Bluetooth to Dante Wall Plate, 1-Gang US, PoE

Two Phones or Laptops onto Your Dante® Network from One Wall Plate



Puts guest Bluetooth audio straight onto a Dante® or AES67 network at the wall, with no separate receiver, no analog hop and no second power supply. The AUD-DTE-WPBT is a US 1-gang wall plate that runs on a single Class 0 IEEE 802.3af PoE drop, or a local 12V DC supply where the switch does not provide PoE. It draws 1.8W at most and connects up to two Bluetooth 5.1 phones, tablets or laptops at the same time. It is the right choice for huddle rooms, classrooms, function rooms and fitness studios where a fixed, controllable BYOD audio point on the Dante network matters more than analog I/O.

The plate decodes SBC, AAC, aptX, aptX Low Latency and aptX HD and sends the audio out as Dante at 44.1 to 96kHz, with device latency set to 2, 3, 4, 5 or 10ms in Dante Controller. It also supports AES67 RTP transport for non-Dante systems. It has a configurable Bluetooth name, call or media bridging and an 8-band parametric EQ per channel. In RelayAV, the KanexPro control app, you set its Bluetooth volume and mute, open the pairing window and manage pairing, and set the input gain, mute and stereo settings. RelayAV does not route its Dante audio: Dante routing is set in Dante Controller. The TCP/IP and Telnet API gives a control system volume (0 to 100), mute, track and play/pause control, and reports the connected devices and the track now playing. The strongest differentiator is that the room stays under the integrator's control: each plate can carry a room-specific Bluetooth name, pairing closes automatically after a set window, and two presenters can stay connected and hand over without re-pairing. 12V DC power adapter sold separately.

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

- ✓ Dante® network wall plate for Bluetooth input in a standard US 1-gang format
- ✓ Bluetooth 5.1 with SBC, AAC, aptX, aptX Low Latency and aptX HD codecs, at 44.1–48kHz and 16/24-bit
- ✓ Up to two Bluetooth devices connected at the same time
- ✓ Switching between connected Bluetooth sources: audio moves to the second device when the playing device pauses or disconnects
- ✓ Configurable Bluetooth name of up to 24 bytes, so users in rooms with several plates can find the right one
- ✓ Pairing window adjustable from 30 to 300 seconds (60 seconds by default), or open pairing with no time limit
- ✓ Front-panel PAIR button with blue status LED for pairing, clearing pairings and returning to default status
- ✓ Bluetooth volume adjustment from 0 to 100, with mute and linked or independent left/right control
- ✓ Previous-track, next-track and play/pause control of the Bluetooth source
- ✓ Artist, album and track information displayed from the audio source
- ✓ Bluetooth format display showing the codec in use
- ✓ Selectable audio bridging: call audio, media audio, or both
- ✓ 8-band parametric EQ per channel with parametric, low-pass, high-pass, low-shelf and high-shelf filters; EQ settings can be copied, exported and imported
- ✓ Input gain adjustment from -12dB to +12dB in 0.1dB steps
- ✓ Dante® sample rates of 44.1, 48, 88.2 and 96kHz
- ✓ Dante® device latency of 2, 3, 4, 5 or 10ms, set in Dante® Controller
- ✓ AES67 RTP audio transport
- ✓ Class 0 IEEE 802.3af PoE, so any PoE switch can power the plate
- ✓ Local 12V DC input on a 2-pin Phoenix connector for switches that do not supply PoE (adapter sold separately)
- ✓ Control from the front-panel button, in RelayAV (Bluetooth volume, mute and pairing; input gain, mute and stereo), or over TCP/IP and Telnet
- ✓ DHCP or static IP addressing, with configurable TCP port, Telnet port and host name
- ✓ Bluetooth firmware updates through the USB-C service port

2. Package Contents

- ✓ 1x AUD-DTE-WPBT Bluetooth to Dante® Wall Plate
- ✓ 1x 2-pin 3.5mm Phoenix connector (male)

3. Specifications

AUDIO	
Input	Two-channel Bluetooth audio
Output	Dante® 2-channel output
Bluetooth audio format	Bluetooth 5.1; SBC, AAC, aptX, aptX LL, aptX HD; 2 channels; 44.1–48kHz; 16/24-bit
Dante® audio format	2 channels; 44.1, 48, 88.2 and 96kHz; 16/24-bit
AES67	AES67 RTP audio transport
Audio latency	Dante® device latency of 2, 3, 4, 5 or 10ms, set in Dante® Controller

continued

Frequency response	20Hz–20kHz
Signal-to-noise ratio	>= 100dB
THD+N	<= 0.1%
BLUETOOTH	
Version	Bluetooth 5.1, internal antenna
Simultaneous connections	Up to 2 devices
Bluetooth name	Configurable, up to 24 bytes
Pairing window	30–300 seconds (default 60 seconds), or no time limit
Volume	0–100, with mute
Audio bridging	Call, media (default), or call and media
Transport control	Previous track, next track, play/pause
Metadata	Artist, album and track
DSP	
Parametric EQ	8 bands per channel; linked or independent left/right
Filter types	Parametric, low-pass, high-pass, low shelf, high shelf
EQ gain	-15dB to +15dB, 0.1dB steps
EQ frequency	20Hz–20kHz, 1Hz steps
EQ Q	0.02–16, 0.01 steps
Input gain	-12dB to +12dB, 0.1dB steps
NETWORK AND CONTROL	
Network bandwidth	100Mbps
Transmission distance	328 ft (100m) over CAT6/6A/7
Dante® configuration	Dante® Controller
Control methods	Front-panel PAIR button, RelayAV, TCP/IP and Telnet API
Default TCP/IP port	8000
Default Telnet port	23
IP mode	DHCP (default) or static
Host name	Configurable, up to 32 characters
Firmware update	Bluetooth through the USB-C service port
CONNECTIONS	
Bluetooth input	1x Bluetooth, internal antenna
Dante® (PoE)	1x RJ45 with PoE, LINK (yellow) and DATA (green) LEDs
Service	1x USB-C

