# 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




**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.

**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

- ✓ Eight balanced analog inputs on XLR/TRS combo connectors that accept XLR or TRS plugs
- ✓ Eight balanced analog outputs on male XLR connectors
- ✓ Dante® 8x8 and AES67 audio input and output
- ✓ Balanced and unbalanced analog audio supported on both inputs and outputs
- ✓ +48V phantom power on every input, switchable per channel, with a rear-panel indicator for each input
- ✓ Adjustable global 0dBFS line-up, with six input sensitivity levels (+24dBu, +14dBu, +4dBu, 0dBV, -18dBV, -35dBV) and five output levels (+20dBu, +14dBu, +4dBu, 0dBV, -18dBV)
- ✓ Built-in audio DSP for sensitivity, gain, 8-band parametric EQ and delay
- ✓ 8-band PEQ on every input and output with +/-15dB of gain per band, and Parametric, Lowpass, Highpass, Low Shelf and High Shelf filter types
- ✓ Up to 50ms of delay per output
- ✓ Stereo-pair EQ linking, plus EQ copy, import and export between channels
- ✓ Five preset scenes that store every setting except network configuration
- ✓ Dante® sampling rates of 44.1kHz, 48kHz, 88.2kHz and 96kHz at 16 or 24 bits
- ✓ Dante® device latency selectable at 2, 3, 4, 5 or 10ms
- ✓ Configuration in the built-in Web GUI (Admin and User accounts) or in Dante® Controller
- ✓ ASCII API control over TCP/IP and Telnet for third-party control systems
- ✓ DHCP or static IP addressing per network, with host-name (.local) access to the Web GUI
- ✓ Standby and sleep modes with adjustable auto-standby
- ✓ Settings export and import, and firmware updates from the Web GUI
- ✓ Up to 328ft (100m) per network run over CAT6/6A/7
- ✓ Standard 1U 19-inch rack-mount metal enclosure with grounding terminal
- ✓ Works with RelayAV, KanexPro's control app: each output's gain, mute, delay and level, each input's gain, mute, sensitivity, delay and 48 V phantom power, DCA groups, input and output EQ, expander, limiter, presets, auto standby and power, from the RelayAV app

## 2. Package Contents

- ✓ 1x 8x8 XLR to Dante®/AES67 Audio Bridge (AUD-DTE-8X8XLR)
- ✓ 1x 12V/2.5A locking power supply
- ✓ 2x Rack-mounting ears
- ✓ 8x Machine screws

## 3. Specifications

| | |
|---|---|
| **ANALOG AUDIO** | |
| **Inputs** | 8x XLR/TRS combo, female; balanced/unbalanced; mic or line level |
| **Outputs** | 8x XLR, male; balanced/unbalanced; line level |
| **Phantom Power** | +48V, switchable per input |
| **Input Sensitivity** | +24dBu, +14dBu, +4dBu, 0dBV, -18dBV, -35dBV (selectable per input) |
| **Input Level** | Balanced line: max +24dBu (12.28Vrms); unbalanced line: max +18dBu (6.14Vrms); balanced mic: min -35dBV (17.78mVrms) |
| **Input Impedance** | 20k Ohm balanced; 10k Ohm unbalanced |
| **Output Level Settings** | +20dBu, +14dBu, +4dBu, 0dBV, -18dBV (selectable per output) |
| **Output Level** | Balanced: max +20dBu (7.75Vrms); unbalanced: max +14dBu (3.875Vrms); min -18dBV |
| **Output Impedance** | 600 Ohm balanced; 300 Ohm unbalanced |
| **Frequency Response** | 20Hz–20kHz (+/-0.5dB) |
| **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 |
| **XLR Pinout** | Pin 1: ground/shield; Pin 2: positive (hot); Pin 3: negative (cold) |
| **DSP** | |
| **Input Gain** | -12dB to +12dB in 0.1dB steps, with mute, per input |
| **Parametric EQ** | 8 bands per input and output; Parametric, Lowpass, Highpass, Low Shelf, High Shelf |
| **EQ Range** | Gain +/-15dB (0.1dB steps); frequency 20Hz–20kHz; Q 0.02–16 (0.01 steps) |
| **Delay** | 0–50ms per output |
| **Preset Scenes** | 5 (store all settings except network configuration) |
| **DANTE® / NETWORK** | |
| **Dante® Channels** | 8 x 8, Dante®/AES67 |
| **Sample Rate / Bit Depth** | 44.1kHz, 48kHz, 88.2kHz, 96kHz; 16/24-bit |
| **Device Latency** | 2, 3, 4, 5 or 10ms (set in Dante® Controller) |
| **Network Bandwidth** | 1000Mbps |
| **Transmission Distance** | 328ft (100m) over CAT6/6A/7 |

