18dBu]	
Audio Parameters	**LINE OUT**	
	Output Impedance	600 Ohm balanced 300 Ohm unbalanced
	Line Output Level (Maximum)	+18dBu (6.15Vrms) @balanced audio +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) & ±4kV (Contact discharge)	

Connection	
Input port	1x DANTE [RJ45 connector, PoE] 1x POWER [USB-C with USB power only, 12-pin female]
Output port	1x CH1/CH2 LINE IN [6pin-3.5mm phoenix connector]
Others	1x RESET button [System reboot button] 2x GAIN knob [5-level dip switch]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	115mm [W] x 40mm [D] x 28 mm [H]
Weight	94g
Power Supply	USB input: 5V/500mA 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)

7. Application Example

