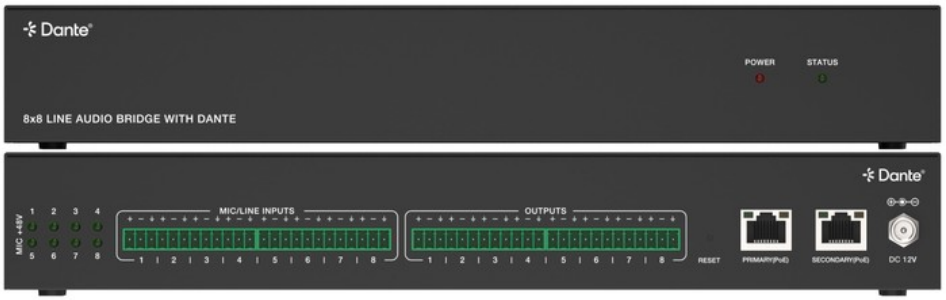
Dante 8x8 Analog Audio Bridge with DSP, Phoenix I/O, PoE+

Replace a Bank of 2-Channel Dante® Adapters with One Unit - 8 Mic/Line In, 8 Line Out, One Switch Port



Puts eight analog mics or line sources onto a Dante® network and brings eight Dante® channels back out to analog amplifiers and speakers, all from one rack-mount unit on one switch port. The AUD-DTE-8X8LINE is a 19-inch rack-mount bridge in a black metal enclosure. It has eight balanced or unbalanced mic/line inputs, each with switchable +48V phantom power, and eight balanced or unbalanced line outputs. All I/O terminates on 12-pin 3.5mm Phoenix connectors.

The primary and secondary Dante® ports run as hot backups, so audio moves to the secondary network automatically if the primary fails. Onboard DSP gives every input and output its own gain and 8-band parametric EQ (+/-15 dB) and every output up to 50 ms of delay. A selectable 0 dBFS line-up from -35 dBV to +24 dBu matches mic-level, consumer-level and pro-level gear. Setup runs from the built-in Web GUI, which stores five preset scenes, and control systems can use TCP/IP and Telnet commands. The strongest advantage is consolidation: one managed Dante® device with one PoE+ load replaces a bank of 2-channel endpoints, so there are fewer devices to mount, power, label and patch.

> **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

- ✓ 8x mic/line balanced or unbalanced audio inputs
- ✓ 8x balanced or unbalanced audio outputs
- ✓ Dante® 8x8 and AES67 audio input and output
- ✓ +48V phantom power on each input, with a phantom power indicator for each input on the rear panel
- ✓ Adjustable 0 dBFS line-up selection: -35 dBV, -18 dBV, 0 dBV, +4 dBu, +14 dBu or +24 dBu
- ✓ Five selectable output levels: +20 dBu, +14 dBu, +4 dBu, 0 dBV or -18 dBV
- ✓ Built-in audio DSP for sensitivity, gain, 8-band PEQ and delay
- ✓ 8-band PEQ on every audio input and output (+/-15 dB gain) with Parametric, Lowpass, Highpass, Low Shelf and High Shelf filter types, plus up to 50 ms of output delay
- ✓ Dante® audio at 44.1 kHz, 48 kHz, 88.2 kHz and 96 kHz sampling rates, 16 or 24 bit
- ✓ Configuration from the internal Web GUI or from Dante® Controller
- ✓ TCP/IP and Telnet ASCII command control for third-party control systems
- ✓ 12-pin 3.5mm Phoenix connectors on all analog inputs and outputs
- ✓ Standard 19-inch rack-mount form factor, with mounting ears included
- ✓ 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 Line Audio Bridge with Dante® and PoE+
- ✓ 1x 12V/2.5A locking power supply with optional multinational conversion plug
- ✓ 2x Mounting ear
- ✓ 10x Machine screw
- ✓ 4x 12-pin 3.5mm Phoenix connector (male)

