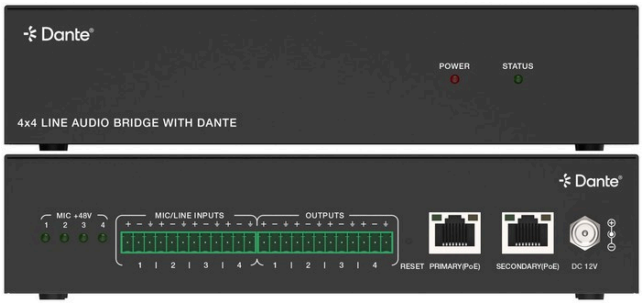
4x4 Mic/Line Dante® and AES67 Bridge with 8-Band PEQ and Delay

Tune and Time-Align at the Interface - 8-Band PEQ on All 8 I/O, Up to 50ms Delay per Output, Mic to +24dBu Line-Up



Brings four mic or line sources onto Dante® and returns four Dante® channels to analog, tuned and time-aligned at the interface, from one device on one network drop. The AUD-DTE-4X4LINE is a black metal unit measuring 7.87 x 7.09 x 1.73 in. It has two locking RJ45 Dante® ports, primary and secondary, and runs on PoE+ or the supplied 12V/2.5A locking DC supply, drawing 8.64W at most. Four balanced or unbalanced inputs and four balanced or unbalanced outputs terminate on 3.5mm Phoenix connectors. It is the right choice for meeting rooms, lecture halls, houses of worship and venues where channels per drop and I/O-level DSP matter more than a stack of 2-channel adapters.

Each input has switchable +48V phantom power, and a global 0dBFS line-up runs in six steps from -35dBV to +24dBu. One unit therefore handles a condenser mic, consumer playback gear or a hot +24dBu line feed. Every input and output has an 8-band PEQ (±15dB) with parametric, low-pass, high-pass and shelving filters, and each output has up to 50ms of delay. Five preset scenes store every setting except the network settings. The unit carries Dante® and AES67 audio at 44.1kHz to 96kHz, 16/24-bit. You configure it from the built-in Web GUI or Dante® Controller and control it over TCP/IP or Telnet. It joins the rest of the KanexPro Dante® range, from amplifiers and wall plates to 2-channel adapters, so one room can be built from one catalogue.

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

- ✓ 4x mic/line audio inputs, balanced or unbalanced
- ✓ 4x audio outputs, balanced or unbalanced
- ✓ Dante® 4x4 audio input/output with AES67 support
- ✓ 2x locking RJ45 Dante® ports: primary and secondary
- ✓ Switchable +48V phantom power on each input, with a phantom power indicator per input
- ✓ Adjustable global 0dBFS line-up selection: -35dBV, -18dBV, 0dBV, +4dBu, +14dBu, +24dBu
- ✓ Built-in audio DSP for sensitivity, gain, 8-band PEQ and delay
- ✓ 8-band PEQ (±15dB) on every input and output, with parametric, low-pass, high-pass, low-shelf and high-shelf filters
- ✓ Up to 50ms of delay per output
- ✓ PEQ copy, import and export between channels and files
- ✓ Five preset scenes for storing and recalling settings
- ✓ Master group and standby control
- ✓ Dante® audio at 44.1kHz, 48kHz, 88.2kHz and 96kHz sampling rates, 16/24-bit
- ✓ Configuration through the built-in Web GUI, with Admin and User accounts, or Dante® Controller
- ✓ ASCII command control over TCP/IP (port 8000) and Telnet (port 23)
- ✓ Powered by PoE+ or by a 12V/2.5A locking DC supply
- ✓ Up to 328 ft (100m) over CAT6/6A/7
- ✓ 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 4x4 Line Audio Bridge with Dante® and PoE+
- ✓ 1x 12V/2.5A locking power supply with optional multinational conversion plugs
- ✓ 2x Mounting ear
- ✓ 10x Machine screw
- ✓ 2x 12-pin 3.5mm Phoenix connector (male)

