

tvONE CALICO Series Crestron Driver

Release Notes

Category: Video Processor

Current version: 4.0.1.1

Crestron hardware required: Any ethernet-enabled series 4 processor

Vendor firmware: 1.1.0.7

Vendor setup: The device should be installed, configured and tested according to tvONE documentation prior to integration with this driver.

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Introduction

This driver has been designed to provide control of the tvONE CALICO Series via IP.

The following models are supported:

CALICO

This document will assist Crestron programmers and installers with the integration of these modules into their program.

The modules have been provided as Simpl+ modules (.usp and .ush) embedded in a Simpl Windows module (.umc). A demo file has also been provided in .smw format to allow for easy copy and paste integration into your project.

A touch panel file has been provided for X-Panels. This is purely for demonstration / evaluation of the modules, and is not intended for direct integration into your project.

Features

The following features are supported:

- Preset Recall
- Window Source Selection
- Canvas Volume Control
- Canvas Mute Control

Device Configuration

Configure your device as per the manufacturer's instructions. To find a copy of the user manual for your device, select your model from the manufacturer's website here: <https://tvone.com/products/10bit-color-video-processors>

Ensure that the device is online and on the same network as the Crestron processor, and has been configured correctly using tvONE CALICO Studio software, including configuration of slots, input maps, windows, presets and canvases.

Driver Installation and Configuration

In SIMPL Windows, click File > Open and navigate to your .smw program file. The module should appear in your **Program View**.

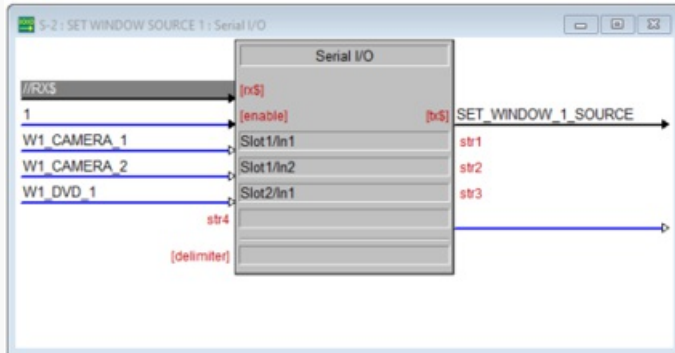
Select **Central Control Module** in the **Program View**, then click the **Configure** button in the toolbar to select the model of your Crestron processor.

To configure the driver, navigate to the .umc files.

Enter the IP address, username and password and whether to use HTTP or HTTPS in the driver parameters. This is the same information used when launching the CALICO Studio software and double clicking a discovered device to login. If the driver fails to connect, first ensure that your device and the Crestron processor are both connected to the same network. If this does not resolve the issue, consult the manual provided by tvONE.

Using the Modules In Your Program

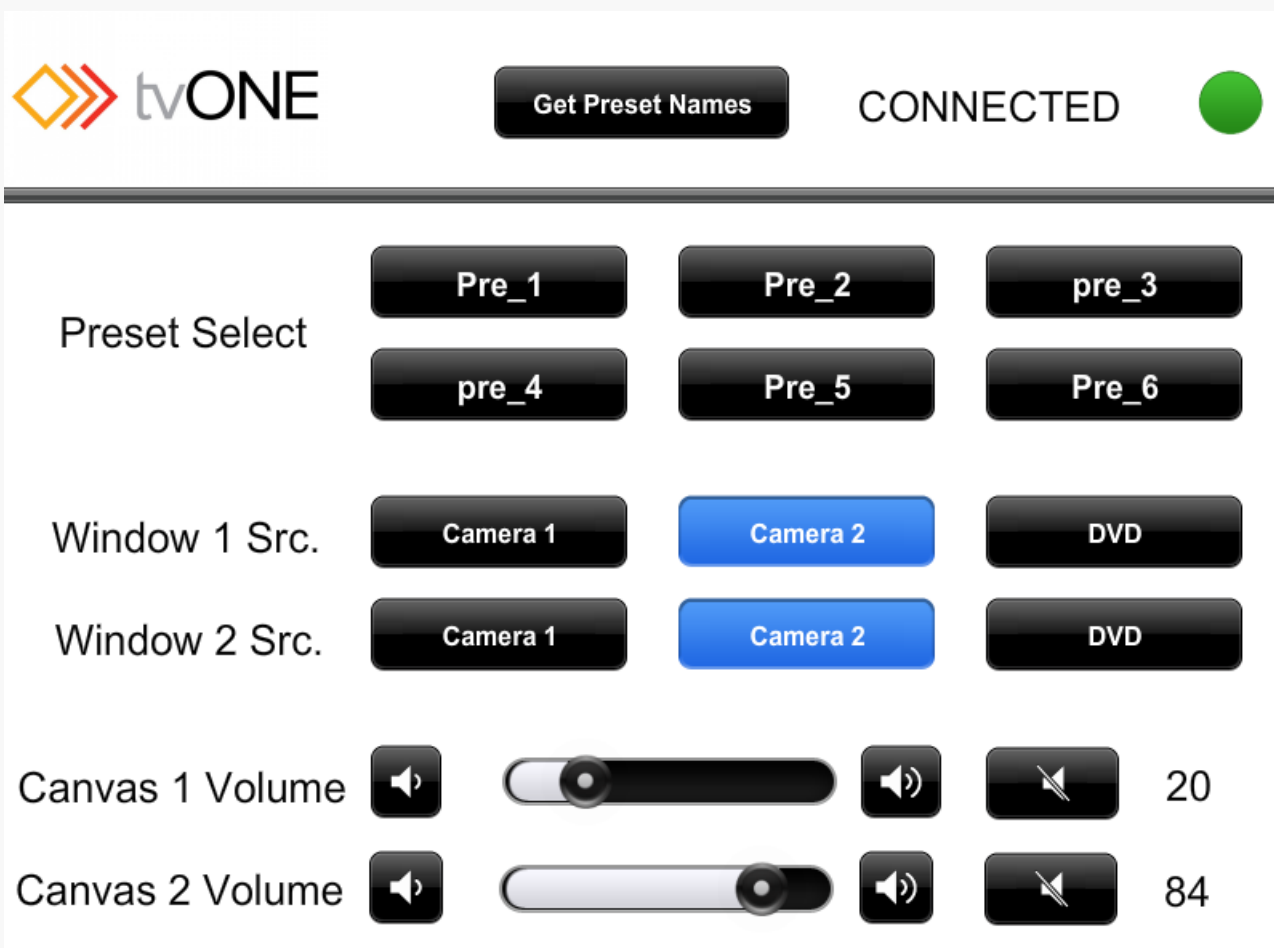
This example shows how to use a Serial I/O logic symbol to pass commands to the module in order to select the source for Window 1 from a set of inputs.



