AUD-DTE-WPBTRCA Q-SYS Plugin Guide

For Q-SYS Designer · Plugin version 1.0.7

The KanexPro AUD-DTE-WPBTRCA plugin lets a Q-SYS system control the AUD-DTE-WPBTRCA over the network. It talks to the unit's own control port (TCP 8000): no other KanexPro software and no RS-232 cable are needed. Every control has a pin, so it can be wired to UCI buttons, logic and scripts like any Q-SYS control, and the plugin reads the unit back so changes made on its front panel, remote or web page show in Q-SYS.

> **Before you start —** the Q-SYS Core must reach the AUD-DTE-WPBTRCA on TCP port 8000. Give the unit a fixed IP address (or a DHCP reservation).

TABLE OF CONTENTS

1. What the plugin does
2. Before you start
3. Install the plugin
4. Properties
5. The plugin in Q-SYS Designer
6. Controls
7. Status
8. Troubleshooting

1. WHAT THE PLUGIN DOES

It controls: bluetooth volume, mute Bluetooth, open for pairing, pairing stays open (s), close pairing by itself, choose the source, source (Manual), analog input that comes first, gain (dB), mute, left and right together, sensitivity, output level, volume, delay (ms), playing on the phone, bluetooth bridging, disconnect a phone, forget a paired phone, clear the EQ, same EQ on left and right.

It reads back: bluetooth bridging, bluetooth name, firmware, artist, album, track, bluetooth format.

Settings that only the unit's own web page has (its network, logins and firmware) stay on that page.

2. BEFORE YOU START

- ✓ Q-SYS Designer on a Windows computer, and a Q-SYS Core.
- ✓ The AUD-DTE-WPBTRCA on the same network as the Core, or routed to it, with TCP port 8000 open between them.
- ✓ The unit's IP address (front panel or its own web page).

3. INSTALL THE PLUGIN

1. Download **KanexPro-AUD-DTE-WPBTRCA-QSYS-1.0.7.zip** from the AUD-DTE-WPBTRCA page on kanexpro.com (Resources) and unzip it.
2. Copy `KanexPro-AUD-DTE-WPBTRCA.qplug` into `Documents\QSC\Q-Sys Designer\Plugins` on the Q-SYS Designer computer, or drag the file onto Designer's window.
3. Restart Q-SYS Designer. The plugin appears in Schematic Elements under **Plugins > KanexPro**.
4. Drag it into the design, select it and set its properties (section 4).
5. Save the design to the Core and run it. The plugin connects by itself and shows its state on its Status control.

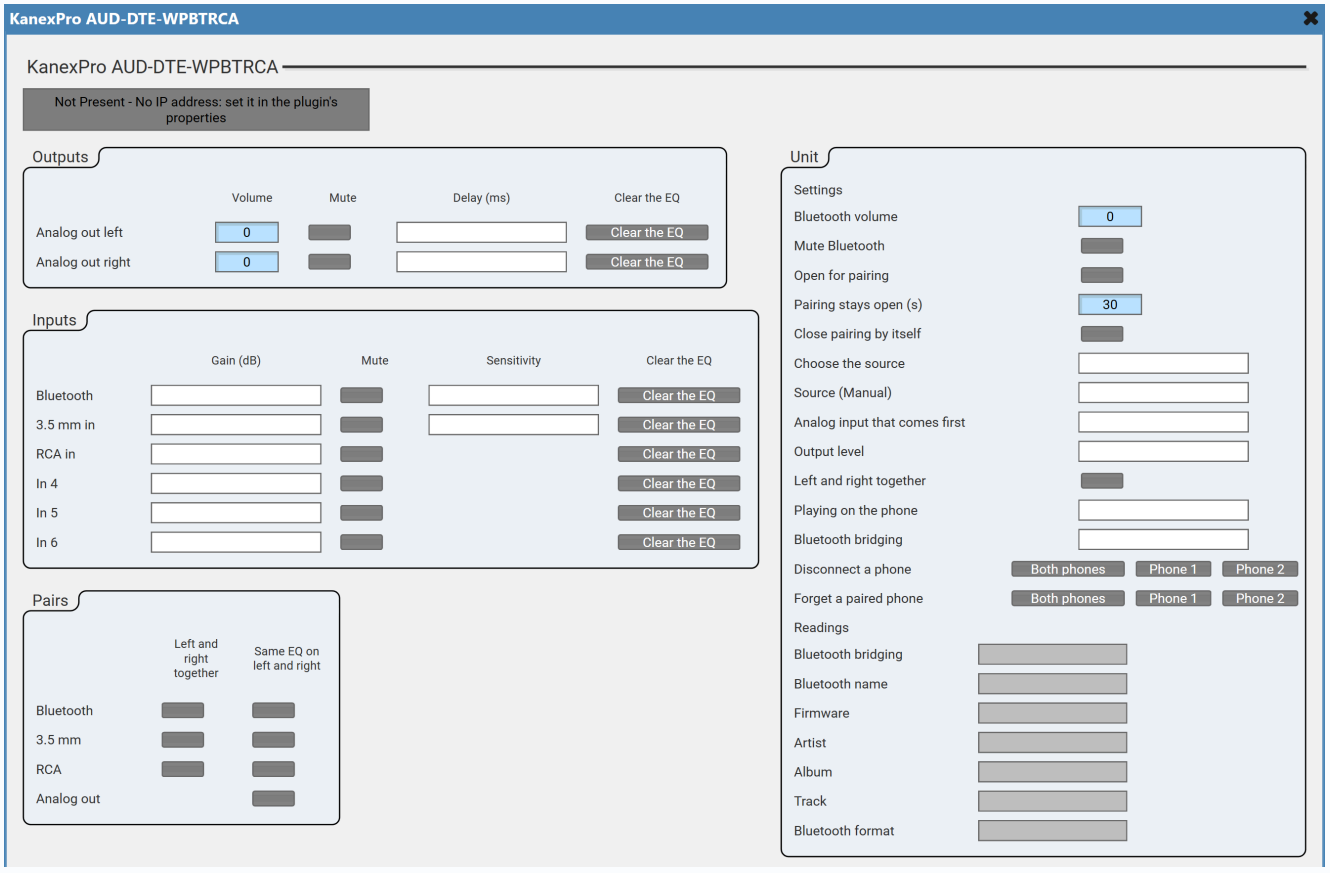
> **One plugin per unit —** for two AUD-DTE-WPBTRCA units, add the plugin twice and give each its own IP address.