continued

| | |
|---|---|
| **IP Addressing** | DHCP (default) or static, per network |
| **CONTROL** | |
| **Configuration** | Built-in Web GUI (Admin and User accounts); Dante® Controller; RelayAV |
| **API Control** | ASCII commands over TCP/IP (default port 8000) and Telnet (default port 23) |
| **Firmware Update** | Via Web GUI |
| **INDICATORS AND BUTTONS** | |
| **Front Panel** | POWER LED, STATUS LED, RESET button |
| **Rear Panel** | 8x +48V phantom power indicators; GND terminal |
| **POWER** | |
| **Power Consumption** | 15.36W max |
| **PHYSICAL** | |
| **Form Factor** | 1U, 19-inch rack mount |
| **Housing** | Metal, black |
| **Dimensions (W x D x H)** | 17.32 x 7.87 x 1.75 in (440 x 200 x 44.5 mm) |
| **Weight** | 4.85 lbs (2.2 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. Before You Begin

Read these instructions carefully before you connect, operate or adjust this product, and keep this manual for future reference.

This product contains sensitive electrical components. Electrical spikes, surges, electric shock and lightning strikes can damage them. A surge protection device is strongly recommended to protect your equipment and extend its life.

## 5. Introduction

This XLR audio bridge is a Dante® device built on the Dante® DEP platform. It has eight analog inputs and eight analog outputs, and it converts in both directions between XLR analog audio and Dante® digital audio.

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

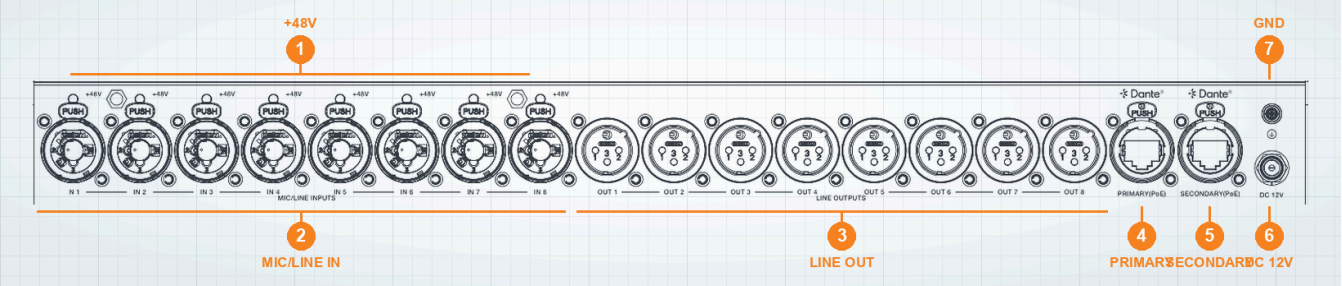
Built-in signal processing covers gain, equalization and delay. You can set the unit up through its built-in Web GUI or with the standard Dante® Controller software.

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

# 6. Panel descriptions




Front Panel




Rear Panel

## FRONT PANEL

| No. | Name | Function description |
|---|---|---|
| 1 | **POWER LED** | Lights green when the unit is powered on, from PoE+ or the DC supply. Lights red when the unit is in standby. It is off when the unit is powered off. |
| 2 | **STATUS LED** | Shows 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. Press and hold for 5 seconds to reset it to KanexPro default settings. All front-panel LEDs then flash at 2Hz for 5 seconds. |

## REAR PANEL

| No. | Name | Function description |
|---|---|---|
| 1 | **48V phantom power indicator lights** | Eight green indicator lights, one for each input. A light is on when its MIC/LINE IN port (1 to 8) is used as a mic input and 48V phantom power is turned on for that input. |
| 2 | **MIC/LINE INPUTS ports** | Eight analog inputs for balanced or unbalanced audio. As line inputs they accept up to 24dBu. As mic inputs they accept signals down to -35dBV. These ports provide 48V phantom power: when you turn it on in the Web GUI or with an API command, the port powers the microphone connected to it. |

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| No. | Name | Function description |
|---|---|---|
| 3 | LINE OUTPUTS ports | Eight analog line outputs for balanced or unbalanced audio, with a maximum output level of 20dBu. |
| 4 | PRIMARY(PoE)/SECONDARY(PoE) port | The Dante® primary and secondary network ports, both able to take PoE+. Each port carries Dante® audio in and out, and Web GUI and TCP/IP control. The two networks act as hot backups: if the primary network has a problem, the unit automatically switches to the secondary network. |
| 5 | DC 12V | 12V/2.5A DC power input. |
| 6 | GND | Grounding point. Use it to connect the unit's housing to ground. |

# 7. Dante® Web GUI Operation Guide

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

## SIGNING IN

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

There are two accounts. Admin has access to every page. User reaches only 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, DEP SDK version, IP host name, and the network settings of the primary and secondary networks.

## PRESET PAGE

You can store up to five preset scenes. Give a preset a name of up to 32 characters, then click **Save** to store the current scene. Click **Recall** to load a saved scene, or **Clear** to erase it.

