Crestron modules for

tvONE CORIOmaster

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 CORIOmaster and CORIOmaster mini video wall processors.

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.

    CORIOmax Firmware - V1.300B34.P4 Scaling Matrix
    Crestron 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

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 CORIOmaster is installed and functioning correctly, is on the same LAN as the Crestron processor, and is configured with required Presets and Macros.

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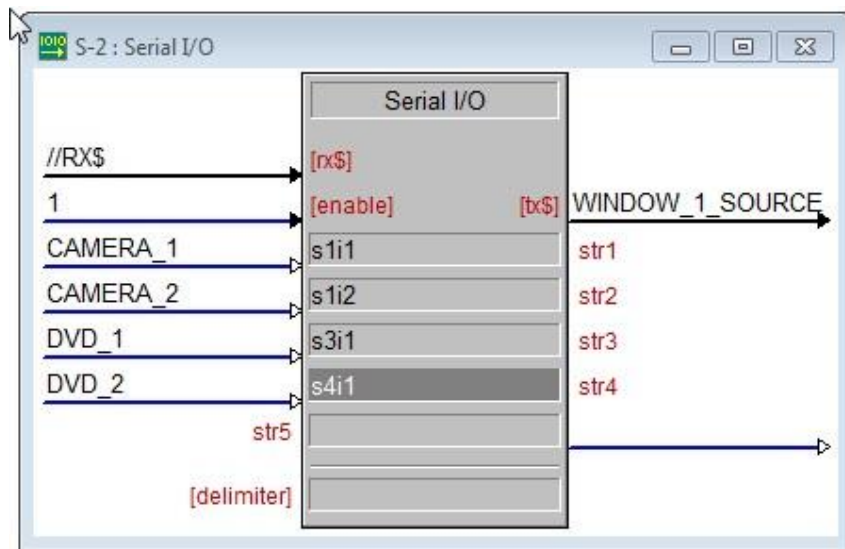
A touch panel file has been provided for X-Panels. This is purely for demonstration / evaluation of the modules, and is not intended for direct integration into your project.

3.2 – Features

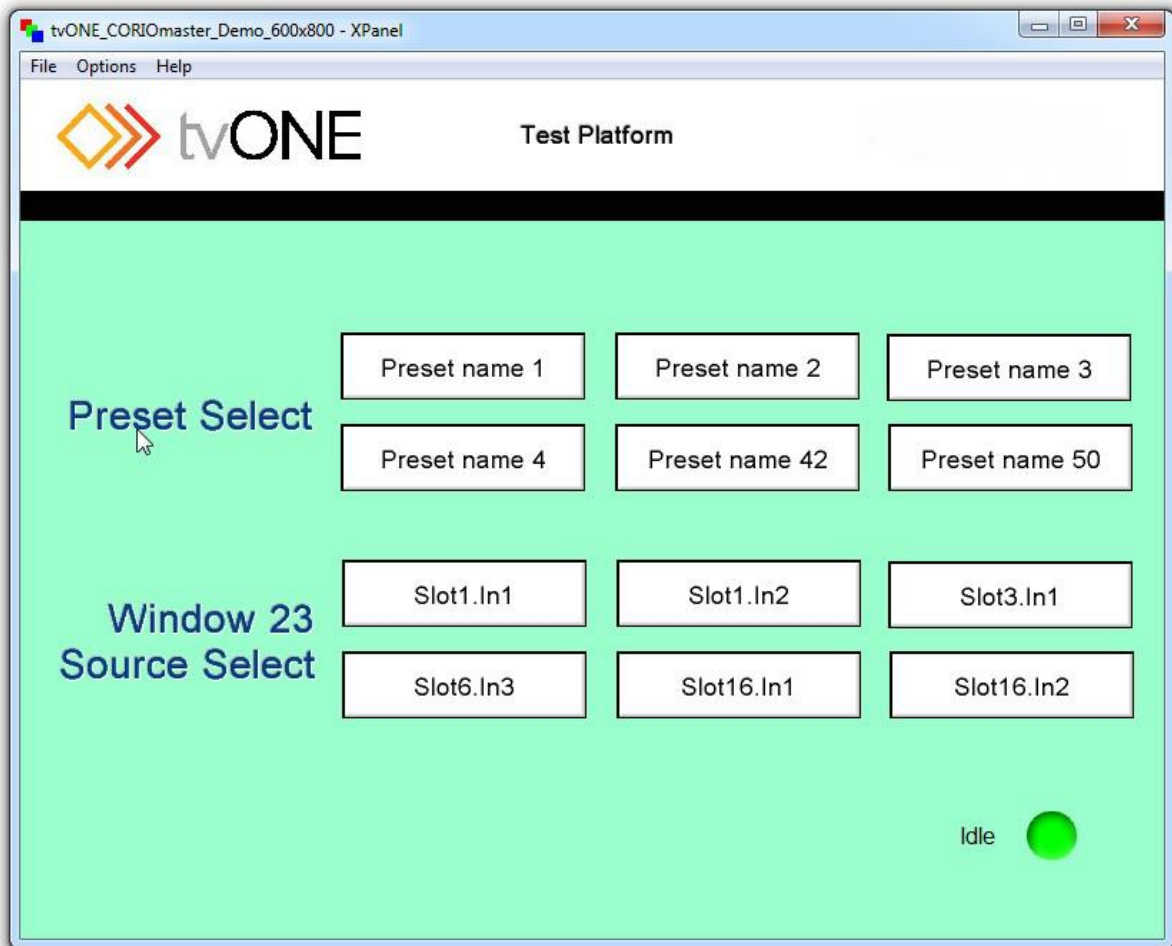   Preset Recall
    Window Source Selection