continued

Pairing	1x PAIR button with blue LED
Power input	1x 12V DC, 2-pin 3.5mm Phoenix connector
POWER	
PoE input	IEEE 802.3af, Class 0
DC input	12V / 1A
Power consumption	1.8W (max)
PHYSICAL	
Format	US 1-gang wall plate
Housing	Plastic panel, iron chassis
Color	White panel, silver chassis
Dimensions (W x D x H)	1.77 x 1.57 x 4.13 in (45 x 40 x 105 mm)
Net weight	0.33 lbs (0.15 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

SURGE PROTECTION

This product contains sensitive electrical parts that electrical spikes, surges, electric shock and lightning strikes can damage. We strongly recommend a surge protection system to protect the equipment and extend its life.

NETWORK CABLE

Connect this product with a straight-through (direct) network cable. Do not use a crossover cable. Terminate both ends in the same order:

PIN	WIRE COLOUR
1	White and orange
2	Orange
3	White and green
4	Blue
5	White and blue
6	Green
7	White and brown
8	Brown

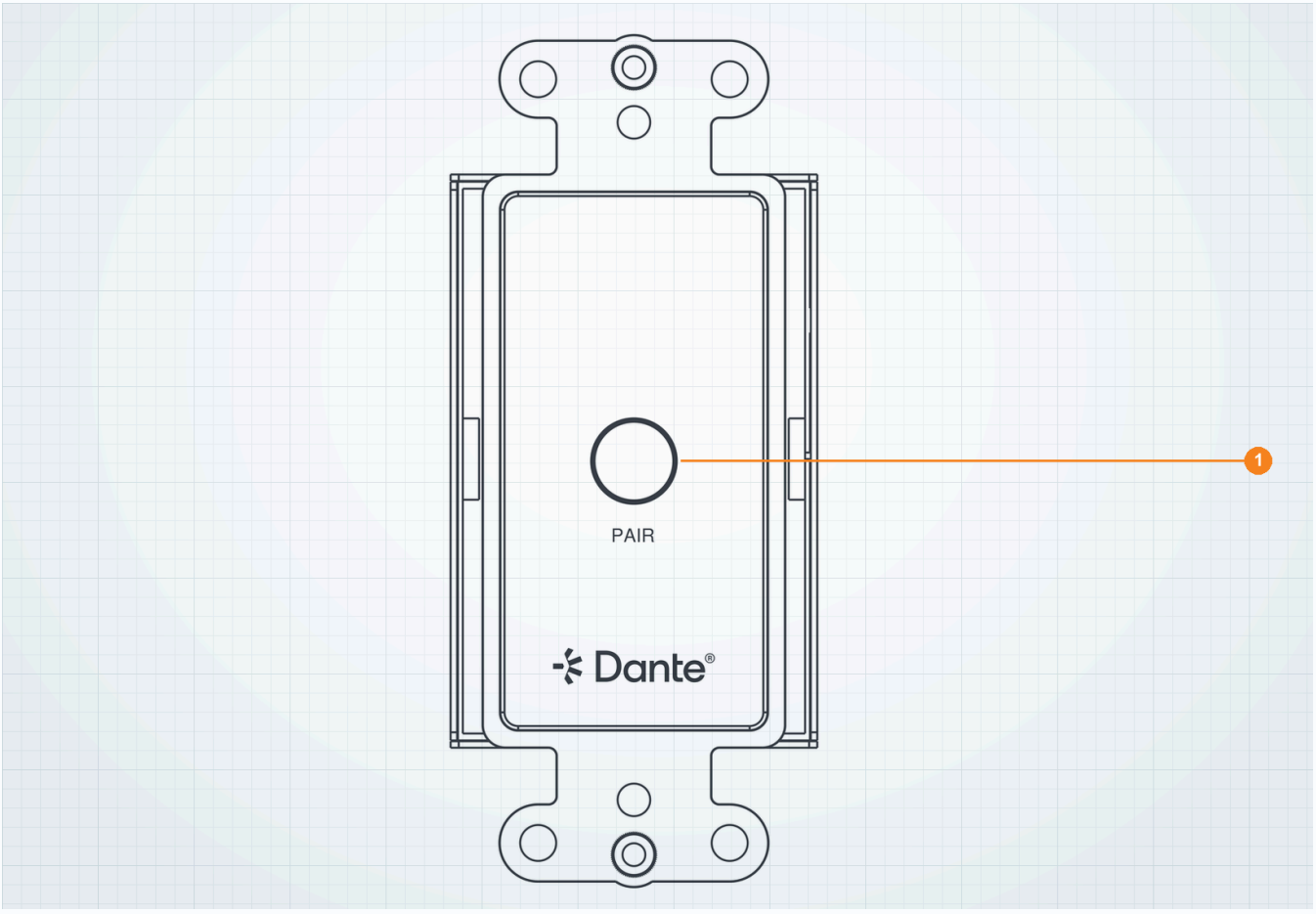
5. Introduction

The AUD-DTE-WPBT is a standard US 1-gang wall plate that turns Bluetooth audio from up to two connected devices into Dante® digital audio. You can control it with the front-panel button, with API commands over TCP/IP, or through its built-in web interface. The web interface lets you set up Bluetooth and control the input.