3. Specifications

AUDIO	
Analog Inputs	8x mic/line, balanced or unbalanced
Analog Outputs	8x line, balanced or unbalanced
Dante® Channels	8 in / 8 out
Dante® Audio Format	Dante®/AES67 digital audio in/out, PCM, 44.1 kHz to 96 kHz, 16/24-bit
Line Input Level	Max +24 dBu (12.28 Vrms), balanced Max +18 dBu (6.14 Vrms), unbalanced
Mic Input Level	Min -35 dBV (17.78 mVrms), balanced
Input Sensitivity	+24 dBu, +14 dBu, +4 dBu, 0 dBV, -18 dBV, -35 dBV (selectable per input)

continued

Input Impedance	20 k Ohm balanced 10 k Ohm unbalanced
Phantom Power	+48V, switchable per input
Line Output Level	Max +20 dBu (7.75 Vrms), balanced Max +14 dBu (3.875 Vrms), unbalanced Min -18 dBV
Output Level Selection	+20 dBu, +14 dBu, +4 dBu, 0 dBV, -18 dBV (selectable per output)
Output Impedance	600 Ohm balanced 300 Ohm unbalanced
PERFORMANCE	
THD+N	< 0.01% at +4 dBu, 1 kHz
S/N Ratio	at least 105 dB at +4 dBu, 1 kHz, A-weighted
Dynamic Range	at least 105 dB at +4 dBu, 1 kHz, A-weighted
Frequency Response	20 Hz to 20 kHz (+/-0.5 dB)
DSP	
Input Gain	-12 dB to +12 dB, 0.1 dB steps
Parametric EQ	8 bands on every input and output; gain -15 dB to +15 dB; frequency 20 Hz to 20 kHz; Q 0.02 to 16
Filter Types	Parametric, Lowpass, Highpass, Low Shelf, High Shelf
Output Delay	0 ms to 50 ms per output
Presets	5 preset scenes
NETWORK AND CONTROL	
Transmission Distance	328 ft (100 m) over CAT6/6A/7
IP Mode	DHCP (default) or Static, set separately for primary and secondary networks
Control	Web GUI, Dante® Controller, TCP/IP (port 8000, default), Telnet (port 23, default); RelayAV
ESD Protection	IEC 61000-4-2: +/-8 kV (air-gap discharge), +/-4 kV (contact discharge)
CONNECTORS	
Mic/Line Inputs	12-pin 3.5mm Phoenix connectors, 8 channels
Line Outputs	12-pin 3.5mm Phoenix connectors, 8 channels
Dante® Primary	1x locking RJ45, PoE+ PD (IEEE 802.3at, Class 4); Dante®/AES67 audio, Web GUI, TCP/IP and RelayAV control
Dante® Secondary	1x locking RJ45, PoE+ PD (IEEE 802.3at, Class 4); Dante®/AES67 audio, Web GUI, TCP/IP and RelayAV control
DC Power	1x 2-pin 12V DC locking power jack, max 2.5A
INDICATORS AND CONTROLS	
Front Panel	POWER LED, STATUS LED, RESET button
Rear Panel	8x +48V phantom power indicators
POWER	

continued

Power Supply	12V/2.5A locking DC power supply, or PoE+ PD (IEEE 802.3at, Class 4)
Power Consumption	13.68W (max)
PHYSICAL	
Housing	Metal enclosure
Color	Black
Mounting	19-inch rack-mount (mounting ears included)
Dimensions (W x D x H)	11.81 x 7.09 x 1.73 in (300 x 180 x 44 mm)
Weight	3.25 lbs (1.475 kg)
Shipping Dimensions	14.45 x 9.37 x 3.74 in (367 x 238 x 95 mm)
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

4. Introduction

The AUD-DTE-8X8LINE is an 8x8 line audio bridge built on the Dante® Embedded Platform. It takes eight balanced or unbalanced mic/line inputs onto a Dante® network, and brings eight Dante® channels back off the network to eight balanced or unbalanced analog outputs. Each analog input can supply 48V phantom power and has six sensitivity levels. Each analog output has five output levels.

The bridge has its own audio processing for gain, equalization and delay. You can set it up from its built-in Web GUI or from the standard Dante® Controller software. It supports Dante® primary and secondary networks, so the secondary network can take over if the primary one fails. You can power it from either PoE+ port (Power over Ethernet) or from a local 12V DC supply.