3. Specifications

AUDIO INPUTS	
Inputs	4x mic/line, balanced or unbalanced
Input Level	Max +24dBu (12.28Vrms), balanced line; max +18dBu (6.14Vrms), unbalanced line; min -35dBV (17.78mVrms), balanced mic

continued

Input Impedance	20k Ohm balanced; 10k Ohm unbalanced
Input Sensitivity (0dBFS Line-Up)	+24dBu, +14dBu, +4dBu, 0dBV, -18dBV, -35dBV
Input Gain	-12dB to +12dB, 0.1dB steps
Phantom Power	+48V, switchable per input
AUDIO OUTPUTS	
Outputs	4x line, balanced or unbalanced
Output Level	Max +20dBu (7.75Vrms), balanced; max +14dBu (3.875Vrms), unbalanced; min -18dBV
Output Impedance	600 Ohm balanced; 300 Ohm unbalanced
Output Delay	0 to 50ms per output
DANTE® / NETWORK	
Dante® Channels	4 in / 4 out
Audio Format	Dante®/AES67 digital audio in/out, PCM, 44.1kHz–96kHz, 16/24-bit
Sampling Rates	44.1kHz, 48kHz, 88.2kHz, 96kHz
Network Bandwidth	1000M Dante® network
Dante® Ports	Primary and secondary
Transmission Distance	328 ft (100m) over CAT6/6A/7
IP Mode	DHCP (default) or static, set separately per network
AUDIO PERFORMANCE	
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
Filter Types	Parametric, low-pass, high-pass, low-shelf, high-shelf
EQ Gain	-15dB to +15dB, 0.1dB steps
EQ Frequency	20Hz to 20kHz
EQ Q	0.02 to 16, 0.01 steps
EQ Presets	Flat, Custom1, Custom2; stereo-link mode per channel pair
Preset Scenes	5
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	Through the Web GUI
CONNECTORS	

continued

Mic/Line Inputs	1x 12-pin 3.5mm Phoenix connector, 4 channels
Line Outputs	1x 12-pin 3.5mm Phoenix connector, 4 channels
Dante® Primary	1x locking RJ45, PoE+ PD (Class 4, IEEE 802.3at); Dante®/AES67 audio, Web GUI, TCP/IP and RelayAV control
Dante® Secondary	1x locking RJ45; 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 BUTTONS	
Front Panel	POWER LED, STATUS LED, RESET button
Rear Panel	48V phantom power indicator per input
POWER	
Power Supply	12V/2.5A locking DC power supply, or PoE+ PD (Class 4, IEEE 802.3at)
Power Consumption	8.64W (max)
PHYSICAL	
Housing	Metal enclosure
Color	Black
Dimensions (W x D x H)	7.87 x 7.09 x 1.73 in (200 x 180 x 44 mm)
Weight	2.28 lbs (1.035 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

4. Introduction

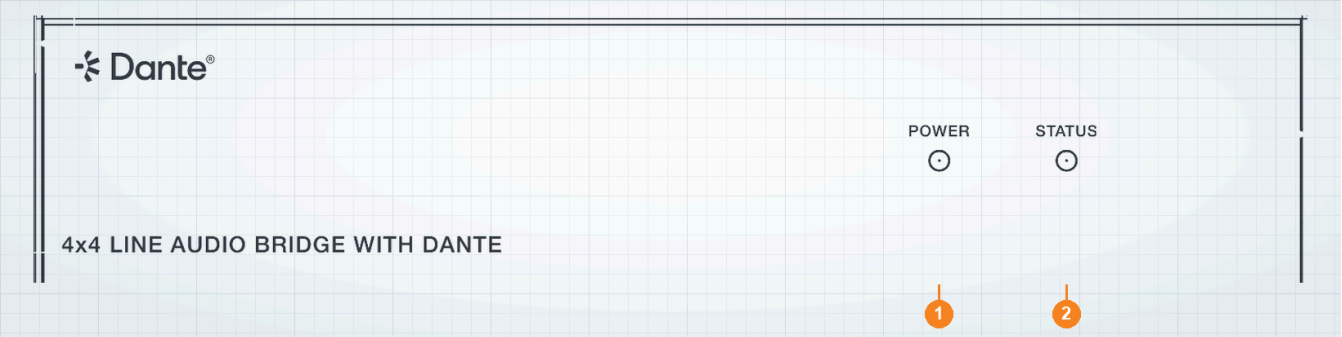
The AUD-DTE-4X4LINE is a 4x4 line audio bridge built on the Dante® Embedded Platform (DEP). It converts up to four mic/line inputs to the Dante® audio standard, and four Dante® channels back to analog outputs. Inputs and outputs can each be balanced or unbalanced. Each analog input offers +48V phantom power and six sensitivity levels. Each analog output offers five output levels.