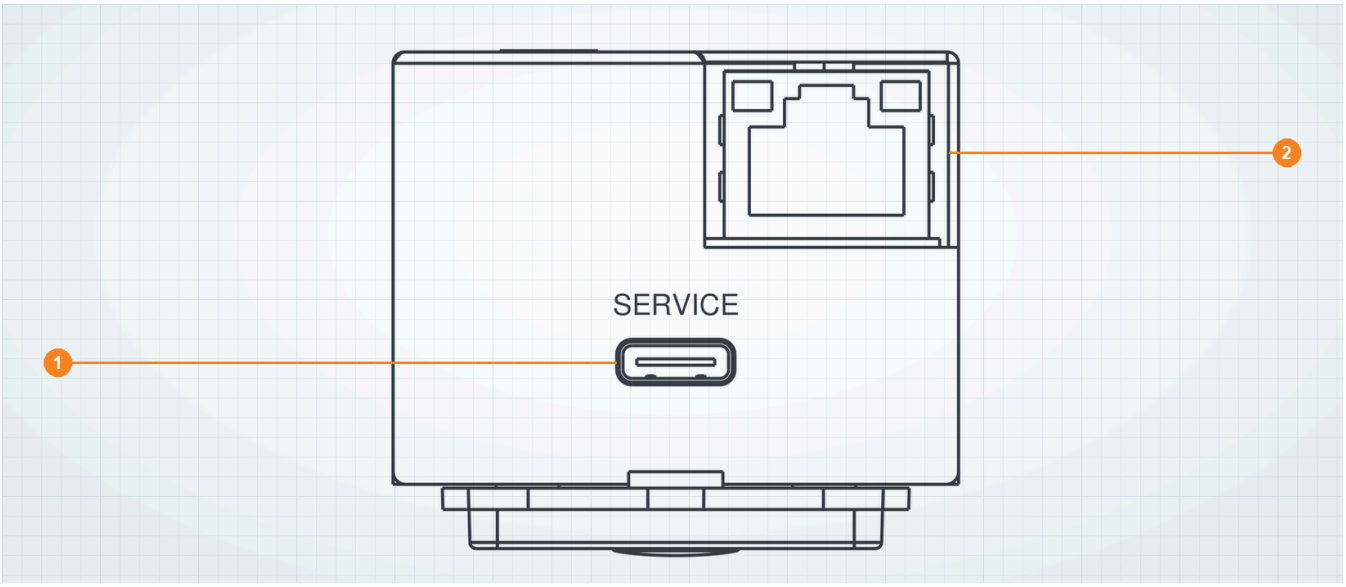
You can change the Bluetooth name the plate advertises. In rooms with several plates, this lets each user find the right one.

The plate is plug and play. It takes power over Ethernet (PoE) from the network switch, or from a local 12V DC supply, and it supports AES67 RTP audio transport. It is a bring-your-own-device (BYOD) interface: any Bluetooth phone, tablet or laptop can stream audio wirelessly into a Dante® audio system.