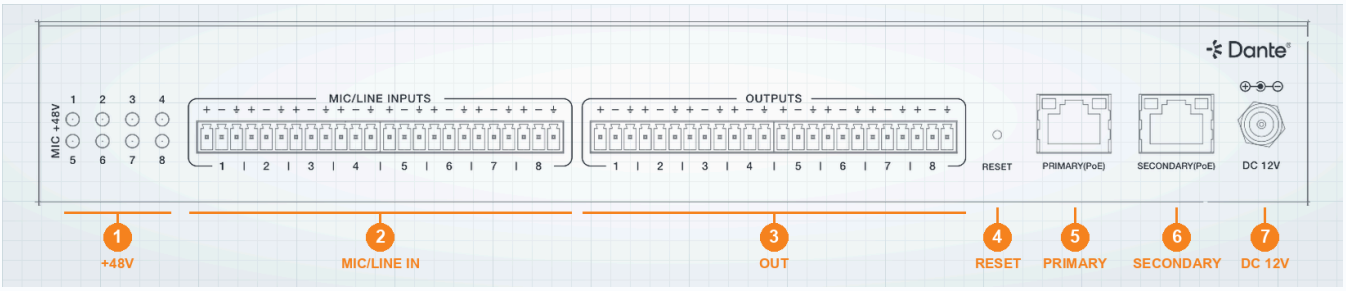
The unit mounts in a rack and works with a wide range of professional audio equipment. It also cuts down the wiring in a professional AV system.

Surge protection device recommended. This product contains sensitive electrical components that electrical spikes, surges, electric shock and lightning strikes can damage. Use a surge protection system to protect your equipment and extend its life.

5. Panel descriptions



Front Panel



Rear Panel

FRONT PANEL

No.	Name	Function Description
1	**POWER LED**	Green: the unit is powered on, from PoE+ or the DC supply. Red: the unit is in standby. Off: the unit is powered off.
2	**STATUS LED**	System status indicator. Green: the system is working normally. Flashing at 2Hz: the system has a fault.
?	**RESET button**	Press briefly to restart the system. Press and hold for 5 seconds to reset it to KanexPro default settings. All front-panel LEDs flash at 2Hz for 5 seconds to confirm.

REAR PANEL

No.	Name	Function Description
1	**48V phantom power indicator lights**	There are eight phantom power indicators. When you use a MIC/LINE IN port (1 to 8) as a mic input and turn on its 48V phantom power, the green indicator for that port lights.
?	**MIC/LINE INPUTS ports**	Analog line inputs, balanced or unbalanced, 8 channels, max input level 24dBu. The same ports also take analog mic inputs, balanced or unbalanced, 8 channels, min input level -35dBV. All eight ports can supply 48V phantom power. Once you turn phantom power on in the Web GUI or by API command, the port powers the connected microphone.
?	**LINE OUTPUTS ports**	Analog line outputs, balanced or unbalanced, 8 channels, max output level 20dBu.
5	**PRIMARY (PoE) / SECONDARY (PoE) port**	Dante® primary and secondary network ports, both supporting PoE+. Each port carries Dante® audio in and out, and also the Web GUI and TCP/IP control. The two networks run as hot backups: if the primary network fails, the unit switches to the secondary network automatically.
6	**DC 12V**	DC 12V/2.5A power input.

6. Dante® Web GUI User Guide

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

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

The Web GUI has two accounts. **Admin** has access to every page. **User** opens the simpler User page described at the end of this section. You can change either account's password on the System page.

INFORMATION PAGE

This page shows basic information about the bridge: its 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 on the Preset page.

- ① **Preset Name:** Name the scene, up to 32 characters.
- ② **Preset Save:** Click Save to store the current scene.
- ③ **Preset Clear:** Click Clear to delete a stored scene.
- ④ **Preset Recall:** Click Recall to load a stored scene.

The upper right corner of every page also has four controls:

- ① **Master Out volume:** Click the volume icons to raise or lower the Master Out volume, or click the mute icon to mute or unmute it. The mute icon turns red while Master Out is muted.
- ② **Current user:** Shows which account is signed in (User or Admin).
- ③ **Power:** Click the power icon to power the bridge on or put it into standby.
- ④ **Logout:** Click the logout icon to sign out and go back to the login screen.

INPUT PAGE

Input Setting

- ① **LINE IN 1–8:** 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. While it is on, that MIC/LINE INPUT on the rear panel powers the microphone connected to it.