4. PROPERTIES

PLUGIN PROPERTIES	
IP Address	The AUD-DTE-WPBTRCA's address on the control network. Empty by default.
Port	8000 (TCP), the unit's control port. Change it only if the unit's own web page was set to another port.

Poll Interval	How often, in seconds, the plugin reads the unit back. Default 10; 0 reads it only after a change from Q-SYS.

5. THE PLUGIN IN Q-SYS DESIGNER



The AUD-DTE-WPBTRCA plugin's control panel in Q-SYS Designer

6. CONTROLS

61 controls. Where a control is repeated for each input or output, it is listed once.

#	Control	Where	What it does
0	**Status**	the plugin	Shows whether the plugin is connected to the unit, and why not (section 7).
1	**Bluetooth volume**	the unit	Sets the bluetooth volume, from 0 to 100.
2	**Mute Bluetooth**	the unit	Turns the mute Bluetooth on or off.
3	**Open for pairing**	the unit	Turns the open for pairing on or off.
4	**Pairing stays open (s)**	the unit	Sets the pairing stays open (s), from 30 to 300.
5	**Close pairing by itself**	the unit	Turns the close pairing by itself on or off.
6	**Choose the source**	the unit	Sets the choose the source. Choices: Auto; Manual. Auto plays whatever has sound; Manual plays the one chosen below.
7	**Source (Manual)**	the unit	Sets the source (Manual). Choices: Bluetooth; 3.5 mm; RCA.
8	**Analog input that comes first**	the unit	Sets the analog input that comes first. Choices: 3.5 mm; RCA.
9	**Gain (dB)**	each input	Sets the gain (dB) on each input. Choices: -12; -11; -10; -9; -8, and 20 more.
10	**Mute**	each input	Turns the mute on or off on each input.
11	**Left and right together**	each pair	Turns the left and right together on or off on each pair.

12	**Sensitivity**	each input	Sets the sensitivity on each input. Choices: +18 dBu; +4 dBu; 0 dBu; 0 dBV; -10 dBV, and 1 more.
13	**Output level**	the unit	Sets the output level. Choices: +20 dBu; +4 dBu; 0 dBu; 0 dBV; -10 dBV.
14	**Left and right together**	the unit	Turns the left and right together on or off.
15	**Volume**	each output	Sets the volume on each output, from 0 to 100.
16	**Mute**	each output	Turns the mute on or off on each output.
17	**Delay (ms)**	each output	Sets the delay (ms) on each output. Choices: 0; 1; 2; 3; 4, and 46 more.
18	**Playing on the phone**	the unit	Sets the playing on the phone. Choices: Previous; Play / pause; Next.
19	**Bluetooth bridging**	the unit	Sets the bluetooth bridging. Choices: Call; Media; Call and media. What the phone sends: call audio, media, or both.
20	**Disconnect a phone**	buttons 1 to 3	Press to disconnect a phone.
21	**Forget a paired phone**	buttons 1 to 3	Press to forget a paired phone. The phone has to pair again to play.
22	**Clear the EQ**	buttons 1 to 6	Clears that preset.
23	**Clear the EQ**	buttons 1 to 2	Clears that preset.
24	**Same EQ on left and right**	each pair	Turns the same EQ on left and right on or off on each pair.
25	**Bluetooth bridging**	the unit	Shows the unit's bluetooth bridging.
26	**Bluetooth name**	the unit	Shows the unit's bluetooth name.
27	**Firmware**	the unit	Shows the unit's firmware.
28	**Artist**	the unit	Shows the unit's artist.
29	**Album**	the unit	Shows the unit's album.
30	**Track**	the unit	Shows the unit's track.
31	**Bluetooth format**	the unit	Shows the unit's bluetooth format.

7. STATUS

STATUS CONTROL	
OK (green)	Connected to the unit and reading it back.
Initializing (blue)	Connecting. It tries again every few seconds by itself.
Fault (red)	Not connected, with the reason: the unit does not answer, or the connection was refused or closed.
Compromised (orange)	Connected, but the unit refused the last change. The text names it. The control returns to what the unit reports at the next read.
Not Present (grey)	No IP address is set in the plugin's properties.

8. TROUBLESHOOTING

The Status control shows Fault and it does not connect.
Check the IP address: find the unit's address on its front panel or its own web page and compare it with the plugin's IP Address property. A unit on DHCP may have moved; give it a fixed address or a DHCP reservation.

The address is right, but it still does not connect.
Check the network path. The Core and the unit must reach each other: the same network or VLAN, or a route between them. From a computer on the Core's network, the unit's web page should open at its address.

Could a firewall be blocking it?
Yes. A firewall or switch ACL between the Core and the unit must allow TCP port 8000 to the unit. Also leave the Port property at 8000 unless the unit's own web page was set to another port.

It connects, but a change does not happen.

The Status control shows Compromised and names the command the unit refused. The unit may be in standby: turn it on first.

Changes made on the unit do not show in Q-SYS.
Set Poll Interval above 0. Changes made on the unit's front panel, remote or web page then show within that many seconds.