

Dante Powered 2-Channel Line In Audio Input Encoder with POE

Convert Balanced/Unbalanced Analog Audio to Dante® Digital Audio

MPN: AUD-DTE-ECODE



1 PRODUCT OVERVIEW

DESIGNED FOR

Installed sound contractors and AV integrators specifying Dante® for permanent installations where Phoenix screw-terminal wiring is standard; system designers encoding analog line sources into a Dante® network backbone.

THE CHALLENGE

Getting analog line-level sources into a Dante® network from permanent installations requires rack converters or pigtail adapters unsuitable for terminal-block wiring. A compact PoE-powered Phoenix connector encoder has been the missing link.

THE KANEXPRO ADVANTAGE

Phoenix 6-pin screw-terminal input (not pigtails), fixed 3-position GAIN switch, DC 12V + PoE dual power, Dante Ultimo 2x2 + AES67, metal enclosure, 120x47x26mm. Companion form factor to AUD-DTE-DCODE.

2 PRODUCT POSITIONING

AUD-DTE-ECODE is the install-grade analog-to-Dante® encoder for integrators who need clean balanced line input at the source rack without pigtail cables or separate power supplies.

3 APPLICATIONS



Corporate AV / Conference

Encode line-level audio sources (CD player, BGM system, AV rack output) to Dante® via Phoenix connector — ideal for permanent boardroom installs.



House of Worship

Connect line-level mix outputs from analog mixing console to Dante® network for distribution to monitors, recording, and broadcast feeds.



Installed Sound / Venues

Encode background music source outputs to Dante® at head-end equipment rack — Phoenix wiring integrates seamlessly with permanent terminal-block infrastructure.



Broadcast / Production

Feed analog line-level sources (playback systems, outboard gear) into Dante® AoIP production network with AES67 interoperability.



Education / Lecture Hall

Connect analog audio outputs from lectern or AV rack to campus-wide Dante® backbone for multi-room distribution and recording.



Hospitality / Zoned Audio

Encode analog music or paging source at head-end to Dante® network for multi-zone distribution to AUD-DTE-DCODE decoder endpoints at each zone.

4 WHO THIS IS FOR

AV Integrators

Installed Sound

House of Worship

Corporate AV

Education

Hospitality

Ideal User

Installed sound integrator or AV systems designer specifying Dante® for permanent corporate, worship, or hospitality installs. Familiar with Phoenix terminal-block wiring standards.

Project Types

Houses of worship, corporate conference rooms, hospitality and multi-zone venues, K–12 and higher education, broadcast facilities, installed sound in public spaces.

Typical Buyer

Installed sound integrator or AV systems designer; facilities AV manager at end-user institution.

5 KANEXPRO PRODUCT COMPARISON

AUD-DTE-ECODE is the install-grade analog encoder in the Dante® adapter lineup:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
AUD-DTE-ECODE	Analog to Dante® (Install)	Phoenix connector, 3-level gain switch, DC 12V + PoE	This product — install-grade wiring
AUD-DTE-DCODE	Dante® to Analog (Install)	Phoenix connector, 3-level gain switch, DC 12V + PoE	Companion decoder — same Phoenix form factor
AUD-DTE-XLRIN	XLR to Dante® (Flexible)	XLR pigtails, 5-level sensitivity knob, PoE + USB-C	Use for XLR pigtail connections; flexible/touring use
AUD-DTE-USB	USB to Dante®	USB Audio Class 1.0 ↔ Dante®, no drivers	Use for PC/Mac computer audio sources

► Pair AUD-DTE-ECODE (encoder) with AUD-DTE-DCODE (decoder) for a complete balanced analog ↔ Dante® ↔ analog bridge using installation-grade Phoenix wiring.

6 FREQUENTLY ASKED QUESTIONS

Why Phoenix connectors instead of pigtail cables?

Phoenix screw-terminal connectors are the installed sound standard for permanent wiring — reliable, conduit-compatible, and cannot be accidentally unplugged.

How does the GAIN switch work?

A 3-position dip switch sets fixed input gain: +18dBu (high-headroom sources), 0dBu (default, standard line level), –10dBv (consumer-level). Set once during commissioning — cannot drift.

Can this be powered without PoE?

Yes — connect a regulated DC 12V supply via the included 2-pin Phoenix connector.

How does this compare to AUD-DTE-XLRIN?

AUD-DTE-ECODE uses Phoenix screw-terminal wiring and a 3-level gain switch — best for permanent installs. AUD-DTE-XLRIN uses XLR pigtails and a 5-level knob — better for flexible/touring deployments.

What is the pin-out of the 6-pin Phoenix connector?

Pins 1–3: CH1+ / CH1– / GND. Pins 4–6: CH2+ / CH2– / GND. Supports balanced (+/–) or unbalanced (+ and GND, leave – unconnected).

Is AES67 supported?

Yes — configurable via Dante Controller for cross-vendor AES67 routing.

What pairs with this for a complete encode/decode solution?

Pair with AUD-DTE-DCODE (same Phoenix form factor decoder) for a complete balanced analog ↔ Dante® ↔ analog bridge.