OUTPUT PAGE

Output Setting

- ① **Master Out:** Set the Master Out volume, or mute and unmute it. Master Out controls only the LINE OUT channels whose switches are on. Turn the switch for each LINE OUT 1–8 on or off to bring that output under Master Out. You can also set that output's own volume and mute.
- ② **LINE OUT 1–8:** Choose each output's level 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 from the drop-down list. It can be any of LINE IN 1–8 or LINE OUT 1–8.
- ② **Stereo:** Turn stereo mode on or off. In stereo mode, a pair of channels shares the same EQ.
- ③ **Equalizer:** Choose an EQ set. **Flat** sets every band to 0dB. **Custom1** and **Custom2** are your own EQ settings.
- ④ **Bands 1–8:** Click a band button to select it. The selected band shows a blue grid. For that band, set the **Filter Type** (Parametric, Lowpass, Highpass, Low Shelf or High Shelf). Drag the sliders to set its **Gain [dB]**, **Frequency [Hz]** and **Q**.
- ⑤ **Clear:** Clear the PEQ settings.
- ⑥ **Copy PEQ Settings:** Copy these PEQ settings to any LINE IN 1–8 or LINE OUT 1–8.
- ⑦ **Export PEQ Settings:** Save the PEQ settings to a file.
- ⑧ **Import PEQ Settings:** Load PEQ settings from a file.

NETWORK PAGE

Network Configuration: Choose the IP mode (DHCP or Static) for the primary and secondary networks.

- With **Static**, enter the IP address, subnet mask and gateway yourself, then click Save.
- With **DHCP**, the bridge takes the address your router assigns and fills it in.

On the primary network you can also set the TCP port, the Telnet port and the domain name. You can type the unit's domain name, which ends in ".local", into a browser to open the Web GUI. You can change the domain name (up to 32 characters). Click Save to apply your changes, or Cancel to discard them.

SYSTEM PAGE

System Utilities

- ① **Power On:** Power the 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 bridge waits before it goes into standby.
- ④ **Reboot:** Restart the bridge.
- ⑤ **Restore Factory Settings:** Return the bridge to its KanexPro default settings.
- ⑦ **Export Settings:** Save the configuration to a file.
- ⑧ **Import Settings:** Load a configuration from a file.

Account Passwords: Change the login passwords for the User and Admin accounts, then click Save.

Firmware Update: Click "Choose File" and select the update file, then click "Update". The update is complete when the progress bar reaches 100%.

USER PAGE

Select the User account on the login screen, enter its password and click LOGIN to open the User page. On this page you can:

- ① **Preset:** Recall a stored preset scene.
- ② **Master Out:** Set the Master Out volume, or mute and unmute it, for the LINE OUT channels whose switches are on. Turn the switch for each LINE OUT 1–8 on or off, and set each output's own volume and mute.

7. Control with RelayAV

RelayAV is KanexPro's control app. Once the AUD-DTE-8X8LINE 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.

8. API Control Command

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

1. Connect the bridge's Dante® PRIMARY (PoE) or SECONDARY (PoE) port to the same switch as your PC. 2. Put all devices on the same LAN. 3. Open a command tool on the PC and send ASCII commands to the bridge on **TCP/IP port 8000**. The Telnet port is 23 by default.

In the tables, x is the first parameter and y is the second. For channel numbers, 0 means all inputs or all outputs.

SYSTEM SETTING

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
`help`	List all API commands	`help`	List of all API commands	
`?`	List all API commands	`?`	List of all API commands	
`get type`	Get the device model	`get type`	`AUD-DTE-8X8LINE`	
`status`	Get the device's current status	`status`	See "Status readout" below	
`get fw version`	Get the firmware versions	`get fw version`	`Web: V1.00.02 MCU: V2.0.0 DEP: V1.3.3.5_20250819`	
`power on`	Power on the device	`power on`	`Power on System Initializing... Initialization Finished!` followed by the firmware versions	
`power off`	Power off the device	`power off`	`Power: off`	
`get power`	Get the current power state	`get power`	`Power: off`	
`set standby x`	Set the standby mode. x = 1 Standby, 2 Sleep	`set standby 1`	`Standby mode: standby`	1