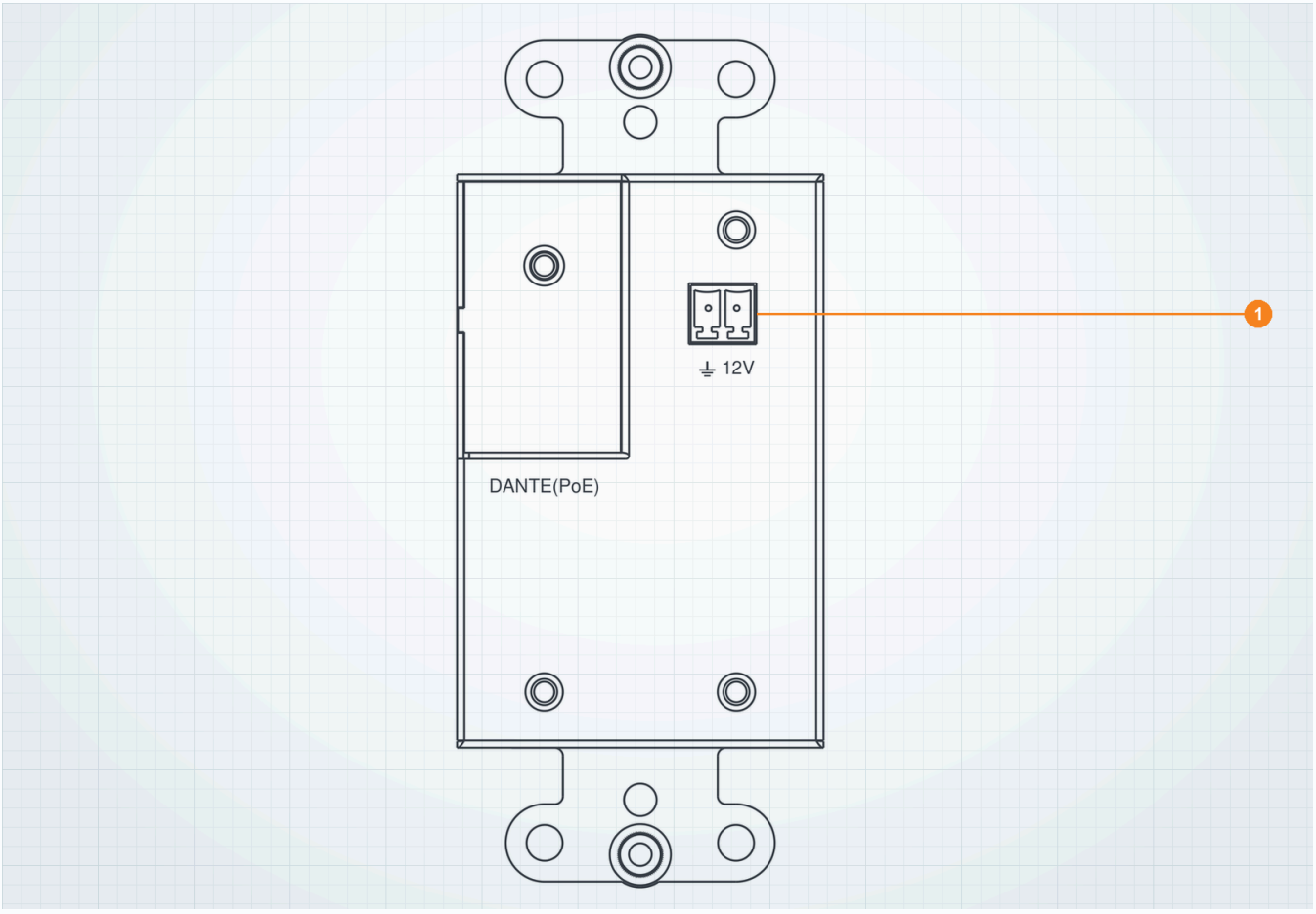
6. Panel Descriptions



Front Panel



Top Panel



Rear Panel

The manual shows one panel, the front, with numbered callouts.

No.	Name	Description
unconfirmed	**PAIR button & LED**	Bluetooth pairing button with a blue LED. See "Bluetooth Pairing" below for how it works.
unconfirmed	**SERVICE port**	USB-C port used to upgrade the Bluetooth software.
unconfirmed	**DANTE (PoE) port**	Dante® digital audio input/output. Connect it to the network switch with an RJ45 cable; the plate can take its power from this port (PoE powered device). The yellow LINK LED stays on once the connection is good. The green DATA LED flashes while data is moving.
4	**Power port**	12V/1A DC power input.

7. Bluetooth Pairing

You pair and connect Bluetooth devices with the PAIR button on the front panel, together with two controls on the Input page of the web interface: the **Bluetooth Discoverable/Pairing** switch and the **Window Time** switch. The PAIR LED behaves differently depending on how these are set.

DEFAULT BEHAVIOUR

Out of the box, Bluetooth Discoverable/Pairing is ON and Window Time is ON, set to 60 seconds. For the first 60 seconds after power-on the plate can be found and paired. After that, Discoverable/Pairing turns itself off.

SETTING	DEFAULT
Window Time (30–300s) switch	ON, 60 seconds
Bluetooth Discoverable/Pairing switch	ON

PAIR LED WITHIN THE 60-SECOND WINDOW	PAIR LED AFTER THE 60-SECOND WINDOW
Flashing: no device is connected	Off: no device is connected
Steady on: 1 or 2 devices are connected	Steady on: 1 or 2 devices are connected

SCENE 1: WINDOW TIME SWITCH SET TO OFF

Short-press the PAIR button to start pairing and connection. The settings change as follows:

WINDOW TIME SWITCH	BLUETOOTH DISCOVERABLE/PAIRING SWITCH	PAIR LED
OFF → OFF	OFF → ON	Flashing: no device is connected. Steady on: 1 or 2 devices are connected.

The plate now stays discoverable with no time limit, which uses more power. To end pairing mode, either press and hold the PAIR button for 15 seconds, which returns the system to its default status, or turn off the Bluetooth Discoverable/Pairing switch on the Input page of the web interface.

SCENE 2: WINDOW TIME SWITCH SET TO ON (30–300 SECONDS)

Set the window anywhere from 30 to 300 seconds, then short-press the PAIR button to start pairing and connection:

WINDOW TIME SWITCH	BLUETOOTH DISCOVERABLE/PAIRING SWITCH	PAIR LED WITHIN THE WINDOW	PAIR LED AFTER THE WINDOW
ON → ON	OFF → ON	Flashing: no device is connected. Steady on: 1 or 2 devices are connected.	Off: no device is connected. Steady on: 1 or 2 devices are connected.

The plate stays discoverable for the time you set. To end pairing early and save power, press and hold the PAIR button for 15 seconds to return to default status, or turn off the Bluetooth Discoverable/Pairing switch in the web interface.

USING ONE DEVICE

When one device is connected, the same rules apply and the LED stays on.

NOTES

1. **Two devices at most.** If two devices are already connected and you press PAIR, the LED flashes three times to show that no more devices can join. The web interface still works. If you have set Discoverable/Pairing to ON and Window Time to OFF, you must disconnect at least one device before the plate can find and connect a third. 2. **Switching between two devices.** When two devices are connected, audio moves to the second device only after the one that is playing pauses or disconnects. 3. **Disconnecting without losing pairing.** Click **Disconnect** next to Connected Device 1 or 2 on the Input page. The pairing is kept in the Bluetooth module, so the phone can reconnect on its own without the plate going back into pairing mode. 4. **Clearing all pairings.** Press and hold PAIR for 3 seconds, or click **Clear** beside Bluetooth Pairing Record on the Input page. Every device must then pair again. On each phone that paired before, first remove ("forget") the plate in its Bluetooth settings, then reconnect.