## 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. **Current user.** Shows whether you are signed in as User or Admin. 3. **Power.** Click the power icon to power the audio bridge on or put it in standby. 4. **Log out.** Click the logout icon to sign out and return to the login page.

## INPUT PAGE

1. **XLR IN 1 to 8.** Set the volume of each input, or mute and unmute it. You can rename each input channel (up to 32 characters). 2. **Sensitivity.** Choose each input's 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. When it is on, that XLR IN port on the rear panel powers the microphone connected to it.

## OUTPUT PAGE

1. **Master Out.** Set the Master Out volume, or mute and unmute it. Master Out controls the outputs whose XLR OUT switch is turned on. You can also turn each XLR OUT 1 to 8 switch on or off, and set that output's volume or mute it on its own. 2. **XLR OUT 1 to 8.** Choose each output's gain from the drop-down list: +20dBu, +14dBu, +4dBu, 0dBV or -18dBV. You can also set each output's 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 equalize, any of XLR IN 1 to 8 or XLR OUT 1 to 8, from the drop-down list. 2. **Stereo.** Turn stereo mode on or off. In stereo mode a channel pair shares the same EQ settings. 3. **Equalizer. Flat** sets every band to 0dB. **Custom1** and **Custom2** select your two custom EQ curves. 4. **Band buttons 1 to 8.** Select one of the eight PEQ bands; a blue box marks the selected band. Then set the band:

- **Filter Type:** Parametric, Lowpass, Highpass, Low Shelf or High Shelf.
- **Gain [dB]:** drag the slider to set the gain.
- **Frequency [Hz]:** drag the slider to set the frequency.
- **Q:** drag the slider to set the Q value.

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

## NETWORK PAGE

Choose DHCP or Static as the IP mode for each of the primary and secondary networks. With Static, enter the IP address, subnet mask and gateway yourself, then click **Save**. With DHCP, the unit takes the address your router assigns and fills it in automatically.

You can also set the primary network's TCP port, Telnet port and domain name. The domain name is the IP host name shown on the Information page. You can type it into your browser (in the form *hostname*.local) instead of the IP address to reach the Web GUI. Each unit has its own default domain name, and you can change it to anything up to 32 characters. Click **Save** to apply your changes, or **Cancel** to discard them.

## SYSTEM PAGE

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 to set how long the unit waits before going into standby on its own. Set it to 0 to turn auto standby off. 4. **Reboot.** Restarts the audio bridge. 5. **Restore Factory Settings.** Returns the audio bridge to its KanexPro default settings. 7. **Export Settings.** Saves the unit's configuration to a file. 8. **Import Settings.** Loads a configuration file into the unit.

**Account Passwords.** Change the login passwords of the User and Admin accounts here, then click **Save**.

**Firmware Update.** Click **Choose File** and 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 enter its password, then click LOGIN to open the User page. From it you can:

1. **Preset.** Recall saved preset scenes. 2. **Master Out.** Set the Master Out volume, or mute and unmute it. Master Out controls the outputs whose XLR OUT switch is turned on. You can also turn each XLR OUT 1 to 8 switch on or off, and set that output's volume or mute it on its own.

## 8. Control with RelayAV

RelayAV is KanexPro's control app. Once the AUD-DTE-8X8XLR 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.

- **Outputs:** Gain (dB); Mute; Delay (ms); Output level
- **Inputs:** Gain (dB); Mute; Sensitivity; Delay (ms); 48 V phantom
- **DCA groups:** Volume; Mute; Inputs in a DCA group; Outputs in a DCA group
- **EQ:** EQ on; Set an EQ band; Turn an EQ band on or off; Clear the EQ; Copy an EQ
- **Input EQ:** EQ on; Set an EQ band; Turn an EQ band on or off; Clear the EQ; Copy an EQ
- **Expander:** Expander on; Set an expander; Clear the expander
- **Limiter:** Limiter on; Set a limiter; Clear the limiter
- **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.
- It has no master volume: each output has its own gain, and DCA groups move several at once.
- 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. Connect the Dante® PRIMARY(PoE) or SECONDARY(PoE) port and your PC to the same switch, so that every device is on the same LAN. Then open a command tool on the PC and send commands to the unit's TCP/IP port (8000 by default) or Telnet port (23 by default).

In the tables below, x picks the channel. Use 0 for all inputs (or all outputs), or 1 to 8 for XLR IN1 to IN8 (or XLR OUT1 to OUT8), unless the row gives a different range.