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
get standby	Get the standby mode	get standby	Standby mode: standby	
reboot	Reboot the device	reboot	Reboot… System Initializing... Initialization Finished! followed by the firmware versions	
reset	Reset 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…	
reset all	Reset 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	Set the auto standby time. x = 0 turns auto standby off; x = 1–100 is 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

x = 0–8 (0 = all inputs, 1–8 = LINE IN1–LINE IN8)

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	LINE IN1 gain: 10dB	0
get input x gain	Get input x's gain	get input 1 gain	LINE 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	LINE IN3 sensitivity: +24dBu	Not clearly stated in the manual
get input x sensitivity	Get input x's sensitivity	get input 3 sensitivity	LINE IN3 sensitivity: +24dBu	
set input x phantom power on/off	Turn input x's 48V phantom power on or off	set input 3 phantom power on	LINE IN3 phantom power: on	Off
get input x phantom power	Get input x's 48V phantom power status	get input 3 phantom power	LINE IN3 phantom power: on	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set input x gain+ / set input x gain+y	Raise input x's gain by y. y = 0.1–24; leave y out for a 1dB step	`set input 1 gain+` / `set input 1 gain+5`	From 0dB: `LINE IN1 gain: 1dB`, then `LINE IN1 gain: 6dB`	
set input x gain- / set input x gain-y	Lower input x's gain by y. y = 0.1–24; leave y out for a 1dB step	`set input 1 gain-` / `set input 1 gain-5`	From 6dB: `LINE IN1 gain: 5dB`, then `LINE IN1 gain: 0dB`	
set input x mute on/off	Mute or unmute input x	`set input 1 mute on`	`LINE IN1 mute: on`	Off
get input x mute	Get input x's mute status	`get input 1 mute`	`LINE IN1 mute: on`	

OUTPUT SETTING

x = 0–8 (0 = all outputs, 1–8 = LINE OUT1–LINE OUT8)

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set master member <abcdefgh>	Choose which outputs Master Out controls. Each letter is 1 (include) or 0 (exclude): a = LINE OUT1, b = LINE OUT2, c = LINE OUT3, d = LINE OUT4, e = LINE OUT5, f = LINE OUT6, g = LINE OUT7, h = LINE 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 / set vol x	Set the Master Out volume. x = 0–100	`set master vol 50` / `set vol 50`	`Master volume: 50`	50
get master vol / get vol	Get the Master Out volume	`get master vol` / `get vol`	`Master volume: 50`	
set master vol+ / set vol+ / set master vol+y / set vol+y	Raise the Master Out volume by y. y = 1–100; leave y out for a single step	`set master vol+` / `set master vol+5`	`Master volume: 51` (the new value)	
set master vol- / set vol- / set master vol-y / set vol-y	Lower the Master Out volume by y. y = 1–100; leave y out for a single step	`set master vol-` / `set master vol-5`	`Master volume: 49` (the new value)	
set master mute on/off / set mute on/off	Mute or unmute Master Out	`set master mute on` / `set mute on`	`Master mute: on`	Off
get master mute / get mute	Get the Master Out mute status	`get master mute` / `get mute`	`Master mute: on`	
set output x gain y	Set output x's level. y = 1 +20dBu, 2 +14dBu, 3 +4dBu, 4 0dBV, 5 -18dBV	`set output 3 gain 1`	`LINE OUT3 sensitivity: +20dBu`	—

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
get output x gain	Get output x's level	get output 3 gain	LINE OUT3 sensitivity: +20dBu	
set output x vol y	Set output x's volume. y = 0–100	set output 5 vol 50	LINE OUT5 volume: 50	50
get output x vol	Get output x's volume	get output 5 vol	LINE OUT5 volume: 50	
set output x vol+ / set output x vol+y	Raise output x's volume by y. y = 1–100; leave y out for a single step	set output 5 vol+ / set output 5 vol+5	LINE OUT5 volume: 55 (the new value)	
set output x vol- / set output x vol-y	Lower output x's volume by y. y = 1–100; leave y out for a single step	set output 5 vol- / set output 5 vol-5	LINE OUT5 volume: 45 (the new value)	
set output x mute on/off	Mute or unmute output x	set output 5 mute on	LINE OUT5 mute: on	Off
get output x mute	Get output x's mute status	get output 5 mute	LINE OUT5 mute: on	
set output x delay y	Set output x's delay. y = 0–50ms	set output 5 delay 50	LINE OUT5 delay: 50ms	0
get output x delay	Get output x's delay	get output 5 delay	LINE OUT5 delay: 50ms	

DSP SETTING

For inputs, x = 0–8 (0 = all inputs, 1–8 = LINE IN1–8). For outputs, x = 0–8 (0 = all outputs, 1–8 = LINE OUT1–8). EQ band index y = 0–8, where 0 = all bands. Filter type t = 1 Parametric, 2 Lowpass, 3 Highpass, 4 Low Shelf, 5 High Shelf.

