

Apantac, DA-HDTV-DANTE-Tx-UHD

Plugin Description

The APANTAC DA-HDTV-DANTE-Tx-UHD Q-SYS Plugin provides seamless integration and control of the Apantac DA-HDTV-DANTE-Tx-UHD multi-codec HDMI to Dante audio converter within the Q-SYS ecosystem. This plugin enables system integrators and AV professionals to monitor and configure the DA-HDTV-DANTE-Tx-UHD converter directly from the Q-SYS Designer interface or any custom created interface needed, eliminating the need for separate configuration tools or manual device management.

By leveraging this plugin, Q-SYS users gain centralized control over speaker layout selection and real-time status monitoring. The plugin streamlines workflow efficiency by providing live device information feedback and essential configuration controls within the familiar Q-SYS environment. This integration is particularly valuable in professional AV installations where multiple Dante-enabled devices need to be managed cohesively, such as broadcast facilities, live event venues, houses of worship, and immersive audio installations requiring support for advanced codecs like Dolby ATMOS, DTS:X, and Auro3D.

Key features

- **IP-Based Device Configuration** - Simple network integration through the IP Address field, enabling quick device connection.
- **Real-Time Connection Monitoring** - The Connection Status indicator provides instant feedback on device connectivity between Q-SYS and the converter.
- **Comprehensive Device Information Display** - Automatic retrieval and display of device parameters including Device Name, Firmware Version, and Decoder Status for quick system identification, verification and troubleshooting.
- **Speaker Layout Management** - View the Current Speaker Layout and select a Speaker Layout to match your installation's audio distribution requirements.
- **Auro3D** - Dedicated Auro3D toggle button with visual Auro3D Status indicator for enabling or disabling three-dimensional audio format processing.
- **Remote Device Reboot** - Convenient Device Reboot button enables system administrators to remotely restart the converter without physical access, facilitating troubleshooting and maintenance operations.

Use cases

- Commercial and institutional AV installations with networked audio
- Broadcast facilities using Dante audio distribution
- Live immersive audio events and productions

- Recording studios with Dante infrastructure
- Houses of worship with distributed audio systems
- Corporate conference rooms with advanced audio routing

Configuration Overview

Plugin version

This document is written for the plugin :

- Apantac DA-HDTV-DANTE-Tx-UHD 1.0.0.0

Release note

2026-02 : V1.0.0.0

- Initial release to Asset Manager

QDS compatibility

This plugin has been developed and tested on :

- Q-SYS Designer version 9.10.x / 9.12.x / 9.13.0 / 10.0.x and 10.1.x

Properties

SHOW DEBUG

Type: Boolean

When Show Debug is enabled, the "Debug Print" property becomes available. Setting this property to "Debug" displays the debug screen with verbose messages, enabling detailed troubleshooting.

Controls

Apantac DA-HDTV-DANTE-Tx-UHD 1.0.0.0

APANTAC
Version 1.0.0.0

Setup

IP Address

Status

Connection Status

OK - Connected

Device Information

Device Name

Firmware Version

Decoder Status

Controls

Current Speaker Layout

Set Speaker Layout

Auro3D ☐ Auro3D Status ☒

Device Reboot

Setup

IP Address

Text-Text Edit

Text field used to specify the IP address of the device that you want to remotely control and/or monitor. The host name can also be used to connect to the device.

Status

CONNECTION STATUS

Indicates verbose actual status of the connection between the plugin and the device.

OK : The plugin is operating normally.

Fault - [Message] : A problem has occurred, refer to message details.

DEVICE INFORMATION

Device Name

Indicator-Text

Shows the name of the connected device.

Firmware Version

Indicator-Text

Show the firmware version installed on the connected device.

Decoder Status

Indicator-Text

Shows the status of the audio decoder of the connected device. When an audio signal is present, it displays the decoding mode (e.g., Dolby Digital). When no audio is processed, it shows "No audio."

Controls

Current Speaker Layout

Indicator-Text

Show the actual speaker layout on the connected device.

Set Speaker Layout

Text-ComboBox

Shows a list of the speaker layouts currently available on the connected device. When a new speaker layout is selected in the list, the connected device switches to the new layout.

Auro3D

Button-Toggle

Button used to activate or deactivate the Auro3D feature on the connected device.

Auro3D Status

Indicator-Led

Show the status of the Auro3D signal. When an Auro3D signal is processed, the led lights up solid blue. When no Auro3D signal is being process, the led stays off.

Reboot

Button-Trigger

Button used to remotely initiate a device reboot.

Control Pins

PIN NAME	VALUE	STRING	POSITION	PINS AVAILABLE
Controls				
Auro3D	0	false	0	Input / Output
	1	true	1	
Auro3D Status	(String)			Output
Current Speaker Layout	(String)			Output
Device Reboot	(Trigger)			Input / Output
Set Speaker Layout	(String)			Output
Setup				
Device IP Address	(String)			Input / Output
Status				
Decoder Status	(String)			Output
Device Name	(String)			Output
Firmware Version	(String)			Output
Disable (*)	0 1	false true	0 1	Input / Output
Status	-	-	-	Output

(*) Use this control pin to enable or disable the plugin in your design. When Disabled is set to enabled (value of 1), the Connection Status changes to "Not Present - Disabled".