3.3 – 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.
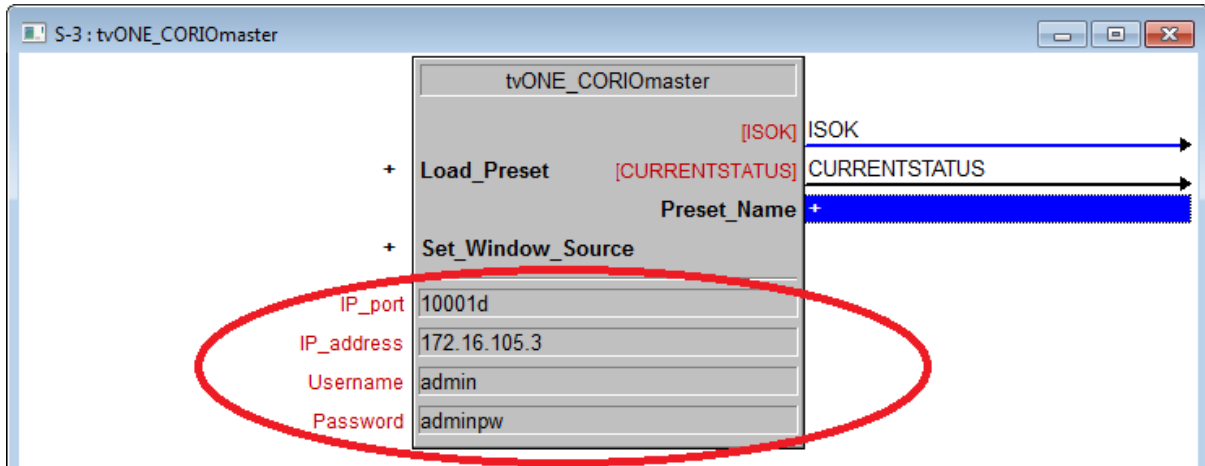
3.4 – Testing the modules using the supplied test harness

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

4 – Module Arguments

4.1 – Parameters

IP_Port

Which IP port to use when opening a control connection to the CORIOmaster.

Default: 10001

IP_Address

Which IP address to use when opening a control connection to the CORIOmaster.
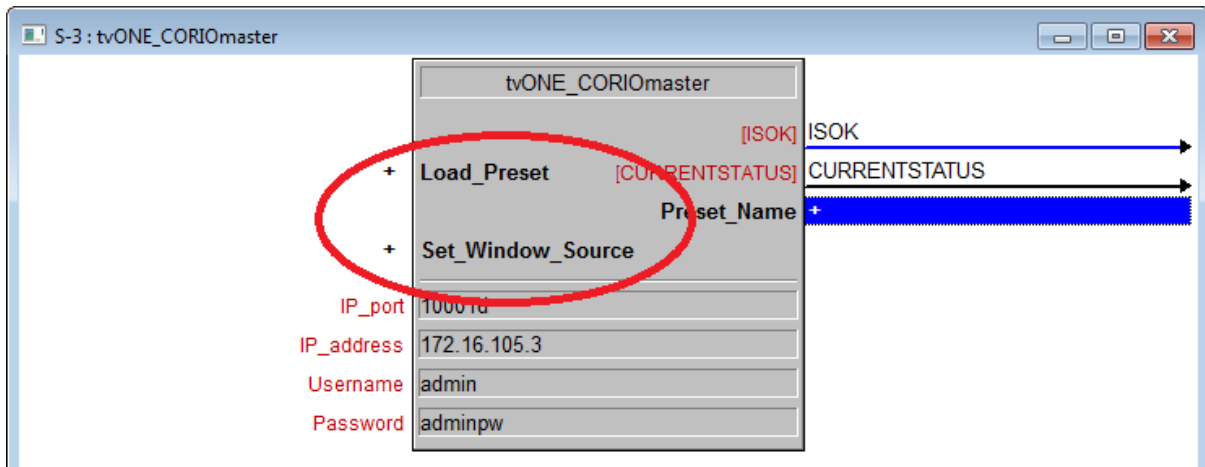
Default: 192.168.2.100

Username

CORIOmaster username

Default: admin

Password

CORIOmaster password

Default: adminpw

4.1.2 – Input types

DIGITAL_INPUT   LOAD_PRESET_1 to LOAD_PRESET_50
Pulse to recall the specified Preset.

STRING_INPUT   SET_WINDOW_1_SOURCE to SET_WINDOW_56_SOURCE
Select which source is routed to a window.
Examples:
    s1i1 means Slot1.In1
    s16i4 means Slot16.In4

4.1.3 – Output types

STRING_OUTPUT   PRESET_NAME_1 to PRESET_NAME_50
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.

5 – Troubleshooting and tips

5.1 – No Connection

Check the IP_Address, IP_Port, Username and Password fields are all correctly entered in the module properties.

Ensure the CORIOmaster is connected to the same LAN as the Crestron processor.

The CORIOmaster allows only one TCP/IP connection at a time. Ensure no other applications are currently connected.