

THEORY

Theory DLC Series Q-SYS Plugin

The following Q-SYS plugin is detailed in this document:

Theory DLC Series

which covers the following models:

DLC250.4, DLC1000.4, DLC1500.4

Prerequisites

Before configuring the plugin:

- Obtain the IP address of the DLC Series device

Configuration Overview

1. Drag the plugin into your schematic.
2. Select the model of device being controlled in the **Model** property.
3. Press F5 to save your design to the Core and run it. (Or, press F6 to emulate your design.)
4. In your schematic, double-click the plugin to open the component's control panel.
5. In the **General Settings** tab, establish a connection by entering the IP address information.

Properties

Model

Select the model of the device being controlled.

Show Debug

Enables the debug window.

Debug Mode, Debug Level and Debug Subsystems

These are shown if the debug window is enabled. They are intended to be used to gather debug information for support purposes. A member of the support team will provide you with details of what values to enter to help them solve any support issues.

Controls

For further explanation of the functions that follow, please refer to the manufacturer: <https://www.theoryaudiodesign.com/>

General Settings

Control Pin	Function	Default/Range
<u>Connection</u>		
IP Address	Type the IP address of the device the driver should connect to.	
Status	Displays the current connection status and any applicable error.	Read only

Control Pin	Function	Default/Range
<u>Status</u>		
Power Status	Current Power status description	e.g. ON, STANDBY
Power	Toggle the device power on/off	Toggle
Identify	Toggle on/off identify which will flash the lights on the device	Toggle
Signal In Status	Signal status of inputs	OFF / NO_SIGNAL / SIGNAL / CLIP
Signal Out Status	Signal status of inputs	OFF / NO_SIGNAL / SIGNAL / CLIP / FAULT
Analog 1 2 Status	Whether the inputs are acting as a stereo pair or as 2 mono inputs	Stereo or Mono/Mono
Analog 3 4 Status	Whether the inputs are acting as a stereo pair or as 2 mono inputs	Stereo or Mono/Mono
Zone A B Status	Whether the zones are acting as a stereo pair or as 2 mono zones	Stereo or Mono/Mono
Zone C D Status	Whether the zones are acting as a stereo pair or as 2 mono zones (4 zone models only)	Stereo or Mono/Mono
Analog Clip	True if signal is not clipped	Read Only
Analog Signal	Analog Input signal level in dB	-144 to 0 dB (-144 if no signal)
Zone Signal	Zone signal level in dB	-144 to 0 dB (-144 if no signal)

Routing

Control/Pin	Function	Default/Range
Zone Z ~Off	Switch off the zone	Toggle
Zone Z ~Analog A	Select analog input for a zone	Toggle
Zone Z ~S/PDIF S	Select S/PDIF input for a zone (stereo only)	Toggle
Zone Z ~Mix M	Select mix input for a zone	Toggle
Zone Z (pin only)	The currently selected input for a zone	Numeric

Note that if two zones have been combined as a stereo pair, the controls for the second zone will be hidden and disabled. Also if two analog inputs have been combined as a stereo pair, the controls for the second input will be hidden and disabled.

Volume

Control/Pin	Function	Default/Range
Volume~Output Z	Set volume for zone (note 0-100 maps to range supported by device)	0-100
Mute~Output Z	Enable or disable mute for the zone	Toggle
Volume~Ducker Z	Sets ducker mode for the zone	Off/Ducking/Priority

Note that if two zones have been combined as a stereo pair, the controls for the second zone will be hidden and disabled.

Mix

Control/Pin	Function	Default/Range
Mix M ~Analog N	Set the gain for analog input N into mix M	-60dB - 0dB or mute (shown as -61dB)
Mix M ~S/PDIF $N[R]$	Set the gain for S/PDIF channel $N[R]$ into mix M	-60dB - 0dB or mute (shown as -61dB)

Debug

If the debug window is showing, there will also be an additional Debug page giving access to the Debug properties so that they can be changed at runtime if required. Use of these values will be guided by a support representative.