### SYSTEM SETTING

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| `help` | List all commands | `help` | Lists all API commands | |
| `?` | List all commands | `?` | Lists all API commands | |
| `get type` | Get the device model | `get type` | AUD-DTE-8X8XLR | |
| `get status` | Get the device's current status | `get status` | See "Status report" below | |
| `get fw version` | Get the firmware version | `get fw version` | Web: V1.00.02<br>MCU: V2.0.0<br>DEP: V1.3.3.5_20250819 | |
| `set power on` | Power the device on | `set power on` | Power on<br>System Initializing...<br>Initialization Finished!<br>Web: V1.00.02<br>MCU: V2.0.0<br>DEP: V1.3.3.5_20250819 | |
| `set power off` | Power the device off | `set power off` | Power: off | |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| get power | Get the current power state | get power | Power: off | |
| set standby x | Set the standby mode. x = 1 for Standby, 2 for Sleep | set standby 1 | Standby mode: standby | 1 |
| get standby | Get the standby mode | get standby | Standby mode: standby | |
| set reboot | Reboot the device | set reboot | Reboot…<br>System Initializing...<br>Initialization Finished!<br>Web: V1.00.03<br>MCU: V2.0.0<br>DEP: V1.3.3.5_20250226 | |
| set reset | Reset system settings to default. Type "Yes" to confirm or "No" to cancel | set reset | Sure to Reset System Settings To Default? Type "Yes" after next prompt to confirm… | |
| set reset all | Reset system and network settings to default. Type "Yes" to confirm or "No" to cancel | set reset all | Sure to Reset System and Network Settings To Default? Type "Yes" after next prompt to confirm… | |
| set auto stb x | Set the auto standby time. x = 0 turns auto standby off; x = 1–100 sets the time in minutes | set auto stb 10 | Auto standby time: 10mins | 10 |
| get auto stb | Get the auto standby time | get auto stb | Auto standby time: 10mins | |

## INPUT SETTING

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set input x gain y | Set input x's gain to y. y = -12 to 12dB, in 0.1dB steps | set input 1 gain 10 | XLR IN1 gain: 10dB | 0 |
| get input x gain | Get input x's gain | get input 1 gain | XLR IN1 gain: 10dB | |
| set input x sensitivity y | Set input x's sensitivity. y = 1 (+24dBu), 2 (+14dBu), 3 (+4dBu), 4 (0dBV), 5 (-18dBV), 6 (-35dBV) | set input 3 sensitivity 1 | XLR IN3 sensitivity: +24dBu | Not stated clearly in the manual |
| get input x sensitivity | Get input x's sensitivity | get input 3 sensitivity | XLR IN3 sensitivity: +24dBu | |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set input x phantom power on/off | Turn input x's 48V phantom power on or off | set input 3 phantom power on | XLR IN3 phantom power: on | Off |
| get input x phantom power | Get input x's 48V phantom power status | get input 3 phantom power | XLR IN3 phantom power: on | |
| set input x gain+ <br>set input x gain+y | Raise input x's gain by y. y = 0.1–24 steps; leave y out for one step (1dB) | set input 1 gain+ <br>set input 1 gain+5 | XLR IN1 gain: 1dB<br>XLR IN1 gain: 5dB | |
| set input x gain- <br>set input x gain-y | Lower input x's gain by y. y = 0.1–24 steps; leave y out for one step (1dB) | set input 1 gain- <br>set input 1 gain-5 | XLR IN1 gain: -1dB<br>XLR IN1 gain: -5dB | |
| set input x mute on/off | Mute or unmute input x | set input 1 mute on | XLR IN1 mute: on | Off |
| get input x mute | Get input x's mute status | get input 1 mute | XLR IN1 mute: on | |

