4x4 XLR Dante® Audio Bridge with 8-Band PEQ and Delay, 1U Rack

Level-Match, EQ and Time-Align at the Bridge - 8-Band PEQ on Every Input and Output, up to 50ms Output Delay, 6 Input Sensitivities



Brings four analog sources onto a Dante® network and sends four Dante® feeds back out to analog, with level matching, EQ and time alignment handled in the bridge itself. AUD-DTE-4X4XLR is a 1U, 19-inch metal rack unit. It has four XLR/TRS combo mic/line inputs, each with switchable +48V phantom power, and four balanced XLR line outputs.

A global line-up setting chooses one of six input sensitivities, from -35dBV for microphones to +24dBu for hot console outputs, and one of five output levels, from +20dBu to -18dBV. The same unit can take condenser mics and wireless receivers and drive professional or consumer-level destinations. Every input and output has an 8-band parametric EQ (+/-15dB) with parametric, shelf and pass filters, and every output has up to 50ms of delay. Five presets store complete room setups. The unit is configured from its built-in Web GUI or from Dante® Controller, supports AES67, and accepts ASCII commands over TCP/IP and Telnet from a control system. The strongest differentiator is its primary and secondary Dante® ports, both PoE+ capable. If the primary network fails, audio switches to the secondary network automatically, and each port can power the unit on its own.

Surge Protection Recommended — This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, or lightning strikes. Use of surge protection systems is highly recommended.

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1. Features

- ✓ Four balanced analog inputs on XLR/TRS combo connectors, female
- ✓ Four balanced analog outputs on XLR, male
- ✓ Dante® 4x4 and AES67 audio input and output
- ✓ Accepts and delivers balanced or unbalanced analog audio
- ✓ +48V phantom power on each input, switched on or off per input, with a rear-panel indicator for each input
- ✓ Adjustable global 0dBFS line-up selection:
  - ✓ Six input sensitivity levels: -35dBV, -18dBV, 0dBV, +4dBu, +14dBu, +24dBu
  - ✓ Five output levels: +20dBu, +14dBu, +4dBu, 0dBV, -18dBV
  - ✓ Built-in audio DSP for sensitivity gain, 8-band PEQ and delay control
  - ✓ 8-band PEQ (+/-15dB) on every input and output, with Parametric, Lowpass, Highpass, Low Shelf and High Shelf filter types; stereo linking of input and output pairs; copy, import and export of PEQ settings
  - ✓ Up to 50ms of delay on every output
  - ✓ Dante® audio at 44.1kHz, 48kHz, 88.2kHz and 96kHz sampling rates, 16- or 24-bit
  - ✓ Five preset scenes for saving and recalling complete setups
  - ✓ Set up from the built-in Web GUI, with separate Admin and User accounts, or from Dante® Controller
  - ✓ ASCII API control over TCP/IP (default port 8000) and Telnet (default port 23)
  - ✓ DHCP or static IP addressing, set separately for the primary and secondary networks
  - ✓ Firmware updates and configuration export and import from the Web GUI
  - ✓ Standard 1U 19-inch rack-mount metal chassis
  - ✓ Works with RelayAV, KanexPro's control app: master volume and mute, each output's volume, mute, delay and level, each input's gain, mute, sensitivity and 48 V phantom power, input and output EQ, presets, auto standby and power, from the RelayAV app

2. Package Contents

- ✓ 1x AUD-DTE-4X4XLR 4x4 XLR Dante® Audio Bridge
- ✓ 1x 12V/2.5A locking power supply with multinational plug adapters
- ✓ 2x Rack-mounting ears
- ✓ 8x Machine screws

3. Specifications

AUDIO	
Dante® Audio	Dante®/AES67 digital audio in/out; 44.1kHz, 48kHz, 88.2kHz, 96kHz; 16/24-bit
Analog Inputs	4x mic/line, balanced/unbalanced
Analog Outputs	4x line, balanced/unbalanced
Input Sensitivity	-35dBV, -18dBV, 0dBV, +4dBu, +14dBu, +24dBu
Output Level	+20dBu, +14dBu, +4dBu, 0dBV, -18dBV
Input Level	Max 24dBu (12.28Vrms), balanced line audio Max 18dBu (6.14Vrms), unbalanced line audio Min -35dBV (17.78mVrms), balanced mic audio
Input Impedance	20k Ohm balanced 10k Ohm unbalanced
Output Level (Max)	20dBu (7.75Vrms), balanced audio 14dBu (3.875Vrms), unbalanced audio
Output Impedance	600 Ohm balanced 300 Ohm unbalanced
Phantom Power	+48V on each input, switchable per input
THD+N	< 0.01% at +4dBu, 1kHz
S/N Ratio	at least 105dB at +4dBu, 1kHz, A-weighted
Dynamic Range	at least 105dB at +4dBu, 1kHz, A-weighted
Frequency Response	20Hz to 20kHz (+/-0.5dB)
DSP	
Parametric EQ	8 bands on every input and output; +/-15dB gain; 20Hz to 20kHz; Q 0.02 to 16
Filter Types	Parametric, Lowpass, Highpass, Low Shelf, High Shelf
Input Gain	-12dB to +12dB, 0.1dB steps
Output Delay	0 to 50ms per output
Presets	5 user presets
CONNECTIONS	
Mic/Line Inputs	4x XLR/TRS combo, female
Line Outputs	4x XLR, male
Dante® Primary	1x RJ45 locking connector, PoE+/PD (Class 4, IEEE 802.3at)
Dante® Secondary	1x RJ45 locking connector, PoE+/PD (Class 4, IEEE 802.3at)
Power	1x 12V DC, 2-pin locking jack, max 2.5A
Ground	1x GND terminal
XLR Pinout	Pin 1: Ground/Shield; Pin 2: Positive/Hot; Pin 3: Negative/Cold
NETWORK AND CONTROL	
Network Bandwidth	Dante® network, 1000M