Built-in signal processing gives you gain, equalizer and delay control. You set the unit up through its built-in Web GUI or with the standard Dante® Controller software. The unit supports Dante® primary and secondary (backup) networks. You can power it by PoE+ (Power over Ethernet) on its network ports or from the supplied 12V DC power supply.

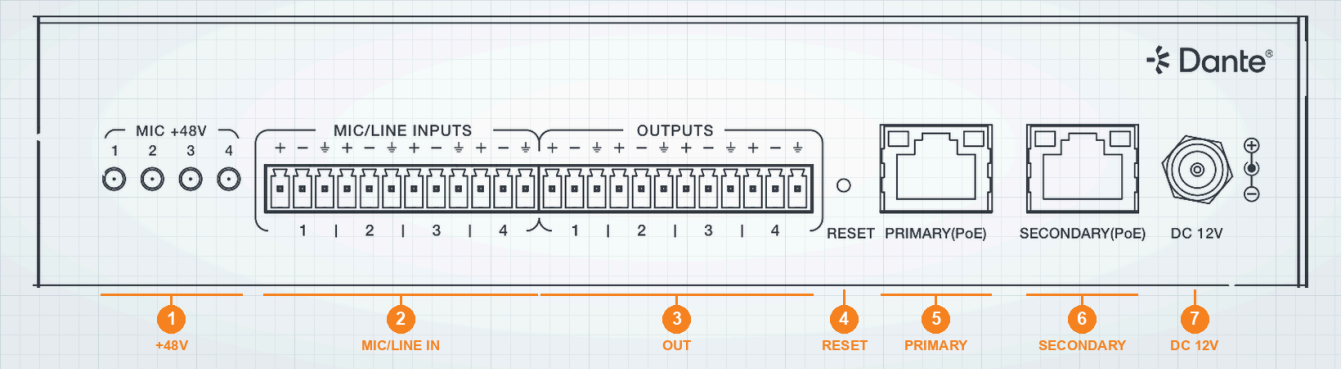
The unit works with many kinds of professional audio equipment and greatly simplifies the wiring of a system.

A surge protection device is recommended. The unit contains sensitive electrical components that electrical spikes, surges, electric shock and lightning strikes can damage. A surge protection system protects your equipment and extends its life.

5. 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**	Green: the system is working normally. Flashing at 2Hz: the system has a fault.
—	**RESET button**	Press the button briefly to restart the system. Press and hold it 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	Description
1	**48V phantom power indicator lights**	When a MIC/LINE IN port (1–4) is used as a microphone input and its 48V phantom power is switched on, that port's green light comes on.
2	**MIC/LINE INPUTS**	Four analog audio input ports, balanced or unbalanced. Line level up to a maximum of 24dBu; microphone level down to a minimum of -35dBV. All four ports can supply 48V phantom power. Once you switch phantom power on in the Web GUI or by API command, the port powers the microphone connected to it.
3	**LINE OUTPUTS**	Four analog line audio output ports, balanced or unbalanced, with a maximum output level of 20dBu.
5	**PRIMARY (PoE) / SECONDARY (PoE)**	Dante® primary and secondary network ports, both supporting PoE+. They carry Dante® audio in and out, and they are the Web GUI and TCP/IP control ports. The two networks work as hot backups: if the primary network has a problem, the unit switches to the secondary network automatically.
6	**DC 12V**	12V/2.5A DC power input.

6. Dante® Web GUI Operation Guide

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

SIGNING IN

1. Connect the unit's Dante® PRIMARY (PoE) port 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 the Dante® Controller software on the PC and find the audio bridge on the Routing page. 4. Click the Device Info tab and note the unit's IP address. The unit is set to 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 screen. 6. Select the Admin account, enter its password and click **LOGIN**. The Information page opens.

The Web GUI has two accounts. **Admin** has full access to every page described below. **User** opens a simpler User page (see "User page" below). You can change the password of both accounts on the System page.

INFORMATION PAGE

This page shows basic information about the unit: model name, MCU version, Web version, DEP SDK version, IP hostname, and the network settings of the primary and secondary networks.

CONTROLS ON EVERY PAGE

Four controls appear in the upper right corner of every page:

1. **Master Out volume.** Click the volume icons to raise or lower the Master Out volume. 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 you are signed in with, User or Admin. 3. **Power.** Click the power icon to power the unit on or put it into standby. 4. **Logout.** Click the logout icon to sign out and return to the login screen.

PRESET PAGE

You can store up to five preset scenes.

