

BLAZE

Blaze PowerZone Connect Series Q- SYS Plugin

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

Blaze PowerZone Connect Series

which covers the following models:

PowerZone Connect 122, PowerZone Connect 122D,
PowerZone Connect 252, PowerZone Connect 252D,
PowerZone Connect 254, PowerZone Connect 254D,
PowerZone Connect 504, PowerZone Connect 504D,
PowerZone Connect 508, PowerZone Connect 1002,
PowerZone Connect 1002D, PowerZone Connect 1008,
PowerZone Connect 1502, PowerZone Connect 1502D,

PowerZone Connect 2004, PowerZone Connect 2004D,
PowerZone Connect 3004, PowerZone Connect 3004D,
PowerZone Connect 4008, PowerZone Connect 6008

Prerequisites

Before configuring the plugin:

- Obtain the IP address of the PowerZone Connect 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://blaze-audio.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 | Toggle |

| | | |
|-------------------|---|---|
| | flash the lights on the device | |
| 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 x-y Status | Whether the inputs x, y are acting as a stereo pair or as 2 mono inputs | Stereo or Mono/Mono |
| Zone X-Y Status | Whether the zones X, Y are acting as a stereo pair or as 2 mono zones | 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 <i>Z</i> ~Off | Switch off the zone | Toggle |
| Zone <i>Z</i> ~Analog <i>A</i> | Select analog input for a zone | Toggle |
| Zone <i>Z</i> ~Dante <i>D</i> | Select Dante input for a zone (dante models only) | Toggle |
| Zone <i>Z</i> ~S/PDIF <i>S</i> | Select S/PDIF input for a zone (stereo only) | Toggle |
| Zone <i>Z</i> ~Mix <i>M</i> | Select mix input for a zone | Toggle |
| Zone <i>Z</i> (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 <i>Z</i> | Set volume for zone (note 0-100 maps to range supported by device) | 0-100 |
| Mute~Output <i>Z</i> | Enable or disable mute for the zone | Toggle |
| Volume~Ducker <i>Z</i> | 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 <i>M</i> ~Analog <i>N</i> | Set the gain for analog input <i>N</i> into mix <i>M</i> | -60dB - 0dB or mute (shown as -61dB) |
| Mix <i>M</i> ~S/PDIF <i>N</i> [<i>R</i>] | Set the gain for S/PDIF channel <i>N</i> [<i>R</i>] into mix <i>M</i> | -60dB - 0dB or mute (shown as -61dB) |
| Mix <i>M</i> ~Dante <i>N</i> | Set the gain for Dante input <i>N</i> into mix <i>M</i> (dante models only) | -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.