## OUTPUT SETTING

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set master member <abcdefgh> | Choose which outputs Master Out controls. Each of a to h is 1 to include or 0 to exclude XLR OUT1 to OUT8, in order (a = OUT1, h = OUT8) | set master member <11111111> | Set master member: 11111111 | 11111111 |
| get master member | Get the Master Out members | get master member | 11111111 | |
| set master vol x<br>set vol x | Set the Master Out volume. x = 0–100 | set master vol 50<br>set vol 50 | Master volume: 50 | 50 |
| get master vol<br>get vol | Get the Master Out volume | get master vol<br>get vol | Master volume: 50 | |
| set master vol+ <br>set vol+<br>set master vol+y<br>set vol+y | Raise the Master Out volume by y. y = 1–100 steps; leave y out for one step (1dB) | set master vol+ <br>set vol+<br>set master vol+5<br>set vol+5 | Master volume: 51<br>Master volume: 51<br>Master volume: 55<br>Master volume: 55 | |
| set master vol- <br>set vol-<br>set master vol-y<br>set vol-y | Lower the Master Out volume by y. y = 1–100 steps; leave y out for one step (1dB) | set master vol- <br>set vol-<br>set master vol-5<br>set vol-5 | Master volume: 49<br>Master volume: 49<br>Master volume: 45<br>Master volume: 45 | |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set master mute on/off<br>set mute on/off | Mute or unmute Master Out | set master mute on<br>set mute on | Master mute: on | Off |
| get master mute<br>get mute | Get the Master Out mute status | get master mute<br>get mute | Master mute: on | |
| set output x gain y | Set output x's gain. y = 1 (+20dBu), 2 (+14dBu), 3 (+4dBu), 4 (0dBV), 5 (-18dBV) | set output 3 gain 1 | XLR OUT3 sensitivity: +20dBu | |
| get output x gain | Get output x's gain | get output 3 gain | XLR OUT3 sensitivity: +20dBu | |
| set output x vol y | Set output x's volume. y = 0–100 | set output 5 vol 50 | XLR OUT5 volume: 50 | 50 |
| get output x vol | Get output x's volume | get output 5 vol | XLR OUT5 volume: 50 | |
| set output x vol+<br>set output x vol+y | Raise output x's volume by y. y = 1–100 steps; leave y out for one step | set output 5 vol+<br>set output 5 vol+5 | XLR OUT5 volume: 51<br>XLR OUT5 volume: 55 | |
| set output x vol-<br>set output x vol-y | Lower output x's volume by y. y = 1–100 steps; leave y out for one step | set output 5 vol-<br>set output 5 vol-5 | XLR OUT5 volume: 49<br>XLR OUT5 volume: 45 | |
| set output x mute on/off | Mute or unmute output x | set output 5 mute on | XLR OUT5 mute: on | Off |
| get output x mute | Get output x's mute status | get output 5 mute | XLR OUT5 mute: on | |
| set output x delay y | Set output x's delay. y = 0–50 milliseconds | set output 5 delay 50 | XLR OUT5 delay: 50ms | 0 |
| get output x delay | Get output x's delay | get output 5 delay | XLR OUT5 delay: 50ms | |

## DSP SETTING

In these commands, the EQ index y = 1–8 selects one PEQ band, and y = 0 selects all bands. The stereo commands work on channel pairs: x = 0 for all, 1 for channels 1/2, 2 for 3/4, 3 for 5/6, and 4 for 7/8.

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set input x eq preset y | Set input x's PEQ preset. y = 1 (Flat), 2 (Custom1), 3 (Custom2) | set input 1 eq preset 2 | XLR IN1 PEQ: Custom1 | |
| get input x eq preset | Get input x's PEQ preset | get input 1 eq preset | XLR IN1 PEQ: Custom1 | |
| set input x eq y on/off | Turn EQ band y of input x on or off | set input 1 eq 0 on | XLR IN1 EQ all: on | Off |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| **get input x eq** | Get the on/off status of input x's EQ bands | `get input 1 eq` | XLR IN1 EQ 1: off<br>… one line per band, through …<br>XLR IN1 EQ 8: off | |
| **set input x eq stereo on/off** | Turn EQ stereo mode (shared EQ settings) on or off for an input pair | `set input 1 eq stereo on` | XLR IN1/2 EQ stereo mode: on | Off |
| **get input x eq stereo** | Get the EQ stereo mode status of an input pair | `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** | Set EQ band y of input x. t = filter type: 1 Parametric, 2 Lowpass, 3 Highpass, 4 Low Shelf, 5 High Shelf. z = 20–20000Hz (1Hz steps). aa = gain, -15 to 15dB (0.1dB steps). bb = Q, 0.02–16 (0.01 steps) | `set input 1 eq 1 typ 1 frq 200 val -18 q 0.02` | XLR IN1 EQ:<br>Type: 2,<br>Frequency: 1000Hz,<br>Value: 12dB,<br>Q: 1.4 | |
| **get input x eq setting** | Get the settings of input x's EQ bands | `get input 1 eq setting` | Dante XLR IN1 EQ<br>1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on<br>… one line per band, through …<br>8: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on | |
| **set input x eq clear** | Clear input x's EQ settings | `set input 1 eq clear` | Clear XLR IN1 EQ | |
| **set output x eq preset y** | Set output x's PEQ preset. y = 1 (Flat), 2 (Custom1), 3 (Custom2) | `set output 1 eq preset 2` | XLR OUT1 PEQ: Custom1 | |
| **get output x eq preset** | Get output x's PEQ preset | `get output 1 eq preset` | XLR OUT1 PEQ: Custom1 | |
| **set output x eq y on/off** | Turn EQ band y of output x on or off | `set output 1 eq 0 on` | XLR OUT1 EQ 1: on<br>… one line per band, through …<br>XLR OUT1 EQ 8: on | Off |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| get output x eq | Get the on/off status of output x's EQ bands | get output 1 eq | XLR OUT1 EQ 1: off<br>… one line per band, through … <br>XLR OUT1 EQ 8: off | |
| set output x eq y typ t frq z val aa q bb | Set EQ band y of output x. t = filter type: 1 Parametric, 2 Lowpass, 3 Highpass, 4 Low Shelf, 5 High Shelf. z = 20–20000Hz (0.1Hz steps). aa = gain, -15 to 15dB (0.1dB steps). bb = Q, 0.02–16 (0.01 steps) | set output 1 eq 1 typ 1 frq 200 val -18 q 0.02 | XLR OUT1 EQ<br>Type: 2, <br>Frequency: 1000Hz,<br>Value: 12dB,<br>Q: 1.4 | |
| get output x eq setting | Get the settings of output x's EQ bands | get output 1 eq | Dante XLR OUT1 EQ<br>1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on<br>… one line per band, through …<br>8: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on | |
| set output x eq clear | Clear output x's EQ settings | set output 1 eq clear | Clear XLR OUT1 EQ | |
| set output x eq stereo on/off | Turn EQ stereo mode (shared EQ settings) on or off for an output pair | set output 1 eq stereo on | XLR OUT1/2 EQ stereo mode: on | Off |
| get output x eq stereo | Get the EQ stereo mode status of an output pair | get output 1 eq stereo | XLR OUT1/2 EQ stereo mode: on | |
| set input/output x eq copy to input/output y | Copy the EQ of input or output x (1–8) to input or output y (0 for all, or 1–8) | set input 1 eq copy to output 2 | Set XLR IN1 EQ copy to XLR OUT2 | |