1. **Preset Name.** Give the scene a name of up to 32 characters. 2. **Preset Save.** Click Save to store the current settings as the scene. 3. **Preset Clear.** Click Clear to delete a stored scene. 4. **Preset Recall.** Click Recall to load a stored scene.

INPUT PAGE

1. **LINE 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.** Pick each input's sensitivity from the drop-down list: +24dBu, +14dBu, +4dBu, 0dBV, -18dBV or -35dBV. 3. **Phantom Power.** Switch 48V phantom power on or off for each input. When it is on, the matching MIC/LINE INPUTS port on the rear panel powers the microphone connected to it.

OUTPUT PAGE

1. **Master Out.** With the LINE OUT 1–4 switches on, set the Master Out volume or mute and unmute it. Switch each LINE OUT on or off to set that output's own volume, or mute and unmute it. 2. **LINE OUT 1/2/3/4.** Pick 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 SETTINGS)

1. **Channel.** Pick the input or output to adjust from the drop-down list (LINE IN 1–4 or LINE OUT 1–4). 2. **Stereo.** Switch stereo mode on or off. 3. **Equalizer.** Choose an equalizer setting. **Flat** sets all EQ bands to 0dB. **Custom1** and **Custom2** hold your own EQ settings. 4. **Bands 1–8.** These are the eight PEQ bands. A blue box shows the band you have selected. You can then 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.** Clears the settings. 6. **Copy PEQ Settings.** Copies the PEQ settings to any of LINE IN 1–4 or LINE 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

Under Network Configuration, choose the IP mode (DHCP or Static) separately for 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 TCP port, Telnet port and domain name of the primary network. The unit ships with a default domain name ending in `.local`, shown on this page. You can type that name into a browser instead of the IP address to reach 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

Under System Utilities:

- **Power On:** switches the unit on or off.
- **Standby Mode:** choose standby or sleep from the drop-down list.
- **Auto Standby Time:** drag the slider or type a value to set how long the unit waits before going into standby.
- **Reboot:** restarts the unit.
- **Restore Factory Settings:** returns the unit to its KanexPro default settings.
- **Export Settings:** saves the unit's configuration to a file.
- **Import Settings:** loads a configuration file.

Under **Account Passwords**, you can change the login password of the User and Admin accounts. Click **Save** to apply.

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

USER PAGE

On the login screen, select the User account, 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:** with the LINE OUT 1–4 switches on, set the Master Out volume or mute and unmute it. Switch each LINE OUT on or off to set its own volume, or mute and unmute it.

7. Control with RelayAV

RelayAV is KanexPro's control app. Once the AUD-DTE-4X4LINE 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.

8. API Control Command

You can also control the audio bridge with ASCII commands over the network. Connect the unit's Dante® PRIMARY (PoE) or SECONDARY (PoE) port and your PC to the same switch, on the same LAN. Then use a terminal tool that can open a TCP connection to send commands to the unit on **TCP/IP port 8000** (the default). The default Telnet port is 23. You can change both ports on the Network page or by command.

In the tables below, `x` is the first parameter and `y` the second. For an input, `x` is 0 for all inputs or 1–4 for LINE IN 1–4. For an output, `x` is 0 for all outputs or 1–4 for LINE OUT 1–4.

Several network commands reply "(Please use "s net reboot!" command or repower device to apply new config!)". To apply the new network settings, send `set net reboot` or power the unit off and on again.

SYSTEM SETTING

COMMAND	FUNCTION	PARAMETERS	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-4X4LINE	—
status	Get the device's current status	—	status	See "Status report" below	—
get fw version	Get the firmware version	—	get fw version	MCU 1.1.0 Web 1.1.0	—

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
power on	Power 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	Power the device off	—	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
get standby	Get the standby mode	—	get standby	Standby mode: standby	—
reboot	Reboot the device	—	reboot	Reboot… / System Initializing... / Initialization Finished! / Web: V1.00.03 / MCU: V2.0.0 / DEP: V1.3.3.5_20250226	—
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 auto standby off; 1–100 minutes	set auto stb 10	Auto standby time: 10mins	10

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
get auto stb	Get the auto standby time	—	get auto stb	Auto standby time: 10mins	—