8. Dante® Web GUI Operation

The plate has a built-in web interface.

SIGNING IN

1. Connect the plate's DANTE (PoE) port to an Ethernet switch. 2. Connect a PC to the same switch, and set the PC's network connection to obtain an IP address automatically. 3. Open Dante® Controller on the PC and find the plate on the Routing page. 4. Open the **Device Info** tab to see the plate's IP address. The plate uses DHCP by default, so use Dante® Controller to find its address. 5. Type that IP address into a browser on the PC. The sign-in page opens. 6. Choose the **Admin** account, enter its password and click **Login**. The Information page opens.

The plate has two accounts. **Admin** reaches every page described below. **User** reaches only the Control page.

INFORMATION PAGE

This page shows basic information about the plate: model name, MCU version, web version, DEP SDK version, Bluetooth version, IP host name and network configuration. To sign out and return to the sign-in page, click the Logout icon at the top right.

INPUT PAGE

1. **Bluetooth Name:** Type a new name of up to 24 bytes, then click **Save** to apply it. 2. **Bluetooth Discoverable/Pairing:** Click the switch to turn discovery and pairing mode on or off. 3. **Window Time (30–300s):** Type how long the plate stays discoverable (60 seconds by default). Click the switch on the right to turn the time limit on or off. 4. **Bluetooth Volume:** Type a value or drag the slider to set the volume, or click the speaker icon to mute and unmute. With the Left/Right Stereo switch ON, one setting changes both channels together. With it OFF, you set each channel separately. 5. **Bluetooth Audio Bridging:** Choose what the plate passes on. **Call bridging** plays call audio only. **Media bridging** plays media audio only. **Call & Media bridging** plays both. 6. **Connected Device 1/2:** Shows the name of each connected device, or N/A if none is connected. Click **Disconnect** to drop a device. If two devices are connected and you press PAIR, the LED flashes three times to show no more can join. 7. **Bluetooth Pairing Record:** Click **Clear** to erase all pairing information. 8. **Bluetooth Format:** Shows the codec currently in use. 9. **Backward/Play/Forward:** Skip to the previous track, play or pause, or skip to the next track. 10. **Artist/Album/Track:** Shows the artist, album and track now playing.

DSP PAGE (PEQ SETTINGS)

1. **Select:** Choose the input channel to work on. 2. **Stereo:** With the switch ON, one EQ applies to both channels. With it OFF, you set the left and right EQ separately. 3. **Frequency points (1–8):** Drag any of the eight points on the curve. 4. **Band buttons 1–8:** Click a band; orange shows the selected one. Then set:

- **Filter Type:** Parametric, Lowpass, Highpass, Low Shelf or High Shelf.
- **Gain [dB]:** Type a value or drag the slider, from -15dB to +15dB.
- **Frequency [Hz]:** Type a value or drag the slider, from 20Hz to 20kHz.
- **Q:** Type a value or drag the slider, from 0.02 to 16.

5. **Clear:** Clears the PEQ settings. 6. **Copy PEQ Settings:** Click the button, tick the channels to copy to, then click **Update**. 7. **Export PEQ Settings:** Saves the PEQ settings to a file. 8. **Import PEQ Settings:** Loads PEQ settings from a file.

NETWORK PAGE

Choose an IP mode: **DHCP** or **Static**.

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

You can also set the TCP port, the Telnet port and the domain name. The domain name is shown as the IP host name, a name ending in .local, and you can type it into a browser to reach the web interface. The ending differs on every unit. You can change the domain name; it can be up to 32 characters. Click **Save** to apply your changes, or **Cancel** to discard them.

SYSTEM PAGE

- **Account Passwords:** Change the sign-in passwords for the User and Admin accounts, then click **Save**.
- **Firmware Update:** Updates the MCU and DEP SDK firmware. Click **Choose File**, select the update file, then click **Update**. The update is complete when the progress bar reaches 100%.
- **System Utilities:** 1. **Reboot:** Restarts the plate. 2. **Restore Factory Settings:** Returns the plate to its factory settings. 3. **Export Settings:** Saves the configuration to a file. 4. **Import Settings:** Loads a configuration file.

CONTROL PAGE (USER ACCOUNT)

Sign in with the **User** account to reach the Control page. There you can type a value or drag the slider to set the Bluetooth volume, and mute or unmute the audio. The Left/Right Stereo switch works as it does on the Input page.

9. API Commands

You can control the plate with text commands over the network. Connect the plate's DANTE (PoE) port and your PC to the same switch, on the same LAN. Then open a TCP/Telnet terminal program on the PC and connect to the plate's IP address.

ITEM	VALUE
Protocol	TCP/IP
TCP/IP port	8000 (default)
Telnet port	23 (default)
Parameters	x = parameter 1, y = parameter 2

LIST ALL COMMANDS

COMMAND	FUNCTION	FEEDBACK	EXAMPLE
`?`	List all commands	List of all commands	`?`
`help`	List all commands	List of all commands	`help`

SYSTEM SETTING

COMMAND	FUNCTION	FEEDBACK	EXAMPLE
get type	Get device model	AUD-DTE-WPBT	get type
get fw version	Get firmware versions	MCU:Vx.x.x WEB:Vx.x.x DEP:Vx.x.x Bluetooth: Vx.x.x	get fw version
get status	Get system status	See "Sample get status reply" below	get status
set reboot	Reboot the device	Reboot…	set reboot
set reset	Reset system settings to default. Type "yes" to confirm or "no" to cancel.	Sure to reset system settings to default? Type "yes" after next prompt to confirm…	set reset
set reset all	Reset system and network settings to default. Type "yes" to confirm or "no" to cancel.	Sure to reset system and network settings to default? Type "yes" after next prompt to confirm…	set reset all

INPUT SETTING

Channel values for x: 0 = all inputs, 1 = Bluetooth input left, 2 = Bluetooth input right. Stereo commands accept only x = 1 (Bluetooth input left/right).