continued

Transmission Distance	328 ft (100 m) over CAT6/6A/7
Control	Built-in Web GUI, Dante® Controller, TCP/IP and Telnet ASCII API; RelayAV
Default Ports	TCP/IP: 8000; Telnet: 23 (both configurable)
IP Addressing	DHCP (default) or static, set per network
INDICATORS AND BUTTONS	
Front Panel	POWER LED, STATUS LED, RESET button
Rear Panel	4x green 48V phantom power indicators, one per input
POWER	
Power Supply	12V/2.5A 2-pin locking power supply, or PoE+/PD (Class 4, IEEE 802.3at)
Power Consumption	10.2W max
PHYSICAL	
Housing	Metal enclosure
Color	Black
Form Factor	Standard 1U 19-inch rack-mount
Dimensions (W x D x H)	17.32 x 7.87 x 1.73 in (440 x 200 x 44 mm)
Weight	4.72 lbs (2.14 kg)
ENVIRONMENTAL	
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	20% to 80% RH, non-condensing
Storage Humidity	10% to 90% RH, non-condensing
ESD Protection	IEC 61000-4-2: +/-8kV (air-gap discharge), +/-4kV (contact discharge)

4. Product check

It describes a 4x4 XLR audio bridge with Dante® and PoE+: four analog XLR/TRS inputs, four analog XLR outputs and two Dante RJ45 ports. AUD-DTE-4X4XLR is that product.

A category and subcategory are still needed. A person has to pick them;

5. Introduction

This product contains sensitive electrical parts. Electrical spikes, surges, electric shock and lightning strikes can damage them. Use a surge protection device to protect the unit and extend its life.

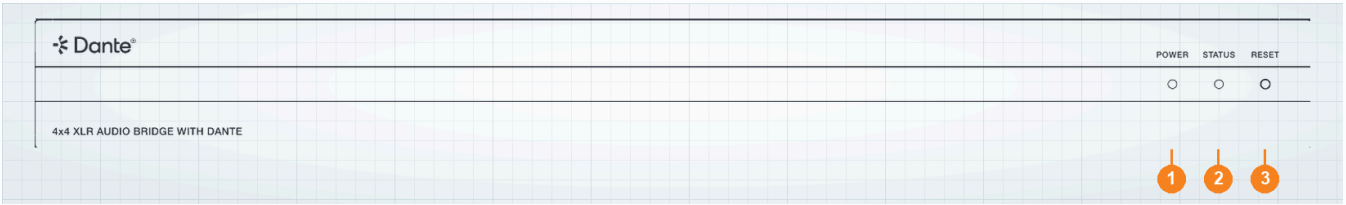
The 4x4 XLR Audio Bridge with Dante® converts in both directions between analog XLR audio and Dante® digital audio. It has four analog inputs and four analog outputs and is built on the Dante® DEP platform.

The analog inputs use XLR/TRS combo connectors, so they take balanced or unbalanced audio. Each input can supply 48V phantom power and has six input sensitivity levels. The outputs have five output levels.

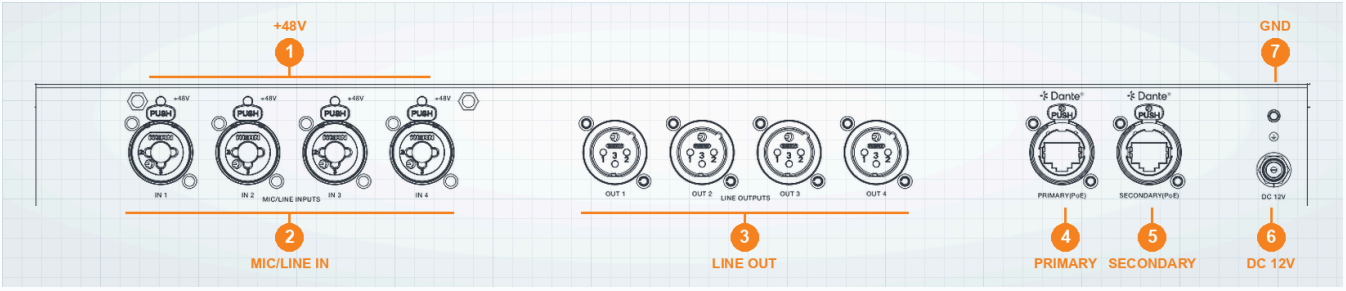
Built-in audio processing gives you gain, equalizer and delay control. You can set the unit up from its built-in Web GUI or from the standard Dante® Controller software. You can power it by PoE+ on either network port or by its local DC power supply.

The unit is a 1U rack-mount design. It works with many kinds of professional audio equipment and makes the wiring of an AV system much simpler.

6. Panel descriptions



Front Panel



Rear Panel

FRONT PANEL

No.	Name	Description
1	**POWER LED**	Green: the unit is powered on, by PoE+ or the DC power supply. Red: the unit is in standby. Off: the unit is powered off.
2	**STATUS LED**	Shows the system status. Steady green means the system is working normally. Flashing at 2Hz means the system has a fault.
3	**RESET button**	Press briefly to reset the system. To reset to KanexPro default settings, press and hold for 5 seconds. All front-panel LEDs then flash at 2Hz for 5 seconds.