## PRESET SETTING

A preset stores all of the unit's settings except its network settings. x = 1–5 picks the preset.

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| set preset save x | Save the current settings to preset x | set preset save 1 | Save to preset 1 | |
| set preset recall x | Load preset x | set preset recall 1 | Recall preset 1 | |
| set preset clear x | Clear preset x | set preset clear 1 | Clear preset 1 | |

## NETWORK SETTING

After you change an IP mode, address, subnet mask or gateway, send `set net reboot` or power-cycle the unit to apply the new settings. The unit does not accept a static address, subnet mask or gateway while DHCP is on. If you try, it replies "DHCP on, Device can't config static address, set DHCP off first." (or the same message for the subnet mask or gateway). Turn DHCP off first.

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| **set pri ip mode x** | Set the primary network's IP mode. x = 0 for Static, 1 for DHCP | `set pri ip mode 0` | Primary IP mode: Static<br>(Please use "s net reboot!" command or repower device to apply new config!) | 1 |
| **get pri ip mode** | Get the primary network's IP mode | `get pri ip mode` | Primary IP mode: DHCP | |
| **set pri ip addr xxx.xxx.xxx.xxx** | Set the primary network's IP address | `set pri ip addr 192.168.1.100` | Primary IP address: 192.168.0.100<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get pri ip addr** | Get the primary network's IP address | `get pri ip addr` | Primary IP: 192.168.0.100 | |
| **set pri subnet xxx.xxx.xxx.xxx** | Set the primary network's subnet mask | `set pri subnet 255.255.255.0` | Primary Subnet Mask: 255.255.255.0<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get pri subnet** | Get the primary network's subnet mask | `get pri subnet` | Primary Subnet Mask: 255.255.255.0 | |
| **set pri gateway xxx.xxx.xxx.xxx** | Set the primary network's gateway | `set pri gateway 192.168.1.1` | Primary Gateway: 192.168.1.1<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get pri gateway** | Get the primary network's gateway | `get pri gateway` | Primary Gateway: 192.168.1.1 | |
| **get pri mac addr** | Get the primary network's MAC address | `get pri mac addr` | Primary MAC: xx:xx:xx:xx:xx:xx | |
| **set sec ip mode x** | Set the secondary network's IP mode. x = 0 for Static, 1 for DHCP | `set sec ip mode 0` | Secondary IP mode: Static<br>(Please use "s net reboot!" command or repower device to apply new config!) | 1 |
| **get sec ip mode** | Get the secondary network's IP mode | `get sec ip mode` | Secondary IP mode: DHCP | |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| **set sec ip addr xxx.xxx.xxx.xxx** | Set the secondary network's IP address | `set sec ip addr 192.168.1.100` | Secondary IP address: 192.168.0.100<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get sec ip addr** | Get the secondary network's IP address | `get sec ip addr` | Secondary IP: 192.168.0.100 | |
| **set sec subnet xxx.xxx.xxx.xxx** | Set the secondary network's subnet mask | `set sec subnet 255.255.255.0` | Secondary Subnet Mask: 255.255.255.0<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get sec subnet** | Get the secondary network's subnet mask | `get sec subnet` | Secondary Subnet Mask: 255.255.255.0 | |
| **set sec gateway xxx.xxx.xxx.xxx** | Set the secondary network's gateway | `set sec gateway 192.168.1.1` | Secondary Gateway: 192.168.1.1<br>(Please use "s net reboot!" command or repower device to apply new config!) | |
| **get sec gateway** | Get the secondary network's gateway | `get sec gateway` | Secondary Gateway: 192.168.1.1 | |
| **get sec mac addr** | Get the secondary network's MAC address | `get sec mac addr` | Secondary MAC: xx:xx:xx:xx:xx:xx | |
| **get ipconfig** | Get the current IP configuration | `get ipconfig` | TCP/IP port: 8000<br>Telnet port: 23<br>Primary:<br>IP mode, IP, subnet mask, gateway, MAC, and the stored static address, mask and gateway<br>Secondary:<br>the same fields | |
| **set tcp/ip port x** | Set the TCP/IP port. x = 1–65535 | `set tcp/ip port 8000` | TCP/IP port: 8000 | 8000 |
| **get tcp/ip port** | Get the TCP/IP port | `get tcp/ip port` | TCP/IP port: 8000 | |
| **set telnet port x** | Set the Telnet port. x = 1–65535 | `set telnet port 23` | Telnet port: 23 | 23 |
| **get telnet port** | Get the Telnet port | `get telnet port` | Telnet port: 23 | |