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	LINE IN1 PEQ: Custom1	
get input x eq preset	Get input x's PEQ preset	get input 1 eq preset	LINE 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	LINE IN1 EQ all: on	Off
get input x eq	Get the on/off status of each EQ band on input x	get input 1 eq	LINE IN1 EQ 1: off … LINE IN1 EQ 8: off	
set input x eq stereo on/off	Turn EQ stereo mode on or off for an input pair, so that both channels share the same EQ. x = 0 all inputs, 1 LINE IN1/2, 2 LINE IN3/4, 3 LINE IN5/6, 4 LINE IN7/8	set input 1 eq stereo on	LINE IN1/2 EQ stereo mode: on	Off

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
get input x eq stereo	Get an input pair's EQ stereo mode	`get input 1 eq stereo`	`LINE IN1/2 EQ stereo mode: on`	
set input x eq y typ t frq z val aa q bb	Set input x's EQ band y. z = frequency, 20–20000Hz in 1Hz steps. aa = gain, -15 to 15dB in 0.1dB steps. bb = Q, 0.02–16 in 0.01 steps	`set input 1 eq 1 typ 1 frq 200 val -18 q 0.02`	`LINE IN1 EQ: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4`	
get input x eq setting	Get every EQ band's settings for input x	`get input 1 eq setting`	`Dante LINE IN1 EQ` followed by one line per band, e.g. `1: 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 LINE 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`	`LINE OUT1 PEQ: Custom1`	
get output x eq preset	Get output x's PEQ preset	`get output 1 eq preset`	`LINE 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`	`LINE OUT1 EQ 1: on ... LINE OUT1 EQ 8: on`	Off
get output x eq	Get the on/off status of each EQ band on output x	`get output 1 eq`	`LINE OUT1 EQ 1: off ... LINE OUT1 EQ 8: off`	
set output x eq stereo on/off	Turn EQ stereo mode on or off for an output pair. x = 0 all outputs, 1 LINE OUT1/2, 2 LINE OUT3/4, 3 LINE OUT5/6, 4 LINE OUT7/8	`set output 1 eq stereo on`	`LINE OUT1/2 EQ stereo mode: on`	Off
get output x eq stereo	Get an output pair's EQ stereo mode	`get output 1 eq stereo`	`LINE OUT1/2 EQ stereo mode: on`	
set output x eq y typ t frq z val aa q bb	Set output x's EQ band y. z = frequency, 20–20000Hz in 0.1Hz steps. aa = gain, -15 to 15dB in 0.1dB steps. bb = Q, 0.02–16 in 0.01 steps	`set output 1 eq 1 typ 1 frq 200 val -18 q 0.02`	`LINE OUT1 EQ Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4`	
get output x eq setting	Get every EQ band's settings for output x	`get output 1 eq setting`	`Dante LINE OUT1 EQ` followed by one line per band, e.g. `1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on`	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set output x eq clear	Clear output x's EQ settings	`set output 1 eq clear`	`Clear LINE OUT1 EQ`	
set input/output x eq copy to input/output y	Copy the EQ of input or output x to input or output y. x = 1–8; y = 0–8 (0 = all)	`set input 1 eq copy to output 2`	`Set LINE IN1 EQ copy to LINE OUT2`	

PRESET SETTING

A preset holds every setting except the network settings. x = 1–5.

COMMAND	FUNCTION	EXAMPLE	FEEDBACK
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

A new network setting does not take effect straight away. Afterwards, send `set net reboot` or power the unit off and on again. Turn DHCP off before you set a static address, subnet mask or gateway. If DHCP is still on, the unit replies `DHCP on, Device can't config static address, set DHCP off first.` (or the same message for the subnet mask or gateway).

