INTRODUCTION

Crestron® driver for LivePremier™ series v4.0

by

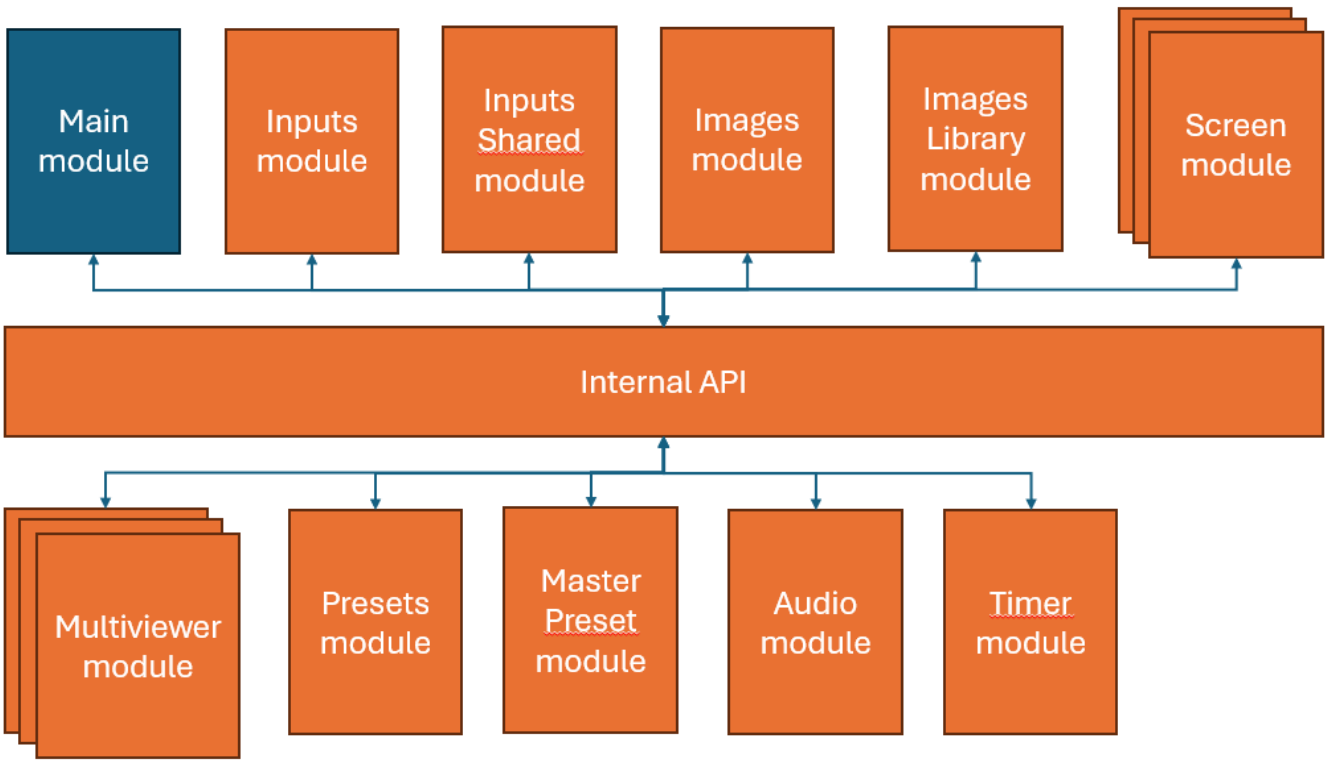
TECHNIDREAM
LA MAÎTRISE DES TECHNOLOGIES CONNECTÉES

ANALOG WAY®

Description

The **Crestron driver for the LivePremier™** series allows developers to remotely control the standard features of any LivePremier™ live presentation switcher from any Crestron 3-Series or 4-series control system. The driver provides several functional modules (**Main** module is required; the others are optional) that can be combined according to your needs. You can load the examples provided to see how they are structured/built.

Driver Modularity



Package content

The package contains the following components:

- The modular Crestron driver for the LivePremier™ series
- A simple example SIMPL+® program and XPanel project, that demonstrates the different features supported by the driver in the context of a **single LivePremier configuration**
- A more complex SIMPL+® program and XPanel project, that demonstrates the different features supported by the driver in the context of a **Linked LivePremier configuration**
- Help files in English

Key features

- Recall Screen/Aux Presets or Master Presets
- Display live sources and still image sources with dynamic snapshots and properties
- Change the background of a Screen or the source displayed in a layer
- Change the source displayed by an auxiliary output
- Transitioning the Preview content to the Program
- Configure multiviewer output(s) widget sources
- Recall multiviewer presets
- Route de-embedded audio channels or Dante input audio channels to video outputs
- Control built-in timers
- Control device (reboot, shutdown, sleep or wake over LAN)