REAR PANEL

No.	Name	Description
1	**48V phantom power indicator lights**	Four green lights, one for each MIC/LINE input. A light is on when its input is used as a microphone input and 48V phantom power is turned on for it.
2	**MIC/LINE INPUTS ports**	Four XLR/TRS combo inputs for balanced or unbalanced audio. As line inputs they take up to 24dBu. As microphone inputs the minimum input level is -35dBV. Each port can power a connected microphone with 48V phantom power once you turn phantom power on in the Web GUI or by API command.
3	**LINE OUTPUTS ports**	Four XLR line outputs for balanced or unbalanced audio, with a maximum output level of 20dBu.

continued

No.	Name	Description
4	**PRIMARY (PoE) / SECONDARY (PoE) port**	The Dante® primary and secondary network ports. Both support PoE+ and carry Dante® audio in and out, plus Web GUI and TCP/IP control. The two networks work as hot backups: if the primary network has a problem, the unit switches to the secondary network automatically.
5	**DC 12V**	12V/2.5A DC power input.
6	**GND**	Connects the unit's housing to ground.

7. Dante® Web GUI Operation Guide

You can control the audio bridge from its built-in Dante® Web GUI.

SIGNING IN

1. Connect the Dante® PRIMARY (PoE) port of the audio bridge to an Ethernet switch. 2. Connect your PC to the same switch. Set the PC's network connection to "Obtain an IP address automatically". 3. Open the Dante® Controller software on the PC and find the audio bridge on the Routing page. 4. Click the Device Info tab to see the audio bridge's IP address. The audio bridge uses DHCP by default, so use Dante® Controller to find its address. 5. Type that IP address into the PC's browser to open the Web GUI sign-in page. 6. Sign in with the Admin account, enter its password and click **LOGIN**. The Information page opens.

The Web GUI has two accounts, Admin and User. Signing in as User opens the User page, described at the end of this section.

INFORMATION PAGE

This page shows basic information about the audio bridge:

- model name
- MCU version, Web version and DEP SDK version
- IP host name
- network settings for the primary and secondary networks

CONTROLS ON EVERY PAGE

The upper right corner of every page has four controls:

1. **Master Out volume.** Click the volume icons to raise or lower the Master Out volume. Click the mute icon to mute or unmute Master Out; the icon turns red while muted. 2. **Username.** Shows whether you are signed in as User or Admin. 3. **Power icon.** Click it to power the audio bridge on or put it in standby. 4. **Logout icon.** Click it to sign out and return to the sign-in page.

PRESET PAGE

You can store up to five preset scenes.

1. **Preset Name.** Name each scene, up to 32 characters. 2. **Save.** Click to save the current settings to the scene. 3. **Clear.** Click to clear a saved scene. 4. **Recall.** Click to recall a saved scene.

INPUT PAGE (INPUT SETTING)

1. **XLR IN 1/2/3/4.** Set the volume of each input, or mute and unmute it. You can rename each input channel, up to 32 characters. 2. **Sensitivity.** For each input, choose a sensitivity from the drop-down list: +24dBu, +14dBu, +4dBu, 0dBV, -18dBV or -35dBV. 3. **Phantom Power.** Turn 48V phantom power on or off for each input. While it is on, that XLR IN port on the rear panel powers the microphone connected to it.

OUTPUT PAGE (OUTPUT SETTING)

1. **Master Out.** Master Out controls every output whose XLR OUT switch is turned on. Set the Master Out volume, or mute and unmute it. To set the volume or mute of one output on its own, use that output's XLR OUT 1/2/3/4 switch. 2. **XLR OUT 1/2/3/4.** For each output, choose a gain from the drop-down list: +20dBu, +14dBu, +4dBu, 0dBV or -18dBV. You can also set its delay, raise or lower its level, and mute or unmute it. You can rename each output channel, up to 32 characters.

DSP PAGE (PEQ SETTING)

1. **Output.** Choose the channel to adjust from the drop-down list: any of XLR IN 1–4 or XLR OUT 1–4. 2. **Stereo.** Turn stereo mode on or off. 3. **Equalizer. Flat** sets every EQ band to 0dB. **Custom1** and **Custom2** hold your own EQ curves. 4. **Bands 1–8.** These are the eight PEQ bands; the selected band shows a blue grid. For the selected band you can set:

- **Filter Type:** Parametric, Lowpass, Highpass, Low Shelf or High Shelf
- **Gain [dB]:** open the drop-down and drag the slider
- **Frequency [Hz]:** open the drop-down and drag the slider
- **Q:** open the drop-down and drag the slider

5. **Clear.** Click to clear the PEQ settings. 6. **Copy PEQ Settings.** Copies the PEQ settings to any of XLR IN 1–4 or XLR OUT 1–4. 7. **Export PEQ Settings.** Saves the PEQ settings to a file. 8. **Import PEQ Settings.** Loads PEQ settings from a file.

NETWORK PAGE

Network Configuration. Set the IP mode of the primary and the secondary network to DHCP or Static.

- **DHCP:** the audio bridge takes the IP address your router assigns and fills it in.
- **Static:** enter the IP Address, Subnet Mask and Gateway yourself, then click **Save**.

You can also set the TCP Port, Telnet Port and Domain Name of the primary network. The Information page shows the Domain Name as the IP Hostname. Every unit has its own domain name, which ends in ".local", and you can change it (up to 32 characters). You can type the domain name into your browser instead of the IP address to open the Web GUI.

Click **Save** to apply your changes, or **Cancel** to discard them.