INPUT SETTING

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set input x gain y	Set an input's gain	x = 0–4; y = -12 to 12dB, 0.1dB steps	set input 1 gain 10	LINE IN1 gain: 10dB	0
get input x gain	Get an input's gain	x = 0–4	get input 1 gain	LINE IN1 gain: 10dB	—
set input x gain+ / set input x gain+y	Raise an input's gain by y	x = 0–4; y = 0.1–24 steps, may be left out (1dB step)	set input 1 gain+ / set input 1 gain+5	LINE IN1 gain: 1dB / LINE IN1 gain: 6dB	—
set input x gain- / set input x gain-y	Lower an input's gain by y	x = 0–4; y = 0.1–24 steps, may be left out (1dB step)	set input 1 gain- / set input 1 gain-5	LINE IN1 gain: 5dB / LINE IN1 gain: 0dB	—
set input x sensitivity y	Set an input's sensitivity	x = 0–4; y = 1 +24dBu, 2 +14dBu, 3 +4dBu, 4 0dBV, 5 -18dBV, 6 -35dBV	set input 3 sensitivity 1	LINE IN3 sensitivity: +24dBu	see Flags
get input x sensitivity	Get an input's sensitivity	x = 0–4	get input 3 sensitivity	LINE IN3 sensitivity: +24dBu	—
set input x mute on/off	Mute or unmute an input	x = 0–4	set input 1 mute on	LINE IN1 mute: on	Off
get input x mute	Get an input's mute state	x = 0–4	get input 1 mute	LINE IN1 mute: on	—
set input x phantom power on/off	Switch an input's 48V phantom power on or off	x = 0–4	set input 3 phantom power on	LINE IN3 phantom power: on	Off
get input x phantom power	Get an input's 48V phantom power state	x = 0–4	get input 3 phantom power	LINE IN3 phantom power: on	—

OUTPUT SETTING

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set master member <abcd>	Choose which outputs follow Master Out	a, b, c, d = LINE OUT1, 2, 3, 4; 1 includes the output, 0 leaves it out	set master member <1111>	Set master member: 1111	1111
get master member	Get which outputs follow Master Out	—	get master member	1111	—
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

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
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 steps, may be left out (1dB step)	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	Lower the Master Out volume by y	y = 1–100 steps, may be left out (1dB step)	set master vol- / set master vol-5	Master volume: 49 / Master volume: 44	—
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 state	—	get master mute / get mute	Master mute: on	—
set output x vol y	Set an output's volume	x = 0–4; y = 0–100	set output 2 vol 50	LINE OUT2 volume: 50	50
get output x vol	Get an output's volume	x = 0–4	get output 2 vol	LINE OUT2 volume: 50	—
set output x vol+ / set output x vol+y	Raise an output's volume by y	x = 0–4; y = 1–100 steps, may be left out (step 1)	set output 2 vol+ / set output 2 vol+5	LINE OUT2 volume: 50 / LINE OUT2 volume: 55	—
set output x vol- / set output x vol-y	Lower an output's volume by y	x = 0–4; y = 1–100 steps, may be left out (step 1)	set output 2 vol- / set output 2 vol-5	LINE OUT2 volume: 50 / LINE OUT2 volume: 45	—
set output x gain y	Set an output's gain	x = 0–4; y = 1 +20dBu, 2 +14dBu, 3 +4dBu, 4 0dBV, 5 -18dBV	set output 3 gain 1	LINE OUT3 sensitivity: +20dBu	—
get output x gain	Get an output's gain	x = 0–4	get output 3 gain	LINE OUT3 sensitivity: +20dBu	—
set output x mute on/off	Mute or unmute an output	x = 0–4	set output 2 mute on	LINE OUT2 mute: on	Off
get output x mute	Get an output's mute state	x = 0–4	get output 2 mute	LINE OUT2 mute: on	—
set output x delay y	Set an output's delay	x = 0–4; y = 0–50 milliseconds	set output 2 delay 50	LINE OUT2 delay: 50ms	0

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
get output x delay	Get an output's delay	x = 0–4	get output 2 delay	LINE OUT2 delay: 50ms	—

