Dante® 2-Channel XLR Input Adapter

Convert Professional XLR Audio to Dante® Digital Audio

MPN: AUD-DTE-XLRIN

Thank you for purchasing this product. Please read these instructions carefully before connecting, operating, or adjusting this product.

Surge protection recommended. Use surge protection to protect sensitive electrical components.

Network cable: Use CAT6 or CAT6A straight-through Ethernet cable. Do not cross-connect.

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1. INTRODUCTION

The KanexPro AUD-DTE-XLRIN is a Dante® 2CH XLR Input Adapter based on the Dante Ultimo 2×2 solution. It converts two-channel balanced or unbalanced XLR analog audio into Dante® 2CH digital audio and transmits it over a standard Ethernet network. Analog audio input supports 5-level sensitivity adjustment. The adapter supports 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 with integrated 30cm pigtail leads
- Dante® audio sampling: 44.1/48/88.2/96kHz @ 24-bit; AES67 RTP compatible
- Configurable Dante® device latency: 1, 2, or 5ms via Dante® Controller
- Five input sensitivity levels per channel: +24dBu, +4dBu, 0dBu, 0dBv, −10dBv
- Dual power: USB-C 5V/500mA or PoE IEEE 802.3af Class 0
- High-performance audio: SNR >100dB, THD+N <0.01%, 20Hz–20kHz ±0.5dB
- ESD protection: IEC 61000-4-2 ±8kV air / ±4kV contact

3. PACKAGE CONTENTS

① 1× Dante® 2CH XLR Input Adapter

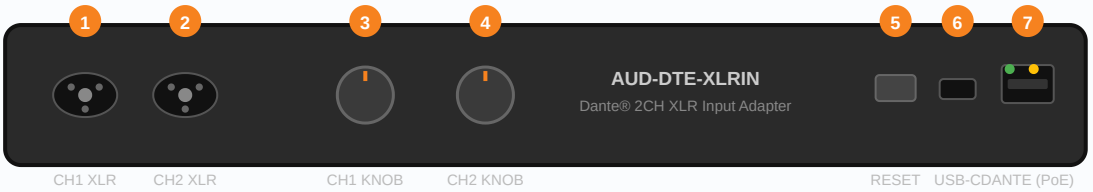
② 2× Hook & Loop fasteners

③ 1× User Manual

4. SPECIFICATIONS

TECHNICAL	
Audio Formats	XLR IN: PCM 2CH, max +24dBu balanced / +18dBu unbalanced DANTE OUT: PCM 2CH, 44.1/48/88.2/96kHz @ 16/24-bit
Input Sensitivity	+24dBu / +4dBu / 0dBu / 0dBv / −10dBv (5-level, per channel)
Input Impedance	20kΩ balanced / 10kΩ unbalanced
Latency	1 / 2 / 5ms configurable | Sync delay <10ms
SNR / THD+N	>100dB @ 0dBu, 1kHz | <0.01% @ +4dBu, 1kHz
Frequency Response	20Hz–20kHz ±0.5dB
Network Bandwidth	100Mbps | Up to 100m / 328ft (CAT6/6A/7)
Control	Dante® Controller | AES67 RTP compatible
ESD Protection	IEC 61000-4-2: ±8kV air / ±4kV contact
CONNECTION	
Input	2× XLR IN (balanced/unbalanced, 30cm pigtail); 1× USB-C (power/firmware)
Output	1× Dante® RJ45 (PoE); 1× RESET button
POWER & MECHANICAL	
Power Supply	USB-C 5V/500mA | PoE IEEE 802.3af Class 0 | 2W max
Dimensions / Weight	115 × 40 × 28mm | 173g | Plastic, Black
Temperature	Operating: 0°C–40°C | Storage: −20°C–60°C
Humidity	Operating: 20–80% RH | Storage: 10–90% RH

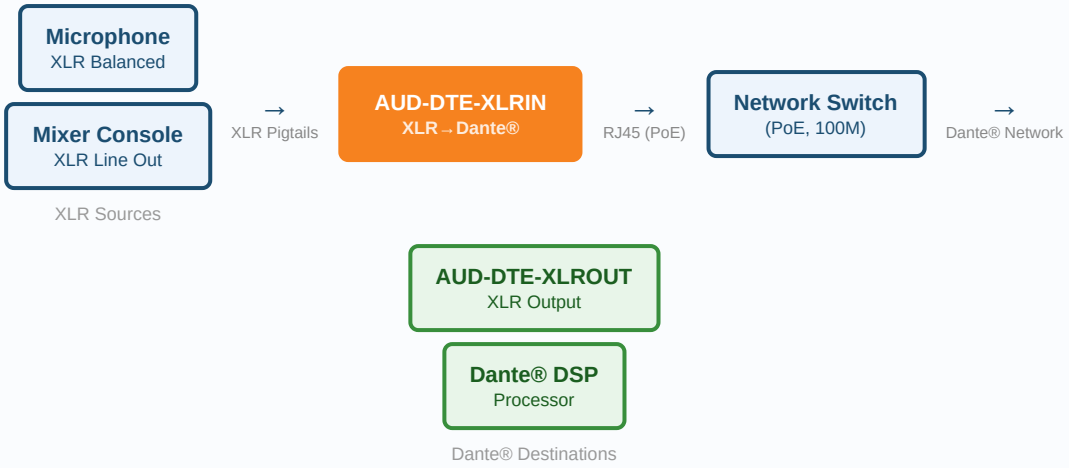
5. OPERATION CONTROLS AND FUNCTIONS



NO.	NAME	FUNCTION DESCRIPTION
1	**CH1 XLR Plug**	Balanced/unbalanced XLR analog audio input for Channel 1. 30cm pigtail lead, XLR female. Connect to mic, mixer, or preamp output.
2	**CH2 XLR Plug**	Balanced/unbalanced XLR analog audio input for Channel 2. 30cm pigtail lead, XLR female.
3	**CH1 Sensitivity Knob**	5-level sensitivity adjustment for Channel 1: 1→+24dBu, 2→+4dBu, 3→0dBu, 4→0dBv, 5→−10dBv. Set to match source output level.
4	**CH2 Sensitivity Knob**	5-level sensitivity adjustment for Channel 2. Same levels as CH1. Adjust independently per source.
5	**RESET Button**	System reboot button. Device settings reset must be performed via Dante® Controller — this button reboots only.
6	**POWER Port (USB-C)**	USB-C 5V/500mA power input and firmware update port. Use when PoE is unavailable.
7	**DANTE Port (RJ45/PoE)**	Dante® digital audio output. Connect to PoE switch via CAT6/6A/7 (max 100m). Green LINK LED: always on. Yellow DATA LED: flashes on transmission. Provides PoE power when connected to PoE switch.

6. APPLICATION EXAMPLE

Typical Setup — Dante® 2-Channel XLR Input Adapter



How it works: Connect XLR microphones or line sources to CH1/CH2 pigtail leads. Set per-channel sensitivity knobs to match source level. The unit encodes both channels as Dante® 2CH PCM and transmits over RJ45 to a PoE network switch. Any Dante®-enabled device on the network can receive the audio streams via Dante Controller. Powered by PoE from the switch or USB-C — no external power adapter required.

TRADEMARKS

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