SYSTEM PAGE

System Utilities

1. **Power On.** Turns the audio bridge on or off. 2. **Standby Mode.** Choose Standby or Sleep from the drop-down list. 3. **Auto Standby Time.** Drag the slider or type a value. A value of 0 turns auto standby off. 4. **Reboot.** Restarts the audio bridge. 5. **Restore Factory Settings.** Returns the audio bridge to its KanexPro default settings. 6. **Export Settings.** Saves the configuration to a file. 7. **Import Settings.** Loads a configuration file.

Account Passwords. Change the sign-in password of the User and Admin accounts, then click **Save**.

Firmware Update. Click **Choose File**, select the update file, then click **Update**. The update is finished when the progress bar reaches 100%.

USER PAGE

Sign in with the User account and its password, then click **LOGIN**. The User page has two controls:

1. **Preset.** Recall a saved preset scene. 2. **Master Out.** Works the same way as Master Out on the Output page.

8. Control with RelayAV

RelayAV is KanexPro's control app. Once the AUD-DTE-4X4XLR is on a RelayAV site, these controls are in the RelayAV app, and control systems reach the same controls through the RelayAV API and MCP.

- **Sound:** Volume; Mute everything; Outputs the master volume moves
- **Outputs:** Volume; Mute; Delay (ms); Output level
- **Inputs:** Gain (dB); Mute; Sensitivity; 48 V phantom
- **EQ:** Set an EQ band; Turn an EQ band on or off; EQ; Same EQ on the pair; Clear the EQ; Copy an EQ
- **Input EQ:** Set an EQ band; Turn an EQ band on or off; EQ; Same EQ on the pair; Clear the EQ; Copy an EQ
- **Presets:** Presets; Save a preset; Clear a preset
- **System:** Standby after no sound (min, 0 = never); Standby kind
- **Power:** Power

RelayAV asks before it switches 48 V phantom power on.

Set elsewhere, or not in RelayAV:

- Dante routing (which Dante channels it sends and receives) is set in Dante Controller.
- Which Dante network port is primary or secondary, and redundancy, are set in Dante Controller.
- On its own web page only: channel and preset names, exporting and importing its settings, and firmware updates.
- Never from RelayAV: network settings, logins, restart and reset to KanexPro default settings.

9. API Control Command

You can also control the audio bridge with ASCII commands over the network.

1. Connect the Dante® PRIMARY (PoE) or SECONDARY (PoE) port of the audio bridge to a switch. 2. Connect your PC to the same switch, so that both are on the same LAN. 3. Open a command tool on the PC and send ASCII commands to the audio bridge.

The default TCP/IP control port is 8000 and the default Telnet port is 23. You can change both (see Network Setting below).

In the tables below, `x` is the first parameter and `y` the second. For inputs, `x` = 0 means all inputs and 1–4 mean XLR IN1–XLR IN4. For outputs, `x` = 0 means all outputs and 1–4 mean XLR OUT1–XLR OUT4.

SYSTEM SETTING

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
help	Lists all commands	`help`	List of all API commands	
get type	Gets the device model	`get type`	AUD-DTE-4X4XLR	
status	Gets the device's current status	`status`	See "Status feedback" below	
?	Lists all commands	`?`	List of all API commands	
get fw version	Gets the firmware version	`get fw version`	MCU 1.1.0 Web 1.1.0	
power on	Powers the device on	`power on`	Power on System Initializing... Initialization Finished! Web: V1.00.03 MCU: V2.0.0 DEP: V1.3.3.5_20250806	
power off	Powers the device off	`power off`	Power: off	
get power	Gets the current power state	`get power`	Power: off	
set standby x	Sets the standby mode. x=1: Standby, x=2: Sleep	`set standby 1`	Standby mode: standby	1
get standby	Gets the standby mode	`get standby`	Standby mode: standby	
reboot	Reboots the device	`reboot`	Reboot… System Initializing... Initialization Finished! Web: V1.00.03 MCU: V2.0.0 DEP: V1.3.3.5_20250226	
reset	Resets system settings to default. Type "Yes" to confirm or "No" to cancel.	`reset`	Sure to Reset System Settings To Default? Type "Yes" after next prompt to confirm…	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
reset all	Resets system and network settings to default. Type "Yes" to confirm or "No" to cancel.	reset all	Sure to Reset System and Network Settings To Default? Type "Yes" after next prompt to confirm…	
set auto stb x	Sets the auto standby time. x=0: auto standby off; x=1–100: minutes	set auto stb 10	Auto standby time: 10mins	10
get auto stb	Gets the auto standby time	get auto stb	Auto standby time: 10mins	

INPUT SETTING

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set input x gain y	Sets the gain of input x to y. y=-12 to 12dB, step 0.1dB	set input 1 gain 10	XLR IN1 gain: 10dB	0
get input x gain	Gets the gain of input x	get input 1 gain	XLR IN1 gain: 10dB	
set input x gain+ set input x gain+y	Raises the gain of input x by y. y=0.1–24; if y is left out, the step is 1dB	set input 1 gain+ set input 1 gain+5	XLR IN1 gain: 1dB XLR IN1 gain: 6dB	
set input x gain- set input x gain-y	Lowers the gain of input x by y. y=0.1–24; if y is left out, the step is 1dB	set input 1 gain- set input 1 gain-5	XLR IN1 gain: 5dB XLR IN1 gain: 0dB	
set input x sensitivity y	Sets the sensitivity of input x. y=1: +24dBu, 2: +14dBu, 3: +4dBu, 4: 0dBV, 5: -18dBV, 6: -35dBV	set input 3 sensitivity 1	XLR IN3 sensitivity: +24dBu	—
get input x sensitivity	Gets the sensitivity of input x	get input 3 sensitivity	XLR IN3 sensitivity: +24dBu	
set input x mute on/off	Mutes or unmutes input x	set input 1 mute on	XLR IN1 mute: on	Off
get input x mute	Gets the mute status of input x	get input 1 mute	XLR IN1 mute: on	
set input x phantom power on/off	Turns 48V phantom power on or off for input x	set input 3 phantom power on	XLR IN3 phantom power: on	Off
get input x phantom power	Gets the 48V phantom power status of input x	get input 3 phantom power	XLR IN3 phantom power: on	