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
set input x stereo on/off	Set stereo mode for input x	Bluetooth input left/right stereo mode: on	On	set input 1 stereo on
get input x stereo	Get stereo mode for input x	Bluetooth input left/right stereo mode: on		get input 1 stereo

continued

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
set input x gain y	Set input x gain to y (-12 to +12dB, 0.1dB steps)	Bluetooth input left gain: 10dB	0dB	set input 1 gain 10
set input x gain+ / set input x gain+y	Raise input x gain by y (0.1–24; leave y out for 1dB)	Bluetooth input left gain: 1dB / …: 5dB		set input 1 gain+ / set input 1 gain+5
set input x gain- / set input x gain-y	Lower input x gain by y (0.1–24; leave y out for 1dB)	Bluetooth input left gain: -1dB / …: -5dB		set input 1 gain- / set input 1 gain-5
get input x gain	Get input x gain	Bluetooth input left gain: 10dB		get input 1 gain
set input x mute on/off	Mute or unmute input x	Bluetooth input left mute: on	Off (from sample status)	set input 1 mute on
get input x mute	Get input x mute status	Bluetooth input left mute: on		get input 1 mute

BLUETOOTH

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
set bt name <x>	Set the Bluetooth name (24 bytes max)	Set Bluetooth device name to ABC	Bluetooth Adapter- plus characters from the MAC address	set bt name <ABC>
get bt name	Get the Bluetooth name	Bluetooth Adapter-XXXXX		get bt name
set bt discoverable/pairing on/off	Turn discovery/pairing on or off	Bluetooth discoverable/pairing on	On (60s)	set bt discoverable/pairing on
get bt discoverable/pairing	Get discovery/pairing status	Bluetooth discoverable/pairing on		get bt discoverable/pairing
set bt window time x	Set the pairing window to x seconds (30–300)	Bluetooth window time: 60s	60s	set bt window time 60
get bt window time	Get the pairing window time	Bluetooth window time: 60s		get bt window time
set bt window switch on/off	Turn the pairing window on or off	Bluetooth window switch: on	On	set bt window switch on
get bt window switch	Get pairing window status	Bluetooth window switch: on		get bt window switch
set bt vol x	Set volume to x (0–100)	Bluetooth volume: 10	50	set bt vol 10
set bt vol+ / set bt vol+x	Raise volume by x (1–100; leave x out for 1)	Bluetooth volume: 11 / …: 15		set bt vol+ / set bt vol+5

continued

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
set bt vol- / set bt vol-x	Lower volume by x (1–100; leave x out for 1)	`Bluetooth volume: 9 / …: 5`		`set bt vol- / set bt vol-5`
get bt vol	Get volume	`Bluetooth volume: 10`		`get bt vol`
set bt mute on/off	Mute or unmute Bluetooth	`Bluetooth mute: on`	not clearly stated	`set bt mute on`
get bt mute	Get mute status	`Bluetooth mute: on`		`get bt mute`
set bt audio bridging x	Set bridging: 1 = call, 2 = media, 3 = call & media	`Bluetooth audio bridging: Call bridging`	2 (media bridging)	`set bt audio bridging 1`
get bt audio bridging	Get bridging mode	`Bluetooth audio bridging: Call bridging`		`get bt audio bridging`
get bt device	Get connected device names	`Connected device1: HUAWEI P30 Pro Connected device2: N/A`		`get bt device`
get bt connection	Get connection status	`Connected device1: Connected Connected device2: Disconnected`		`get bt connection`
set bt paired clear x	Clear pairings: 0 = all, 1 = device 1, 2 = device 2	`Clear Bluetooth paired devices / Clear Bluetooth paired device1`		`set bt paired clear 0`
get bt format	Get the codec in use	`Bluetooth format: SBC`		`get bt format`
set bt play/pause	Play or pause	`Bluetooth play`		`set bt play/pause`
set bt backward	Previous track	`Bluetooth backward`		`set bt backward`
set bt forward	Next track	`Bluetooth forward`		`set bt forward`
get artist	Get artist	`Artist: xxxxxxx`		`get artist`
get album	Get album	`Album: xxxxxxx`		`get album`
get track	Get track	`Track: xxxxxxxx`		`get track`

DSP SETTING

Channel values for x: 0 = all inputs, 1 = Bluetooth input left, 2 = Bluetooth input right. EQ band y: 0 = all bands, or 1–8.