continued

| COMMAND | FUNCTION | EXAMPLE | FEEDBACK | DEFAULT |
|---|---|---|---|---|
| **set net reboot** | Restart the network modules | `set net reboot` | Network reboot... <br>Search for IP, <br>Please wait ...! <br>then the primary and secondary IP configuration, in the same layout as `get ipconfig` | |
| **set net hostname xxxx** | Set the network host name (up to 32 characters) | `set net hostname 123` | Hostname: 123 | |
| **get net hostname** | Get the network host name | `get net hostname` | Hostname: (the unit's current host name) | |

### STATUS REPORT

`get status` returns a report in this layout. The values shown are the unit's settings at the time of the example.

```
`` ================================================================================ Status Info AUD-DTE-8X8XLR 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 05 XLR IN5 Off 0dBV 0 Off 06 XLR IN6 Off 0dBV 0 Off 07 XLR IN7 Off 0dBV 0 Off 08 XLR IN8 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 05 XLR OUT5 0dBV 50 Off 0 06 XLR OUT6 0dBV 50 Off 0 07 XLR OUT7 0dBV 50 Off 0 08 XLR OUT8 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 (current) (current) (current) (Static: stored static IP, gateway, subnet mask) SECONDARY DHCP IP Gateway SubnetMask On (current) (current) (current) (Static: stored static IP, gateway, subnet mask) ================================================================================ ``
```

## 10. Connection Diagram

The connection diagram shows the audio bridge connected to a PoE network switch. On the analog side it connects to a microphone, a mixing console, an audio amplifier and active speakers. On the Dante® side, a Dante® amplifier and a laptop sit on the same network.

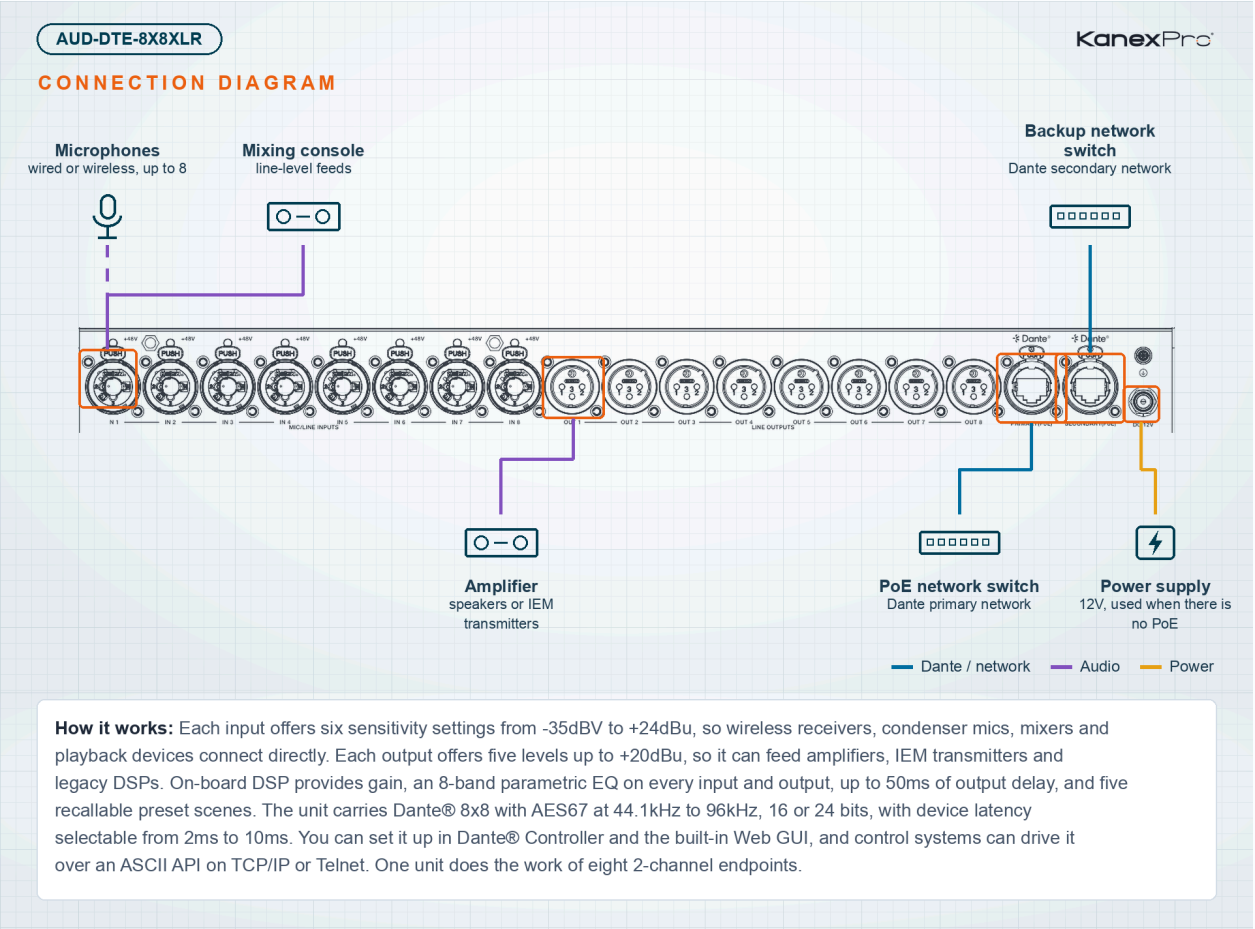
Check the XLR connector pinouts when you connect XLR input and output devices. Female and male XLR connectors use the same pin assignments:

| 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:** 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.

## 13. Troubleshooting

**Q: The POWER LED does not light. What should I check?**
**A:** If you power it over the network, confirm the switch port provides PoE+ (IEEE 802.3at, Class 4) and that the cable goes into one of the Dante ports. Otherwise, use the included 12V/2.5A supply and make sure its 2-pin plug is locked into the DC 12V IN jack.

**Q: A condenser microphone gives no signal. What should I check?**
**A:** First check the rear-panel phantom indicator for that input, and switch +48V on for that input if it is off. Then confirm that input's sensitivity is set to a mic level such as -35dBV and that its input mute is off.

**Q: An input sounds distorted or too quiet. What should I check?**
**A:** Match the input sensitivity to the source: +24dBu for hot balanced line levels, down to -35dBV for microphones. Then fine-tune with the -12dB to +12dB input gain, and check the 8-band EQ for extreme boosts or cuts.

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

## 14. Installation FAQ

**Q: How are the XLR connectors wired?**
**A:** Both the female input and male output XLR connectors use the same pinout: pin 1 is ground/shield, pin 2 is positive (hot) and pin 3 is negative (cold). The inputs are XLR/TRS combo jacks, so they also take TRS plugs.

**Q: How does it get an IP address?**
**A:** Each network port uses DHCP by default, and you can change it to a static address. The Web GUI and TCP/IP control are reached through the DANTE PRIMARY port.

**Q: How do I enable phantom power for condenser microphones?**
**A:** +48V phantom power is switched on or off for each input separately. A rear-panel indicator for each of the 8 inputs shows which ones are supplying phantom power.

**Q: What environment does it need in the rack?**
**A:** It operates from 32F to 104F (0C to 40C) at 20% to 80% relative humidity, non-condensing. It is a 1U 19-inch unit measuring 17.32 x 7.87 x 1.75 in, weighs 4.85 lbs and draws 15.36W max.

## 15. Integration FAQ

**Q: Can a control system drive it directly?**
**A:** Yes. It accepts ASCII commands over TCP/IP on port 8000 by default, and over Telnet on port 23 by default, through the DANTE PRIMARY port.

**Q: What do I use to configure it, and what does each tool handle?**
**A:** The built-in Web GUI, with Admin and User accounts, sets up the analog side, DSP, presets and network settings, and is also how firmware is updated. Dante Controller manages the unit on the Dante network, including its device latency of 2, 3, 4, 5 or 10ms.

**Q: What kind of system does it typically sit in?**
**A:** It connects to a PoE network switch, bridging analog gear such as microphones, a mixing console, an audio amplifier and active speakers onto the Dante network. Dante amplifiers and a laptop on the same network then share its 8 channels in each direction.

**Q: Will it share a network with AES67 equipment?**
**A:** Yes. Its 8 network inputs and 8 network outputs carry Dante or AES67 audio at 44.1kHz, 48kHz, 88.2kHz or 96kHz, in 16 or 24 bits.

**Q: Can I control it from the RelayAV app?**
**A:** Yes. RelayAV, KanexPro's control app, gives you each output's gain, mute, delay and level, each input's gain, mute, sensitivity, delay and 48 V phantom power, DCA groups, input and output EQ, expander, limiter, 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.