OUTPUT SETTING

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set master member <abcd>	Chooses which outputs Master Out controls. a=XLR OUT1, b=XLR OUT2, c=XLR OUT3, d=XLR OUT4; 1 includes the output, 0 leaves it out	set master member <1111>	Set master member: 1111	1111
get master member	Gets the Master Out members	get master member	1111	
set master vol x set vol x	Sets the Master Out volume. x=0–100	set master vol 50 set vol 50	Master volume: 50	50
get master vol get vol	Gets the Master Out volume	get master vol get vol	Master volume: 50	
set master vol+ / set vol+ set master vol+y / set vol+y	Raises the Master Out volume by y. y=1–100; if y is left out, the step is 1	set master vol+ set master vol+5	Master volume: 51 Master volume: 56	
set master vol- / set vol- set master vol-y / set vol-y	Lowers the Master Out volume by y. y=1–100; if y is left out, the step is 1	set master vol- set master vol-5	Master volume: 49 Master volume: 44	
set master mute on/off set mute on/off	Mutes or unmutes Master Out	set master mute on set mute on	Master mute: on	Off
get master mute get mute	Gets the Master Out mute status	get master mute get mute	Master mute: on	
set output x vol y	Sets the volume of output x. y=0–100	set output 2 vol 50	XLR OUT2 volume: 50	
get output x vol	Gets the volume of output x	get output 2 vol	XLR OUT2 volume: 50	
set output x vol+ set output x vol+y	Raises the volume of output x by y. y=1–100; if y is left out, the step is 1	set output 2 vol+ set output 2 vol+5	XLR OUT2 volume: 50 XLR OUT2 volume: 55	
set output x vol- set output x vol-y	Lowers the volume of output x by y. y=1–100; if y is left out, the step is 1	set output 2 vol- set output 2 vol-5	XLR OUT2 volume: 50 XLR OUT2 volume: 45	
set output x gain y	Sets the gain of output x. y=1: +20dBu, 2: +14dBu, 3: +4dBu, 4: 0dBV, 5: -18dBV	set output 3 gain 1	XLR OUT3 sensitivity: +20dBu	
get output x gain	Gets the gain of output x	get output 3 gain	XLR OUT3 sensitivity: +20dBu	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set output x mute on/off	Mutes or unmutes output x	`set output 2 mute on`	XLR OUT2 mute: on	Off
get output x mute	Gets the mute status of output x	`get output 2 mute`	XLR OUT2 mute: on	
set output x delay y	Sets the delay of output x. y=0–50ms	`set output 2 delay 50`	XLR OUT2 delay: 50ms	0
get output x delay	Gets the delay of output x	`get output 2 delay`	XLR OUT2 delay: 50ms	

DSP SETTING

For the EQ filter commands, t sets the filter type: 1 = Parametric, 2 = Lowpass, 3 = Highpass, 4 = Low Shelf, 5 = High Shelf. An EQ index of 0 means all eight bands.

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set input x eq preset y	Sets the PEQ preset of input x. y=1: Flat, 2: Custom1, 3: Custom2	`set input 1 eq preset 2`	XLR IN1 PEQ: Custom1	
get input x eq preset	Gets the PEQ preset of input x	`get input 1 eq preset`	XLR IN1 PEQ: Custom1	
set input x eq y on/off	Turns EQ band y of input x on or off. y=0–8	`set input 1 eq 0 on`	XLR IN1 EQ all: on	Off
get input x eq	Gets the on/off status of every EQ band of input x	`get input 1 eq`	XLR IN1 EQ 1: off … XLR IN1 EQ 8: off	
set input x eq stereo on/off	Turns EQ stereo mode on or off; the paired inputs share EQ settings. x=0: all inputs, 1: XLR IN1/2, 2: XLR IN3/4	`set input 1 eq stereo on`	XLR IN1/2 EQ stereo mode: on	Off
get input x eq stereo	Gets the EQ stereo mode status. x=0: all inputs, 1: XLR IN1/2, 2: XLR IN3/4	`get input 1 eq stereo`	XLR IN1/2 EQ stereo mode: on	
set input x eq y typ t frq z val aa q bb	Sets EQ band y of input x. y=0–8; t=1–5; z=20–20000Hz, step 1Hz; aa=-15 to 15dB gain, step 0.1dB; bb=0.02–16 Q, step 0.01	`set input 1 eq 1 typ 1 frq 200 val -18 q 0.02`	XLR IN1 EQ: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4	
get input x eq setting	Gets the settings of every EQ band of input x	`get input 1 eq setting`	Dante XLR IN1 EQ, with one line per band (1–8), for example "1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on"	
set input x eq clear	Clears the EQ settings of input x	`set input 1 eq clear`	Clear XLR IN1 EQ	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set output x eq preset y	Sets the PEQ preset of output x. y=1: Flat, 2: Custom1, 3: Custom2	set output 1 eq preset 2	XLR OUT1 PEQ: Custom1	
get output x eq preset	Gets the PEQ preset of output x	get output 1 eq preset	XLR OUT1 PEQ: Custom1	
set output x eq y on/off	Turns EQ band y of output x on or off. y=0–8	set output 1 eq 0 on	XLR OUT1 EQ 1: on … XLR OUT1 EQ 8: on	
get output x eq	Gets the on/off status of every EQ band of output x	get output 1 eq	XLR OUT1 EQ 1: off … XLR OUT1 EQ 8: off	
set output x eq stereo on/off	Turns EQ stereo mode on or off; the paired outputs share EQ settings. x=0: all outputs, 1: XLR OUT1/2, 2: XLR OUT3/4	set output 1 eq stereo on	XLR OUT1/2 EQ stereo mode: on	Off
get output x eq stereo	Gets the EQ stereo mode status. x=0: all outputs, 1: XLR OUT1/2, 2: XLR OUT3/4	get output 1 eq stereo	XLR OUT1/2 EQ stereo mode: on	
set output x eq y typ t frq z val aa q bb	Sets EQ band y of output x. y=0–8; t=1–5; z=20–20000Hz, step 0.1Hz; aa=-15 to 15dB gain, step 0.1dB; bb=0.02–16 Q, step 0.01	set output 1 eq 1 typ 1 frq 200 val -18 q 0.02	XLR OUT1 EQ: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4	
get output x eq setting	Gets the settings of every EQ band of output x	get output 1 eq setting	Dante XLR OUT1 EQ, with one line per band (1–8), for example "1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on"	
set output x eq clear	Clears the EQ settings of output x	set output 1 eq clear	Clear XLR OUT1 EQ	
set input/output x eq copy to input/output y	Copies the EQ of one input or output to another. x=1–4 (XLR IN/OUT 1–4); y=0: all inputs or outputs, 1–4: XLR IN/OUT 1–4	set input 1 eq copy to output 2	Set XLR IN1 EQ copy to XLR OUT2	