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
`set x eq y on/off`	Turn EQ band y on or off for channel x	`Bluetooth input left EQ: on`	Off	`set 1 eq 0 on`
`get x eq`	Get EQ on/off status for channel x	`Bluetooth input left EQ: on`		`get 1 eq`
`set x eq stereo on/off`	Use one EQ for both channels (x = 1 only)	`Bluetooth input left/right EQ stereo mode: on`	Off	`set 1 eq stereo on`
`get x eq stereo`	Get EQ stereo mode	`Bluetooth input left/right EQ stereo mode: on`		`get 1 eq stereo`
`set x eq y typ t frq z val aa q bb`	Set band y on channel x. t: 1 = Parametric, 2 = Lowpass, 3 = Highpass, 4 = Low Shelf, 5 = High Shelf. z: 20–20000Hz (1Hz steps). aa: -15 to +15dB (0.1dB steps). bb: Q 0.02–16 (0.01 steps).	`Bluetooth input left EQ 1: Type: 3, Frequency: 200Hz, Value: -15dB, Q: 0.02`	See band table	`set 1 eq 1 typ 1 frq 200 val -15 q 0.02`
`get x eq setting`	Get every band's values for channel x	Band list (see table)		`get 1 eq` (as printed)
`set x eq clear`	Clear the EQ on channel x	`Clear Bluetooth input left EQ`		`set 1 eq clear`
`set x eq copy to y`	Copy channel x's EQ (x = 1 or 2) to y (0 = all, 1 = left, 2 = right)	`Set Bluetooth input left EQ copy to Bluetooth input right`		`set 1 eq copy to 2`

Factory EQ bands, as shown in the `get x eq setting` reply. Every band is Type 1 (Parametric) at 0dB with Q 1.41.

BAND	FREQUENCY
1	32Hz
2	80Hz
3	200Hz
4	500Hz
5	1250Hz
6	3150Hz
7	8000Hz
8	12000Hz

NETWORK SETTING

Changes to the IP mode, address, subnet or gateway take effect only after `set net reboot` or a power cycle; the plate reminds you of this in its reply. While DHCP is on, the plate refuses a static address, subnet or gateway and replies, for example, `DHCP on, Device can't config static address, set DHCP off first.`

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
get ipconfig	Get the current IP configuration	IP mode, IP address, subnet mask, gateway, TCP/IP port (8000), Telnet port (23), MAC address, and the static settings		get ipconfig
get mac addr	Get the MAC address	MAC: xx:xx:xx:xx:xx:xx		get mac addr
set ip mode x	Set IP mode: 0 = static, 1 = DHCP	IP mode: Static (Please use "set net reboot" command or repower device to apply new config!)	1 (DHCP)	set ip mode 0
get ip mode	Get IP mode	IP mode: DHCP		get ip mode
set ip addr xxx.xxx.xxx.xxx	Set the IP address	IP address: 192.168.1.100 (Please use "set net reboot"…)		set ip addr 192.168.1.100
get ip addr	Get the IP address	IP: 192.168.1.100		get ip addr
set subnet xxx.xxx.xxx.xxx	Set the subnet mask	Subnet mask: 255.255.255.0 (Please use "set net reboot"…)		set subnet 255.255.255.0
get subnet	Get the subnet mask	Subnet mask: 255.255.255.0		get subnet
set gateway xxx.xxx.xxx.xxx	Set the gateway	Gateway: 192.168.1.1 (Please use "set net reboot"…)		set gateway 192.168.1.1
get gateway	Get the gateway	Gateway: 192.168.1.1		get gateway
set tcp/ip port x	Set the TCP/IP port (1–65535)	TCP/IP port: 8000	8000	set tcp/ip port 8000
get tcp/ip port	Get the TCP/IP port	TCP/IP port: 8000		get tcp/ip port
set telnet port x	Set the Telnet port (1–65535)	Telnet port: 23	23	set telnet port 23
get telnet port	Get the Telnet port	Telnet port: 23		get telnet port

continued

COMMAND	FUNCTION	FEEDBACK	FACTORY DEFAULT	EXAMPLE
set net reboot	Restart the network module	Network reboot… Search for IP, Please wait ...!, then the new IP configuration		set net reboot

HOST NAME

COMMAND	FUNCTION	FEEDBACK	EXAMPLE
set net hostname xxxx	Set the network host name (32 characters max)	Hostname: 1234	set net hostname 1234
get net hostname	Get the network host name	Hostname: 1234	get net hostname