DSP SETTING

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set input x eq preset y	Set an input's PEQ preset	x = 0–4; y = 1 Flat, 2 Custom1, 3 Custom2	set input 1 eq preset 2	LINE IN1 PEQ: Custom1	—
get input x eq preset	Get an input's PEQ preset	x = 0–4	get input 1 eq preset	LINE IN1 PEQ: Custom1	—
set input x eq y on/off	Switch one EQ band of an input on or off	x = 0–4; y = 0–8 (0 = all bands)	set input 1 eq 0 on	LINE IN1 EQ all: on	Off
get input x eq	Get the on/off state of an input's EQ bands	x = 0–4	get input 1 eq	LINE IN1 EQ 1: off ... LINE IN1 EQ 8: off (one line per band)	—
set input x eq stereo on/off	Switch EQ stereo mode on or off (both inputs of a pair share the same EQ settings)	x = 0 all inputs, 1 LINE IN1/2, 2 LINE IN3/4	set input 1 eq stereo on	LINE IN1/2 EQ stereo mode: on	Off
get input x eq stereo	Get the EQ stereo mode state	x = 0 all inputs, 1 LINE IN1/2, 2 LINE IN3/4	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 one EQ band of an input	x = 0–4; y = 0–8 (0 = all); t = 1 Parametric, 2 Lowpass, 3 Highpass, 4 Low Shelf, 5 High Shelf; z = 20–20000Hz (1Hz step); aa = -15 to 15dB gain (0.1dB step); bb = Q 0.02–16 (0.01 step)	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 the settings of an input's EQ bands	x = 0–4	get input 1 eq setting	Dante LINE IN1 EQ then one line per band 1–8, for example 1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on	—

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set input x eq clear	Clear an input's EQ settings	x = 0–4	`set input 1 eq clear`	`Clear LINE IN1 EQ`	—
set output x eq preset y	Set an output's PEQ preset	x = 0–4; y = 1 Flat, 2 Custom1, 3 Custom2	`set output 1 eq preset 2`	`LINE OUT1 PEQ: Custom1`	—
get output x eq preset	Get an output's PEQ preset	x = 0–4	`get output 1 eq preset`	`LINE OUT1 PEQ: Custom1`	—
set output x eq y on/off	Switch one EQ band of an output on or off	x = 0–4; y = 0–8 (0 = all bands)	`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 state of an output's EQ bands	x = 0–4	`get output 1 eq`	`LINE OUT1 EQ 1: off … LINE OUT1 EQ 8: off`	—
set output x eq stereo on/off	Switch EQ stereo mode on or off (both outputs of a pair share the same EQ settings)	x = 0 all outputs, 1 LINE OUT1/2, 2 LINE OUT3/4	`set output 1 eq stereo on`	`LINE OUT1/2 EQ stereo mode: on`	Off
get output x eq stereo	Get the EQ stereo mode state	x = 0 all outputs, 1 LINE OUT1/2, 2 LINE OUT3/4	`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 one EQ band of an output	x = 0–4; y = 0–8 (0 = all); t = 1 Parametric, 2 Lowpass, 3 Highpass, 4 Low Shelf, 5 High Shelf; z = 20–20000Hz (0.1Hz step); aa = -15 to 15dB gain (0.1dB step); bb = Q 0.02–16 (0.01 step)	`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 the settings of an output's EQ bands	x = 0–4	`get output 1 eq setting`	`Dante LINE OUT1 EQ` then one line per band 1–8, for example `1: Type: 2, Frequency: 1000Hz, Value: 12dB, Q: 1.4 on`	—
set output x eq clear	Clear an output's EQ settings	x = 0–4	`set output 1 eq clear`	`Clear LINE OUT1 EQ`	—

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set input/output x eq copy to input/output y	Copy one channel's EQ to another channel	x = 1–4 (LINE IN/OUT 1–4); y = 0 all inputs/outputs, or 1–4	set input 1 eq copy to output 2	Set LINE IN1 EQ copy to LINE OUT2	—

PRESET SETTING

Presets store every setting except the network settings.

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK
set preset save x	Save the current settings to a preset	x = 1–5	set preset save 1	Save to preset 1
set preset recall x	Recall a preset	x = 1–5	set preset recall 1	Recall preset 1
set preset clear x	Clear a preset	x = 1–5	set preset clear 1	Clear preset 1

NETWORK SETTING

You can only set a static IP address, subnet mask or gateway while that network is in Static mode. If DHCP is still on, the unit replies "DHCP on, Device can't config static address, set DHCP off first." (or "…subnet mask…" / "…gateway…"). Set the IP mode to Static first.