PRESET SETTING

Presets store every setting except the network settings.

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set preset save x	Saves the current settings to preset x. x=1–5	`set preset save 1`	Save to preset 1	
set preset recall x	Recalls preset x. x=1–5	`set preset recall 1`	Recall preset 1	
set preset clear x	Clears preset x. x=1–5	`set preset clear 1`	Clear preset 1	

NETWORK SETTING

A change to the IP mode, address, subnet mask or gateway takes effect only after you send `set net reboot` or power-cycle the unit; the unit reminds you in its reply. While a network is in DHCP mode it does not accept a static address, subnet mask or gateway. Set that network to static first.

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
get ipconfig	Gets the current IP configuration	`get ipconfig`	TCP/IP port and Telnet port, then for the primary and the secondary network: IP mode, IP address, subnet mask, gateway, MAC address and the stored static settings	
get pri mac addr	Gets the primary network MAC address	`get pri mac addr`	Primary MAC: xx:xx:xx:xx:xx:xx	
set pri ip mode x	Sets the primary network to static or DHCP. x=0: Static, 1: DHCP	`set pri ip mode 0`	Primary IP mode: Static (Please use "s net reboot!" command or repower device to apply new config!)	1
get pri ip mode	Gets the primary network IP mode	`get pri ip mode`	Primary IP mode: DHCP	
set pri ip addr xxx.xxx.xxx.xxx	Sets the primary network IP address	`set pri ip addr 192.168.1.100`	Primary IP address: <new address> (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config static address, set DHCP off first.	
get pri ip addr	Gets the primary network IP address	`get pri ip addr`	Primary IP: <current address>	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set pri subnet xxx.xxx.xxx.xxx	Sets the primary network subnet mask	`set pri subnet 255.255.255.0`	Primary Subnet Mask: 255.255.255.0 (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config subnet mask, set DHCP off first.	
get pri subnet	Gets the primary network subnet mask	`get pri subnet`	Primary Subnet Mask: 255.255.255.0	
set pri gateway xxx.xxx.xxx.xxx	Sets the primary network gateway	`set pri gateway 192.168.1.1`	Primary Gateway: 192.168.1.1 (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config gateway, set DHCP off first.	
get pri gateway	Gets the primary network gateway	`get pri gateway`	Primary Gateway: 192.168.1.1	
get sec mac addr	Gets the secondary network MAC address	`get sec mac addr`	Secondary MAC: xx:xx:xx:xx:xx:xx	
set sec ip mode x	Sets the secondary network to static or DHCP. x=0: Static, 1: DHCP	`set sec ip mode 0`	Secondary IP mode: Static (Please use "s net reboot!" command or repower device to apply new config!)	1
get sec ip mode	Gets the secondary network IP mode	`get sec ip mode`	Secondary IP mode: DHCP	
set sec ip addr xxx.xxx.xxx.xxx	Sets the secondary network IP address	`set sec ip addr 192.168.1.100`	Secondary IP address: <new address> (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config static address, set DHCP off first.	
get sec ip addr	Gets the secondary network IP address	`get sec ip addr`	Secondary IP: <current address>	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set sec subnet xxx.xxx.xxx.xxx	Sets the secondary network subnet mask	`set sec subnet 255.255.255.0`	Secondary Subnet Mask: 255.255.255.0 (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config subnet mask, set DHCP off first.	
get sec subnet	Gets the secondary network subnet mask	`get sec subnet`	Secondary Subnet Mask: 255.255.255.0	
set sec gateway xxx.xxx.xxx.xxx	Sets the secondary network gateway	`set sec gateway 192.168.1.1`	Secondary Gateway: 192.168.1.1 (Please use "s net reboot!" command or repower device to apply new config!) In DHCP mode: DHCP on, Device can't config gateway, set DHCP off first.	
get sec gateway	Gets the secondary network gateway	`get sec gateway`	Secondary Gateway: 192.168.1.1	
set tcp/ip port x	Sets the TCP/IP control port. x=1–65535	`set tcp/ip port 8000`	TCP/IP port: 8000	8000
get tcp/ip port	Gets the TCP/IP control port	`get tcp/ip port`	TCP/IP port: 8000	
set telnet port x	Sets the Telnet port. x=1–65535	`set telnet port 23`	Telnet port: 23	23
get telnet port	Gets the Telnet port	`get telnet port`	Telnet port: 23	
set net reboot	Restarts the network modules	`set net reboot`	Network reboot... Search for IP, Please wait ...! It then reports the new primary and secondary configuration in the same layout as `get ipconfig`.	
set net hostname xxxx	Sets the network host name, up to 32 characters	`set net hostname 123`	Hostname: 123	
get net hostname	Gets the network host name	`get net hostname`	Hostname: <current host name>	

