8x8 XLR to Dante/AES67 Audio Bridge with +48V Phantom, PEQ and Delay, 1U

Mic and Line Sources onto a Dante® Network Without a Separate Preamp or DSP - 8-Band PEQ, 50ms Delay, Web GUI Control

MPN: AUD-DTE-8X8XLR



Puts eight mic or line sources onto a Dante® network, and brings eight Dante® channels back out to analog XLR, from a single rack unit with no separate preamp or DSP. AUD-DTE-8X8XLR is a 1U, 19-inch metal bridge. It has eight XLR/TRS combo inputs with switchable +48V phantom power on every channel and eight balanced XLR line outputs.

Each input offers six sensitivity settings from -35dBV to +24dBu, so wireless receivers, condenser mics, mixers and playback devices connect directly. Each output offers five levels up to +20dBu, so it can feed amplifiers, IEM transmitters and legacy DSPs. On-board DSP provides gain, an 8-band parametric EQ on every input and output, up to 50ms of output delay, and five recallable preset scenes. The unit carries Dante® 8x8 with AES67 at 44.1kHz to 96kHz, 16 or 24 bits, with device latency selectable from 2ms to 10ms. You can set it up in Dante® Controller and the built-in Web GUI, and control systems can drive it over an ASCII API on TCP/IP or Telnet. One unit does the work of eight 2-channel endpoints.

1 PRODUCT OVERVIEW

DESIGNED FOR

Equipment racks where analog XLR gear meets a Dante® network: the stage rack in a house of worship, the amplifier and DSP rack in a lecture hall, the AV closet behind a boardroom or town hall, the house rack in a ballroom or divisible meeting space, and the stage-to-console interface in a small venue or rental kit.

THE CHALLENGE

Rooms full of working analog gear such as consoles, wireless receivers, amplifiers and IEM transmitters still need eight or more channels on and off the Dante® network. Built from 2-channel adapters, that takes eight devices, eight switch ports, eight IP addresses and a loose bundle of boxes behind the rack. The alternative is a larger broadcast-grade interface with headroom the job does not need. The room may then still need an outboard processor for speaker EQ and delay-zone alignment.

THE KANEXPRO ADVANTAGE

- Real XLR connectors on all sixteen channels, with +48V phantom and six sensitivity settings per input, so mics and line sources connect without a separate preamp or breakout loom.
- An 8-band PEQ on every input and output and up to 50ms of output delay handle speaker tuning and delay zones without a separate processor.
- AES67 support plus an ASCII API over TCP/IP and Telnet let it work with other-brand DSPs and control systems on the same network.

2 PRODUCT POSITIONING

The AUD-DTE-8X8XLR is the 8x8 XLR to Dante/AES67 Audio Bridge with +48V Phantom, PEQ and Delay, 1U for AV integrators who want analog audio on Dante® with DSP at the interface.

3 APPLICATIONS

House of worship, FOH-to-stage bridge

A church keeping its analog console moves eight wireless and choir mic feeds onto the Dante network at the stage rack, with +48V on the condenser inputs. Eight Dante mixes come back out on XLR to analog amplifiers and IEM transmitters.

Higher-ed lecture hall retrofit

A campus standardising on Dante keeps the analog amplifiers and DSP in existing halls. One 1U unit per hall puts lectern, wireless and program audio onto the network for recording and overflow rooms, and feeds the amplifiers from Dante. PEQ and delay on the outputs handle speaker tuning and delay-zone alignment without adding a processor.

Corporate town hall and boardroom

Analog XLR feeds from a mic mixer and the AV system's audio outputs join the building's Dante and AES67 network. Town-hall audio then reaches streaming encoders, overflow rooms and recording appliances. PoE+ from the network switch removes the need for a local power outlet in the AV closet.

Hospitality and event spaces

A ballroom or divisible meeting space puts its analog wall-input panels and its amplifier rack on the house Dante network. Any room's mic inputs can then be routed to any zone. KanexPro AUD-DTE-WPXLR wall plates serve the edge positions; the 8x8 unit is the rack hub.

Live venue and rental stage rack

A small venue or rental company uses the unit as a compact 8x8 stage-to-network interface between an analog stage snake, IEM transmitters and a Dante-equipped console. A fixed device latency of 2–10 ms and 96 kHz/24-bit operation keep monitoring tight.

High-end residential and media room

A residential integrator ties an analog preamp/processor, turntable stage and zone amplifiers into a whole-house Dante system. Eight outputs feed multichannel analog amplification from network sources, and the 1U form fits the equipment rack.

4 WHO THIS IS FOR

Worship | Education | Corporate | Hospitality and events | Rental and staging | Broadcast and streaming | And high-end residential

Ideal User	an audio systems engineer or lead installer at a commercial integrator who is fluent in Dante Controller. Second persona: the technical director at a church or venue who buys direct from resellers.
Project Types	worship, education, corporate, hospitality and events, rental and staging, broadcast and streaming, and high-end residential.
Typical Buyer	- Purchasing at the integrator buys it. - In worship and education, the end-user TD often names the part on the bid.

5 FREQUENTLY ASKED QUESTIONS

Q: Is this a full Dante device, and does it work with AES67 systems?

Yes. It is a native Dante device with 8 channels in and 8 channels out, and it also supports AES67. It appears in Dante Controller like any other Dante device, so routing, clocking and device latency are set there. AES67 support lets it exchange audio with AES67-based systems on the same network.

Q: Can I connect microphones directly, or only line-level sources?

Both. Each of the eight inputs is an XLR/TRS combo connector that accepts balanced or unbalanced mic or line signals, with +48V phantom power on every input. Six input sensitivity settings run from -35 dBV for microphones up to +24 dBu for professional line-level sources, so most mixers, wireless receivers and playback devices connect without an external preamp or pad.

Q: How is it powered, and do I need a power outlet in the rack?

It runs from a PoE+ (IEEE 802.3at, Class 4) network switch port or from the included 12V locking power supply, so a rack with PoE+ switching needs no local outlet. Maximum draw is 15.36W, which sits within a standard PoE+ port budget.