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
set pri ip mode x	Set the primary network's IP mode. 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	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:` followed by the new address and the apply reminder	
get pri ip addr	Get the primary network's IP address	`get pri ip addr`	`Primary IP:` followed by the address	
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` and the apply reminder	
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` and the apply reminder	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
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 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	Get the secondary network's IP mode	`get sec ip mode`	`Secondary IP mode: DHCP`	
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:` followed by the new address and the apply reminder	
get sec ip addr	Get the secondary network's IP address	`get sec ip addr`	`Secondary IP:` followed by the address	
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` and the apply reminder	
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` and the apply reminder	
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`	The TCP/IP and Telnet ports, then for the primary and the secondary network: IP mode, IP address, subnet mask, gateway, MAC address and the stored static settings	
set tcp/ip port x	Set the TCP/IP control port. x = 1–65535	`set tcp/ip port 8000`	`TCP/IP port: 8000`	8000
get tcp/ip port	Get the TCP/IP control port	`get tcp/ip port`	`TCP/IP port: 8000`	

continued

COMMAND	FUNCTION	EXAMPLE	FEEDBACK	DEFAULT
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`	
set net reboot	Restart the network modules	`set net reboot`	`Network reboot... Search for IP, Please wait ...!` followed by the same readout 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:` followed by the current host name	

STATUS READOUT

The `status` command returns a summary like the one below. Your unit's firmware versions, addresses and settings will be its own.

```
`` ================================================================================ Status Info AUD-DTE-8X8LINE 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 LINE IN1 Off 0dBV 0 Off ... ... ... ... ... ... 08 LINE IN8 Off 0dBV 0 Off Output Name Gain Volume Mute Delay (ms) 01 LINE OUT1 0dBV 50 Off 0 ... ... ... ... ... ... 08 LINE 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 IP> <gateway> <subnet mask> (Static: <stored static IP, gateway and subnet mask>) SECONDARY DHCP IP Gateway SubnetMask On <current IP> <gateway> <subnet mask> (Static: <stored static IP, gateway and subnet mask>)
================================================================================ ``
```