STATUS FEEDBACK

The `status` command replies with a full summary like the one below. Your unit shows its own MAC and network addresses where this example has placeholders.

```
`` ========================================================================== Status Info AUD-DTE-4X4XLR Audio Bridge Web V1.00.03 MCU V2.0.0 DEP V1.3.3.5_20250226 Power Standby Mode Auto_Standby On Sleep 10min Input Name Phantom_Power Sensitivity Gain(dB) Mute 01 XLR IN1 Off 0dBV 0 Off 02 XLR IN2 Off 0dBV 0 Off 03 XLR IN3 Off 0dBV 0 Off 04 XLR IN4 Off 0dBV 0 Off Output Name Gain Volume Mute Delay (ms) 01 XLR OUT1 0dBV 50 Off 0 02 XLR OUT2 0dBV 50 Off 0 03 XLR OUT3 0dBV 50 Off 0 04 XLR OUT4 0dBV 50 Off 0 TCP/IP Telnet MAC (PRIMARY) MAC (SECONDARY) 8000 0023 xx:xx:xx:xx:xx:xx xx:xx:xx:xx:xx:xx PRIMARY DHCP IP Gateway SubnetMask On <IP address> <gateway> <subnet mask> (Static: <static IP> <static gateway> <static subnet mask>) SECONDARY DHCP IP Gateway SubnetMask On <IP address> <gateway> <subnet mask> (Static: <static IP> <static gateway> <static subnet mask>) ========================================================================== ``
```

10. Connection Diagram

The connection diagram shows the audio bridge in a typical system with:

- a microphone
- a mixing console
- a PoE network switch
- a laptop
- a Dante® amplifier
- active speakers
- an audio amplifier

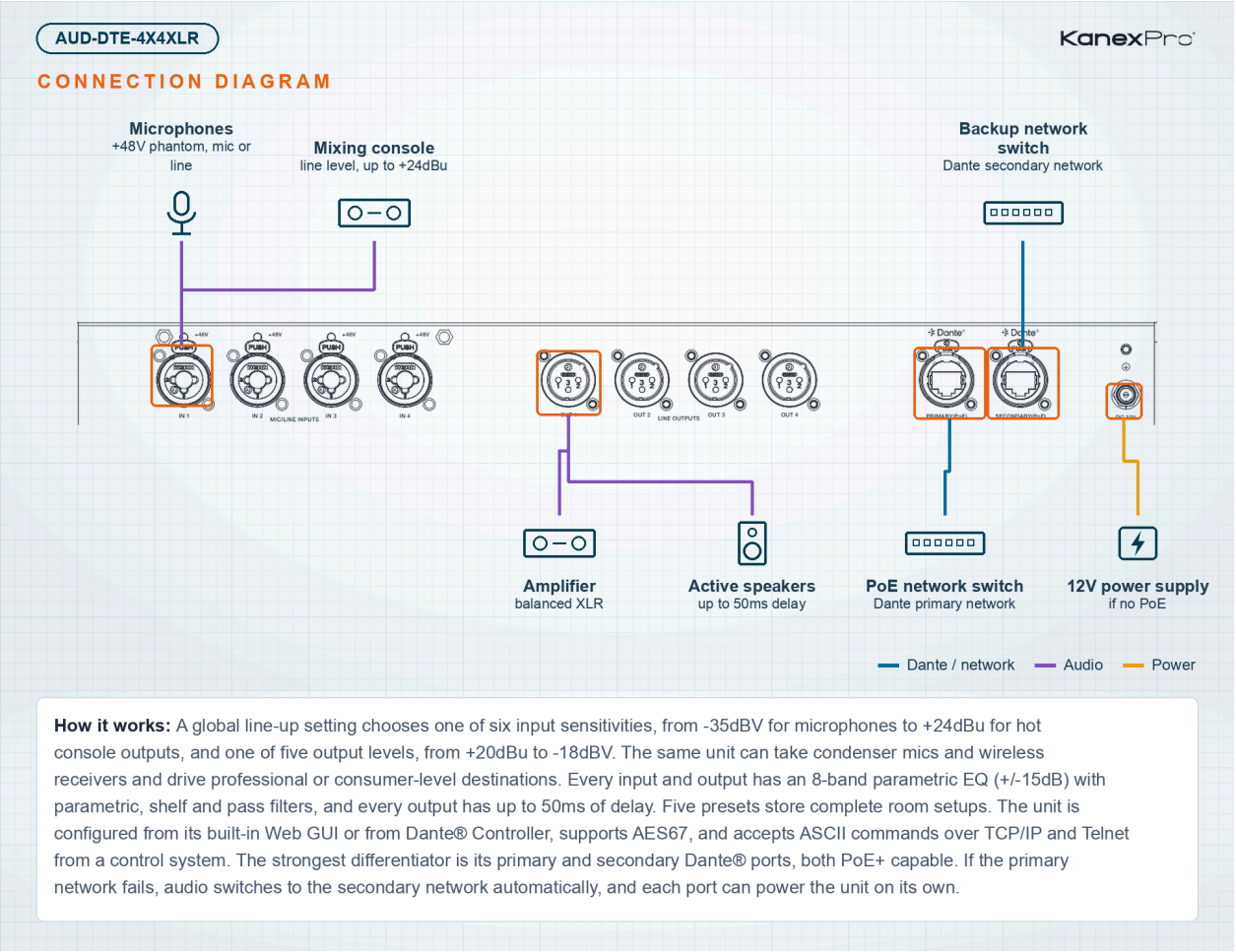
Check the XLR connector pinouts when you connect XLR audio input and output devices. The inputs are female XLR and the outputs are male XLR, wired as follows:

PIN	SIGNAL
1	Ground/Shield
2	Positive/Hot
3	Negative/Cold

11. Trademarks

Dante® is a registered trademark of Audinate Pty Ltd. All other trademarks are the property of their respective owners.

12. Connection Diagram



How it works: A global line-up setting chooses one of six input sensitivities, from -35dBV for microphones to +24dBu for hot console outputs, and one of five output levels, from +20dBu to -18dBV. The same unit can take condenser mics and wireless receivers and drive professional or consumer-level destinations. Every input and output has an 8-band parametric EQ (+/-15dB) with parametric, shelf and pass filters, and every output has up to 50ms of delay. Five presets store complete room setups. The unit is configured from its built-in Web GUI or from Dante® Controller, supports AES67, and accepts ASCII commands over TCP/IP and Telnet from a control system. The strongest differentiator is its primary and secondary Dante® ports, both PoE+ capable. If the primary network fails, audio switches to the secondary network automatically, and each port can power the unit on its own.

13. Troubleshooting

Q: A condenser microphone gives no signal. What should I check?
A: First check that the green 48V indicator above that input on the rear panel is lit. If it is not, turn phantom power on for that input in the Web GUI or with "set input x phantom power on". Then confirm that the input's sensitivity is set to a mic level such as -35dBV and that the input is not muted ("get input x mute").

Q: The POWER LED is red or the STATUS LED is flashing. What does that mean?
A: A red POWER LED means the unit is in standby. Wake it with the power icon in the Web GUI or with "power on". Auto standby defaults to 10 minutes, and "set auto stb 0" turns it off. A STATUS LED that flashes at 2Hz means a system fault: press RESET briefly to reset the system, or hold it for 5 seconds to reset it to KanexPro default settings.

Q: I cannot reach the Web GUI. What should I check?
A: Confirm that the PRIMARY port and your PC are on the same switch and that the PC is set to obtain an IP address automatically. The unit uses DHCP by default, so read its current address in Dante Controller under Device Info rather than guessing. If the settings are unknown, hold RESET for 5 seconds; all front LEDs flash at 2Hz for 5 seconds to confirm the factory reset.

Q: My static IP change did not take effect. Why?
A: A network in DHCP mode refuses a static address, subnet mask or gateway, so set it to static first (for example "set pri ip mode 0"). Address changes made by command apply only after "set net reboot" or a power cycle.

Need help? — For additional support, visit kanexpro.com/support, or scan the QR code below for the product page.

14. Installation FAQ

Q: What does the network switch and cabling need to provide?
A: Connect each Dante port to a gigabit (1000M) Dante network over CAT6, 6A or 7 cable, up to 328 ft (100 m). To power the unit from the network, the switch port must supply PoE+ (IEEE 802.3at, Class 4). Either the PRIMARY or the SECONDARY port can take PoE+.

Q: Which XLR connectors does it use, and how are they wired?
A: The four inputs are female XLR/TRS combo jacks and the four outputs are male XLR, all balanced or unbalanced. On the XLR, pin 1 is ground/shield, pin 2 is positive (hot) and pin 3 is negative (cold).

Q: How do I find the unit on the network the first time?
A: Connect the PRIMARY (PoE) port and your PC to the same switch, and set the PC to obtain an IP address automatically. The unit uses DHCP by default, so open Dante Controller, find the unit on the Routing page and read its IP address on the Device Info tab. Then type that address, or the unit's .local domain name, into a browser to open the Web GUI.

Q: Can I give it static IP addresses?
A: Yes. Set the primary and the secondary network to DHCP or Static separately, either on the Web GUI Network page or with commands such as "set pri ip mode 0" followed by "set pri ip addr 192.168.1.100". Changes made by command take effect after "set net reboot" or a power cycle.

15. Integration FAQ

Q: Does it work with AES67 devices?
A: Yes. It supports Dante and AES67 digital audio in and out, alongside its four analog inputs and four analog outputs.

Q: What does a typical system with it look like?
A: A typical system puts it on a PoE network switch with a laptop running the Web GUI or Dante Controller. Microphones and a mixing console connect to the analog inputs, and active speakers or an audio amplifier connect to the outputs. A Dante amplifier on the same network can receive its channels.

Q: Can I control it from the RelayAV app?
A: Yes. RelayAV, KanexPro's control app, gives you master volume and mute, each output's volume, mute, delay and level, each input's gain, mute, sensitivity and 48 V phantom power, input and output EQ, presets, auto standby and power. Control systems reach the same controls through the RelayAV API and MCP. RelayAV asks before it switches 48 V phantom power on. Dante routing and the primary and secondary Dante ports stay in Dante Controller, and channel and preset names, settings export and import, and firmware updates stay on the unit's own web page.