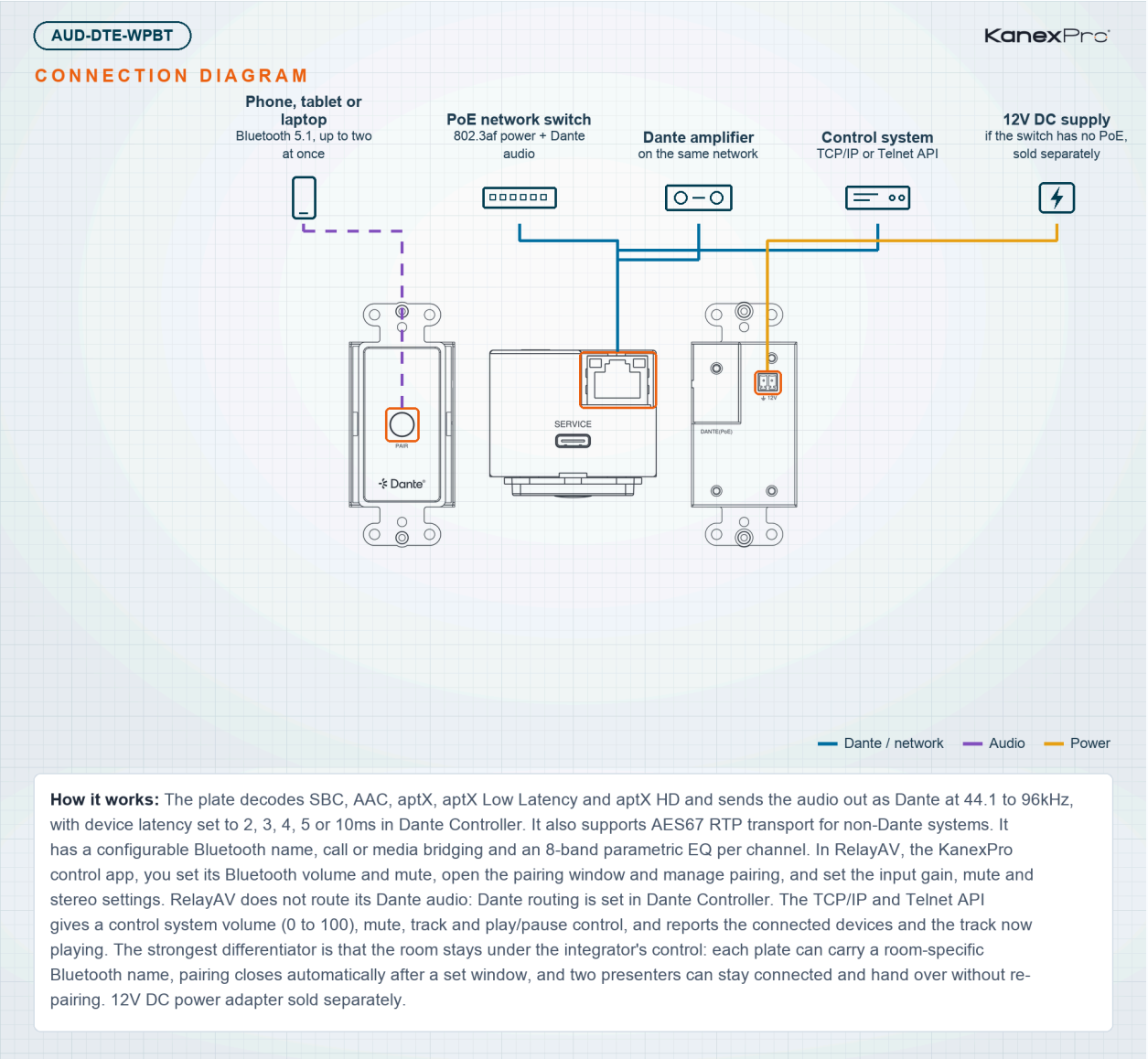
SAMPLE GET STATUS REPLY

`` Status Info 2x2 Dante Wall Plate with Bluetooth MCU:V2.0.0 WEB:V1.00.01 DEP:V1.3.3.5_20250520 Bluetooth:V0.4.0 Input Name Stereo Gain(dB) Mute 01 Bluetooth input left On 0 Off 02 Bluetooth input right On 0 Off Bluetooth: Bluetooth Name: Bluetooth Adapter-XXXXXX Activate Pairing: Off Bluetooth Volume: 80 Bluetooth Bridging: Media bridging Connected device1: N/A Connected device2: N/A Bluetooth Format: N/A TCP/IP Telnet MAC 8000 23 xx:xx:xx:xx:xx:xx DHCP IP Gateway SubnetMask On xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx 255.255.255.000 ``

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 plate decodes SBC, AAC, aptX, aptX Low Latency and aptX HD and sends the audio out as Dante at 44.1 to 96kHz, with device latency set to 2, 3, 4, 5 or 10ms in Dante Controller. It also supports AES67 RTP transport for non-Dante systems. It has a configurable Bluetooth name, call or media bridging and an 8-band parametric EQ per channel. In RelayAV, the KanexPro control app, you set its Bluetooth volume and mute, open the pairing window and manage pairing, and set the input gain, mute and stereo settings. RelayAV does not route its Dante audio: Dante routing is set in Dante Controller. The TCP/IP and Telnet API gives a control system volume (0 to 100), mute, track and play/pause control, and reports the connected devices and the track now playing. The strongest differentiator is that the room stays under the integrator's control: each plate can carry a room-specific Bluetooth name, pairing closes automatically after a set window, and two presenters can stay connected and hand over without re-pairing. 12V DC power adapter sold separately.

12. Troubleshooting

Q: The yellow LINK LED on the Dante port is off. What should I check?
A: Check that the cable is straight-through, not crossover, with both ends terminated in the same order, and that the run is no longer than 328 ft (100m). Then check that the switch port supplies IEEE 802.3af PoE. If the port has no PoE, connect a 12V/1A supply to the DC input. Once the link is good, LINK stays on and the green DATA LED flashes while data is moving.

Q: My phone cannot see the plate in its Bluetooth list. What should I do?
A: By default the plate is discoverable only for 60 seconds after power-on, and the PAIR LED goes off when that window ends. Short-press PAIR to open pairing again: the LED flashes while it waits for a device. If the LED flashes three times instead, two devices are already connected, so disconnect one first.

Q: Two phones are connected but only one plays. Why?
A: Audio moves to the second device only after the device that is playing pauses or disconnects. Pause the first phone, or disconnect it in that phone's Bluetooth settings.

Q: A phone that paired before will not reconnect after the pairings were cleared. How do I fix it?
A: Holding PAIR for 3 seconds erases every pairing. On the phone, remove (forget) the plate in its Bluetooth settings, then pair it again while the PAIR LED is flashing.

Q: Call audio is not coming through, or a new static IP is not taking effect. What should I check?
A: For call audio, set Bluetooth Audio Bridging to Call or Call & Media, because the default is Media only. For a static IP, turn DHCP off first, then apply the change with set net reboot or a power cycle. The plate refuses a static address while DHCP is on.

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