



Crestron modules for tvONE C2-2855 Video Scaler Switcher

Integration Guide

1 - Summary

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

The modules were designed to control the C2-2855 Video Scaler Switcher.

2 - Resources and Assumptions

2.1 - Supported Systems

The modules have been designed for Crestron Series-2 and Series-3 processors with Ethernet capability. An X-Panel layout is provided. This panel is not intended for end users, but is provided so that all features of the modules can be demonstrated and exercised.

2.2 - Software and Firmware

This modules were developed using the following firmware and software versions. Ensure you are using the same version or newer.

- Series 2 Processor Firmware – 4.003.0015
- Simpl Windows – 4.02.08
- Simpl+ - 4.02.07
- Simpl+ Cross Compiler – 1.3
- Vision Tools Pro-e – 5.1.19
- C2-2855 Firmware - 484

2.3 - Assumptions

It is assumed that you already have a good understanding of Crestron Programming and Integration. Knowledge of TCP/IP networking would also be beneficial.

It is assumed that the C2-2855 is installed and functioning correctly, is on the same LAN as the Crestron processor, and is configured with any required presets.

3 - Crestron Modules

3.1 - Module Format

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.

3.2 - Features

- Device Reset
- Preset Recall
- Window Source Selection

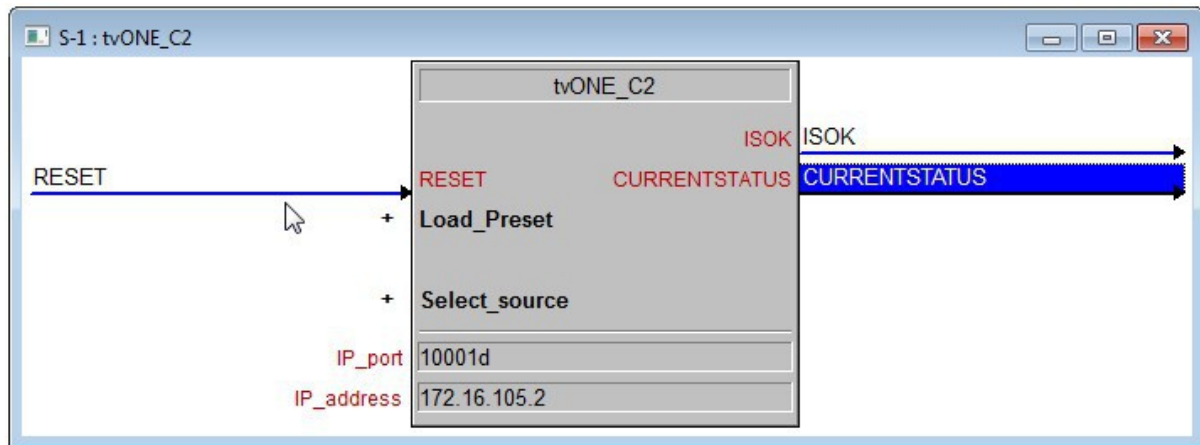
3.3 - Using the modules in your program

Save the UMC, USP and USH files in your project folder. Perform a re-sync. Add the UMC into your program. Configure as detailed below.

3.4 - Testing the modules using the supplied test harness

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

4 - Module



4.1 - Parameters

IP_port

On which port the C2-2855 listens for a control connection.

Default: 10001

IP_address

Current IP address of the C2-2855

Default: 192.168.2.100

4.1.2 - Input types

DIGITAL_INPUT RESET

Pulse to Reset the unit.

DIGITAL_INPUT LOADPRESET_01 to LOADPRESET_10

Pulse to recall the specified Preset.

DIGITAL_INPUT SELECT_XXX

Pulse to select the specified source.

4.1.3 - Output types

DIGITAL_OUTPUT ISOK

True if the driver is ok, and able to send commands to the device. Otherwise false.

STRING_OUTPUT CURRENTSTATUS

Human-readable description of the current status of the driver.

5 - Troubleshooting and tips

5.1 - Driver can't connect to device

- Check that the IP address and IP port are configured correctly.
- Check that nothing else is connected to the device's control port, such as the Windows configuration software.