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
get ipconfig	Get the current IP configuration	—	get ipconfig	Lists the TCP/IP and Telnet ports. Then, for the primary and secondary networks: IP mode, IP address, subnet mask, gateway, MAC address and stored static settings	—
set pri ip mode x	Set the primary network 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 IP mode	—	get pri ip mode	Primary IP mode: DHCP	—

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set pri ip addr xxx.xxx.xxx.xxx	Set the primary network IP address	—	`set pri ip addr 192.168.1.100`	`Primary IP address: 192.168.0.100 (Please use "s net reboot!" command or repower device to apply new config!)`	—
get pri ip addr	Get the primary network IP address	—	`get pri ip addr`	`Primary IP: 192.168.0.100`	—
set pri subnet xxx.xxx.xxx.xxx	Set 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!)`	—
get pri subnet	Get the primary network subnet mask	—	`get pri subnet`	`Primary Subnet Mask: 255.255.255.0`	—
set pri gateway xxx.xxx.xxx.xxx	Set 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!)`	—
get pri gateway	Get the primary network gateway	—	`get pri gateway`	`Primary Gateway: 192.168.1.1`	—
set sec ip mode x	Set the secondary network 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 IP mode	—	`get sec ip mode`	`Secondary IP mode: DHCP`	—

continued

COMMAND	FUNCTION	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set sec ip addr xxx.xxx.xxx.xxx	Set the secondary network IP address	—	`set sec ip addr 192.168.1.100`	`Secondary IP address: 192.168.0.100 (Please use "s net reboot!" command or repower device to apply new config!)`	—
get sec ip addr	Get the secondary network IP address	—	`get sec ip addr`	`Secondary IP: 192.168.0.100`	—
set sec subnet xxx.xxx.xxx.xxx	Set 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!)`	—
get sec subnet	Get the secondary network subnet mask	—	`get sec subnet`	`Secondary Subnet Mask: 255.255.255.0`	—
set sec gateway xxx.xxx.xxx.xxx	Set 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!)`	—
get sec gateway	Get the secondary network gateway	—	`get sec gateway`	`Secondary Gateway: 192.168.1.1`	—
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`	—
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	PARAMETERS	EXAMPLE	FEEDBACK	DEFAULT
set net hostname xxxx	Set the network hostname	up to 32 characters	`set net hostname 123`	`Hostname: 123`	—
get net hostname	Get the network hostname	—	`get net hostname`	`Hostname:` followed by the unit's current hostname	—
set net reboot	Restart the network modules and apply new network settings	—	`set net reboot`	`Network reboot...` / `Search for IP, Please wait ...!`, then the IP configuration as for `get ipconfig`	—

STATUS REPORT

The `status` command returns a report like the one below. The network section shows the unit's own ports, addresses and MAC addresses.

```
`` ================================================================================================ Status Info AUD-DTE-4X4LINE 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 02 LINE IN2 Off 0dBV 0 Off 03 LINE IN3 Off 0dBV 0 Off 04 LINE IN4 Off 0dBV 0 Off Output Name Gain Volume Mute Delay (ms) 01 LINE OUT1 0dBV 50 Off 0 02 LINE OUT2 0dBV 50 Off 0 03 LINE OUT3 0dBV 50 Off 0 04 LINE 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 xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx (Static: xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx) SECONDARY DHCP IP Gateway SubnetMask On xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx (Static: xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx)
================================================================================================ ``
```