If using input maps, an example string would be Slot6/In2/Maps/Map32

Testing the Modules Using the Supplied Test Harness

The supplied test harness, including an X-Panel file, may be used to test the modules.



Module Arguments

Parameters

IP Address

- Which IP address to use when opening a control connection to the CALICO Series.
- Default: 192.168.2.100

Username

- CALICO Series username
- Default: admin

Password

- CALICO Series password
- Default: adminpw

HTTP or HTTPS

- HTTP Connection Method to the CALICO Series
- Default: HTTP

NoPresets

- Number of presets the module should poll for

Inputs

DIGITAL_INPUT LOAD_PRESET_x

- Pulse to recall preset x.

STRING_INPUT SET_WINDOW_x_SOURCE

- Select which source to route to window x.
- Examples:
 - Slot1/In1 means Slot1 In1
 - Slot2/In 4 means Slot 2 In 4
 - Slot6/In2/Maps/Map32 means Slot 6 In 2 Map 32

DIGITAL_INPUT [Volume_Up_x]

- Increments canvas x Volume by 5

DIGITAL_INPUT [Volume_Down_x]

- Decrements canvas x Volume by 5

ANALOG_INPUT [Volume_Set_x]

- Set the canvas x volume directly to a level between 0 and 100.

ANALOG_INPUT [Analog_Volume_Set_x]

- Set the canvas x analog volume directly to a level between 0 and 65535.

DIGITAL_INPUT [Mute_On_x]

- Turn canvas x mute on

DIGITAL_INPUT [Mute_Off_x]

- Turn canvas x mute off

DIGITAL_INPUT [Mute_Toggle_x]

- Toggle canvas x mute

DIGITAL_INPUT [GET_PRESET_NAMES]

- This gets the preset names from the unit. Please note that this may take some time.

Outputs

DIGITAL_OUTPUT [ISOK]

- Connection State of unit.

STRING_OUTPUT [CURRENTSTATUS]

- Text of connection status.

STRING_OUTPUT [PRESET_NAME_x]

- Provides access to the name assigned to each preset. This might be used as an indirect text source for a button, showing the name of a preset.

STRING_OUTPUT [WINDOW_x_SOURCE]

- Which source is routed to window x.
- Examples:
 - Slot1/In1 means Slot1 In1
 - Slot2/In 4 means Slot 2 In 4
 - Slot6/In2/Maps/Map32 means Slot 6 In 2 Map 32

ANALOG_OUTPUT [Volume_x]

- The current volume level of canvas x between 0 and 100

ANALOG_OUTPUT [Analog_volume_x]

- The current analog volume level of canvas x between 0 and 65535

ANALOG_OUTPUT [Preset_x]

- The current preset number on canvas x.

DIGITAL_OUTPUT [isMuted_x]

- The mute state of canvas x.

DIGITAL_OUTPUT [WINDOW_x_IS_SWITCHABLE]

- Whether window x is switchable

Troubleshooting

- Check the IP_Address, HTTP connection Type, Username and Password fields are all correctly entered in the module properties.
- Ensure the CALICO Series is connected to the same LAN as the Crestron processor.

Disclaimer of Liability

The company shall not be liable for any issues, damages, or costs that may arise from the use of our driver software. While we strive to ensure that all versions of our driver are backward compatible, we cannot guarantee that this will always be the case. Users are advised to thoroughly test the driver in their specific environments and configurations before deployment to ensure compatibility and proper functionality. The company makes every effort to provide a reliable and functional product, but the driver is provided “as is” without warranties of any kind, either express or implied. The user assumes full responsibility for any loss, damage, or disruption caused using our driver, including, but not limited to, hardware malfunctions, data loss, or system failures. By using our driver, you acknowledge that you have read and understood this disclaimer, and you agree to release and hold harmless the company from any and all liabilities associated with its use.

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