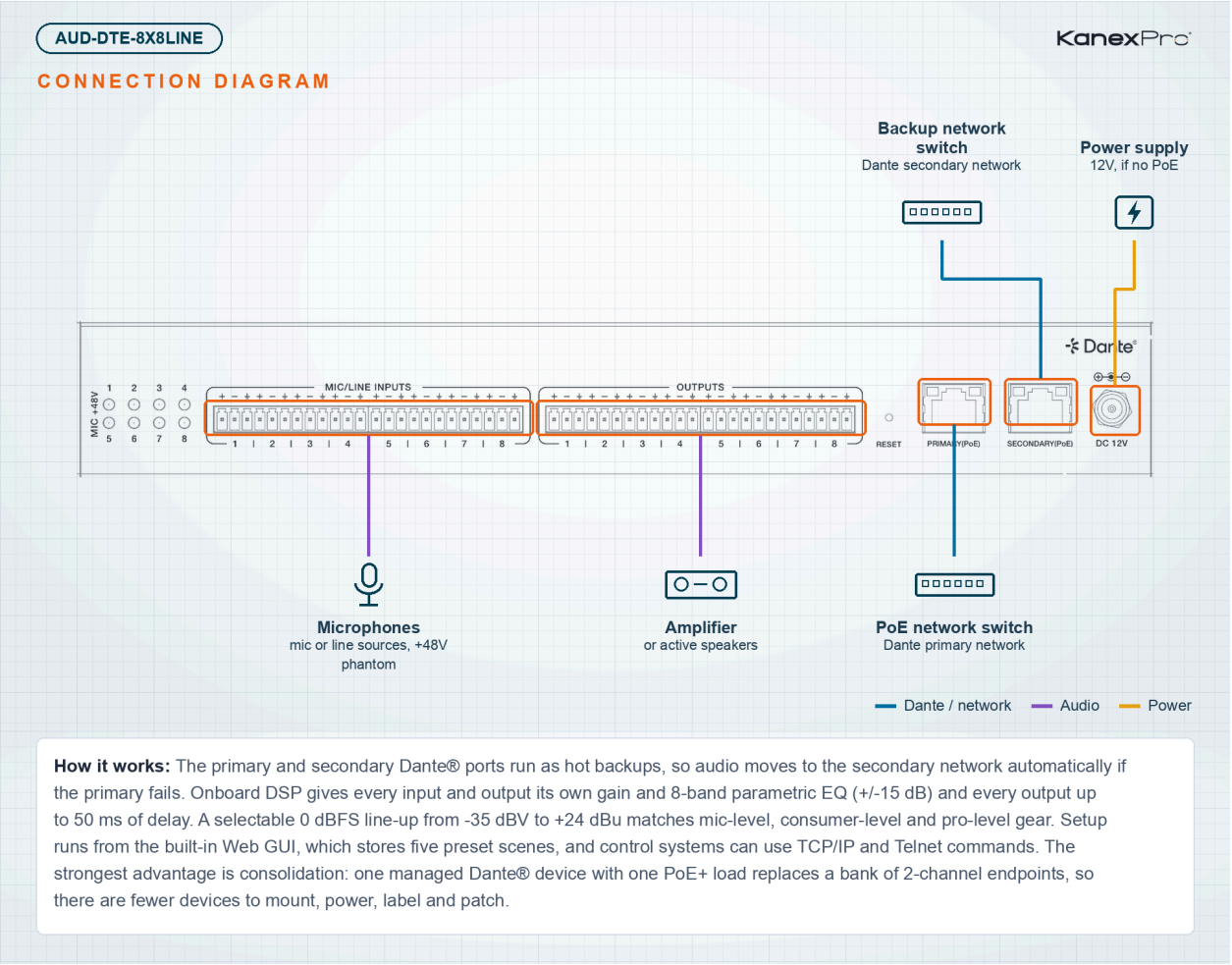
9. Connection Diagram

In a typical system, the audio bridge connects to a PoE network switch through its Dante® ports, and the switch powers it. Plug microphones and other analog sources into the MIC/LINE INPUTS. Connect the LINE OUTPUTS to audio amplifiers or active speakers. Dante® devices such as a Dante® amplifier send and receive audio through the same network switch. A laptop on that switch runs Dante® Controller and the Web GUI.

10. Trademarks

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

11. Connection Diagram



How it works: The primary and secondary Dante® ports run as hot backups, so audio moves to the secondary network automatically if the primary fails. Onboard DSP gives every input and output its own gain and 8-band parametric EQ (+/-15 dB) and every output up to 50 ms of delay. A selectable 0 dBFS line-up from -35 dBV to +24 dBu matches mic-level, consumer-level and pro-level gear. Setup runs from the built-in Web GUI, which stores five preset scenes, and control systems can use TCP/IP and Telnet commands. The strongest advantage is consolidation: one managed Dante® device with one PoE+ load replaces a bank of 2-channel endpoints, so there are fewer devices to mount, power, label and patch.

12. Troubleshooting

Q: The unit does not power up or stays in standby. What should I check?
A: Check the POWER LED: green means the unit is on, red means standby and off means it has no power. If it is off, confirm that the switch port supplies PoE+ (IEEE 802.3at, Class 4) or that the 12V/2.5A supply is locked in. If it is red, power it on from the power icon in the Web GUI or with "power on". Auto standby is set to 10 minutes by default; change it on the System page or turn it off with "set auto stb 0".

Q: The STATUS LED is flashing. What does that mean?
A: A STATUS LED flashing at 2 Hz means the system has a fault; green means it is working normally. Press RESET briefly to restart the unit. If the fault comes back, hold RESET for 5 seconds to reset it to KanexPro default settings; all front-panel LEDs flash for 5 seconds to confirm.

Q: I cannot reach the Web GUI. What should I check?
A: Make sure the PC and the unit's PRIMARY port are on the same switch and LAN, then look up the unit's current address on the Device Info tab in Dante Controller, since it uses DHCP by default. If you changed the network settings, they apply only after "set net reboot" or a power cycle. If a static address will not save, turn DHCP off for that network first.

Q: A microphone gives no signal or a very weak one. What should I check?
A: For a condenser mic, check that phantom power is on for that input; its green indicator on the rear panel should be lit. Then set that input's sensitivity to -35 dBV for mic level, make sure the input is not muted, and check its gain on the Input page or with "get input 1 mute" and "get input 1 gain".

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