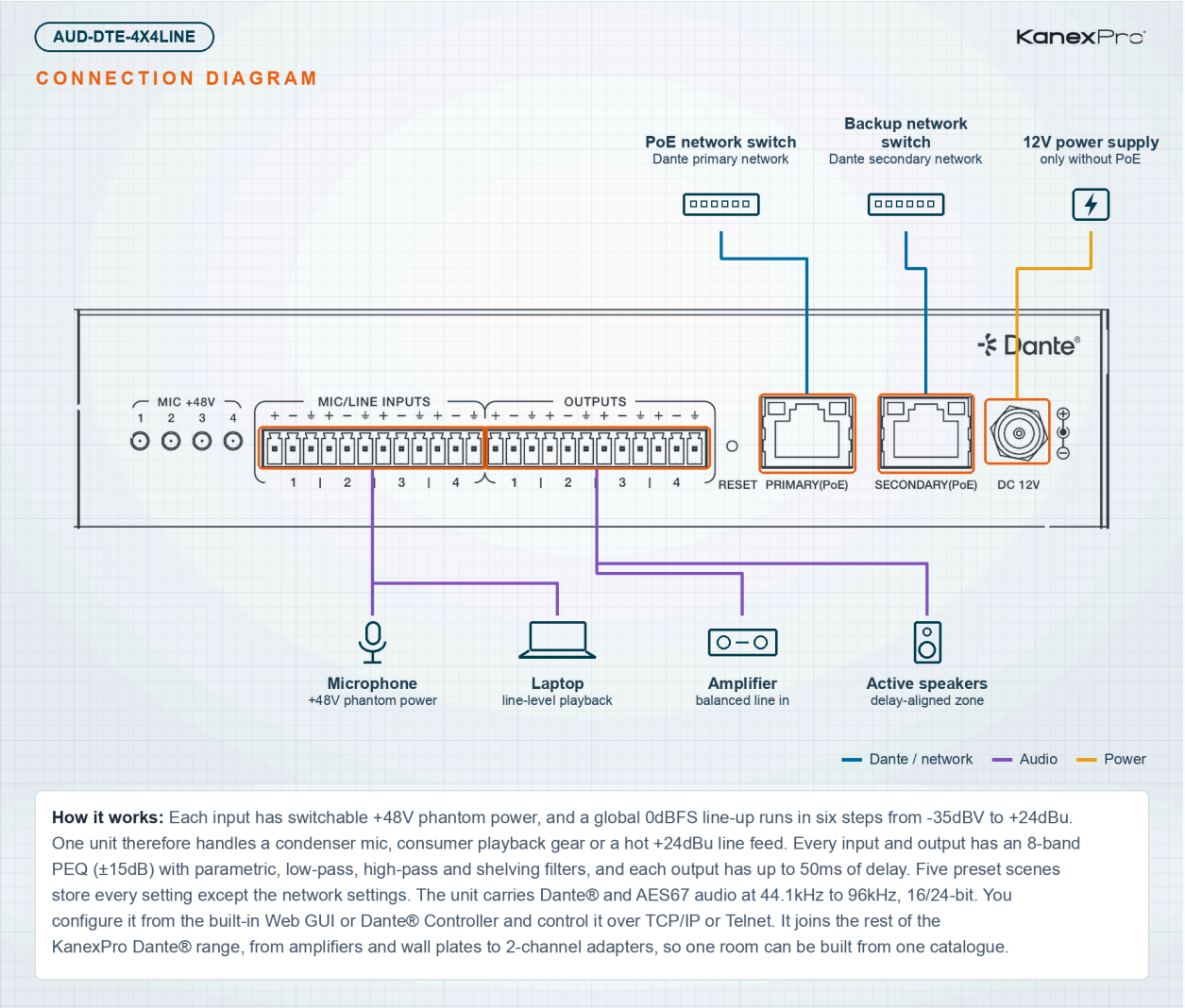
9. Connection Diagram

The manual's connection diagram shows the audio bridge in a system with a PoE network switch, a microphone, a laptop, a Dante® amplifier, audio amplifiers and active speakers. The PoE switch can power the unit through its Dante® port, so no local power supply is needed in that setup. The source text does not say which device connects to which port; the diagram artwork shows that.

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: Each input has switchable +48V phantom power, and a global 0dBFS line-up runs in six steps from -35dBV to +24dBu. One unit therefore handles a condenser mic, consumer playback gear or a hot +24dBu line feed. Every input and output has an 8-band PEQ (±15dB) with parametric, low-pass, high-pass and shelving filters, and each output has up to 50ms of delay. Five preset scenes store every setting except the network settings. The unit carries Dante® and AES67 audio at 44.1kHz to 96kHz, 16/24-bit. You configure it from the built-in Web GUI or Dante® Controller and control it over TCP/IP or Telnet. It joins the rest of the KanexPro Dante® range, from amplifiers and wall plates to 2-channel adapters, so one room can be built from one catalogue.

12. Troubleshooting

Q: The POWER LED is red and there is no audio. What should I check?
A: A red POWER LED means the unit is in standby. Wake it with the power icon in the Web GUI or the power on command. Auto standby is set to 10 minutes by default, and you can turn it off with set auto stb 0.

Q: I cannot reach the Web GUI. What should I check?
A: Make sure the PC and the unit's Dante port are on the same switch and that the PC is set to obtain an IP address automatically. The unit uses DHCP by default, so look up its current address on the Device Info tab in Dante Controller, or type its .local domain name into the browser instead.

Q: A microphone on one input gives no sound. What should I check?
A: First check that the input's phantom power is on if the mic needs it: the rear green 48V light shows it is active. Then confirm that the input is not muted and that its sensitivity suits a mic, such as -35dBV.

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