2x2 XLR Dante Audio Bridge with DSP, 8-Band PEQ and Delay

Mic-to-Line Analog onto Dante® and Back, Tuned at the Box, from -35dBV Mic to +24dBu Line Level

MPN: AUD-DTE-2X2XLR



Puts two analog XLR sources onto a Dante® network and sends two Dante® feeds back out to analog XLR, all from one box at the equipment location. The AUD-DTE-2X2XLR is a bidirectional 2x2 audio bridge in a 1U-high black metal enclosure, 8.27 in wide. It runs on PoE+ (IEEE 802.3at, Class 4) from the network switch or from the supplied 12V locking DC supply, and draws 5.4W maximum. Each XLR/TRS combo input supplies +48V phantom power and has six sensitivity steps, from -35dBV mic level to +24dBu line level. Each balanced XLR output has five selectable levels up to +20dBu.

Built-in DSP adds 8-band parametric EQ (+/-15dB) on both inputs and both outputs, plus delay on the outputs. Zone tuning, speaker voicing and delay alignment are set at the bridge rather than in an external processor. Two locking RJ45 ports connect to Dante primary and secondary networks: if the primary network fails, the unit switches to the secondary automatically. The bridge supports AES67 and carries Dante audio at 44.1kHz to 96kHz, 16/24-bit. It is routed in Dante Controller like any Dante device. Its local settings are handled in a built-in Web GUI with separate Admin and User accounts and five preset scenes, or through ASCII commands over TCP/IP. Its biggest advantage is that one box does the work of separate input and output adapters. A 2x2 job needs one switch port, one PoE budget and one device to configure.

2x2 XLR In and Out	**48V** Phantom Per Input	**8-Band PEQ** Inputs and Outputs	**PoE+** or 12V DC

KEY FEATURES

- 2x XLR/TRS combo inputs and 2x balanced XLR outputs, Dante® 2x2 and AES67
- +48V phantom power on each input, switchable per input
- Six input sensitivity steps, -35dBV mic to +24dBu line; five output levels to +20dBu
- 8-band PEQ (+/-15dB) on inputs and outputs, output delay
- 44.1–96kHz, 16/24-bit; 5ms or 10ms Dante latency
- Web GUI with five presets, Dante Controller and TCP/IP API control
- PoE+ (Class 4) or 12V DC locking supply, 5.4W max
- Works with RelayAV, KanexPro's control app

SPECIFICATIONS

Inputs	2x XLR/TRS combo, female - mic/line, +48V phantom
Outputs	2x XLR, male - balanced/unbalanced
Input Sensitivity	-35dBV / -18dBV / 0dBV / +4 / +14 / +24dBu
Output Levels	-18dBV / 0dBV / +4 / +14 / +20dBu
Dante / AES67	2x2 - 44.1–96kHz - 16/24-bit - 5 or 10ms latency
Network	2x locking RJ45, primary/secondary - 328ft (100m) CAT6
DSP	8-band PEQ +/-15dB in/out - output delay
Performance	20Hz–20kHz +/-0.5dB - THD+N <0.01% - S/N at least 105dB
Control	Web GUI - Dante Controller - TCP/IP API (port 8000) - RelayAV
Power	PoE+ Class 4 or 12V/1A locking DC - 5.4W max
Dimensions / Weight	8.27 × 5.91 × 1.73 in (210 × 150 × 44 mm) · 1.98 lbs (0.90 kg)
Operating Temp	32°F to 104°F (0°C to 40°C)
Package Contents	1x 2x2 XLR Audio Bridge with Dante® and PoE+ • 1x 12V/1A locking power supply with optional multinational conversion plug • 2x mounting ear • 8x machine screw

APPLICATIONS

Houses of Worship Wireless mics and choir onto Dante	**Analog FOH Consoles** Main mix out, Dante returns in	**Divisible Ballrooms** Zone feeds tuned with PEQ and delay	**Lecture Halls** Lectern mics to DSP over PoE+	**Streaming and Broadcast** Program mix out to camera XLR