Requirements

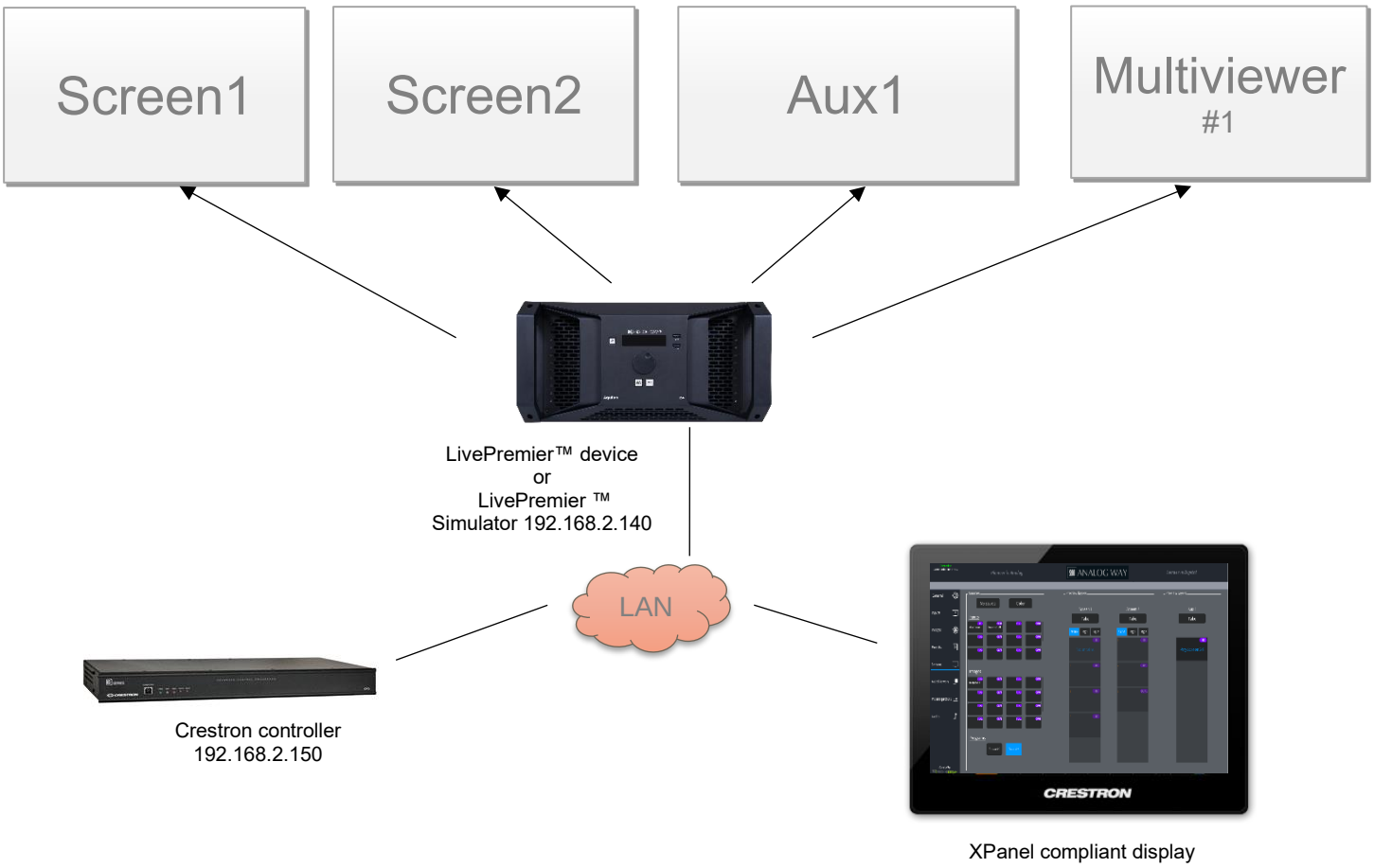
- Any Analog Way LivePremier™ live presentation switcher or the LivePremier™ Simulator
- A 3-series or 4-series Crestron processor with Ethernet connection
- Any Crestron XPanel compliant display

Recommended software versions

Software	Versions
LivePremier™ firmware	4.0.x or above
or	
LivePremier™ Simulator	4.0.x or above
SIMPL Windows	4.11.06 or above
VTPro-e	6.2.00.03 or above
Smart Graphics™	2.15.04.00 or above
Device database	200.05.001.00 or above
Crestron database	201.00.004.00 or above
Simlp+ cross compiler	1.3 or above

Example 1 (single device): Configuration and settings

The first example provided within the package has been designed to control a single LivePremier™ live presentation switcher with two Screens (Screen 1 and Screen 2), one Auxiliary output (Aux 1) and one Multiviewer (out #1). Before running this sample, please make sure your configuration (as well as the IP addresses) matches the diagram below:



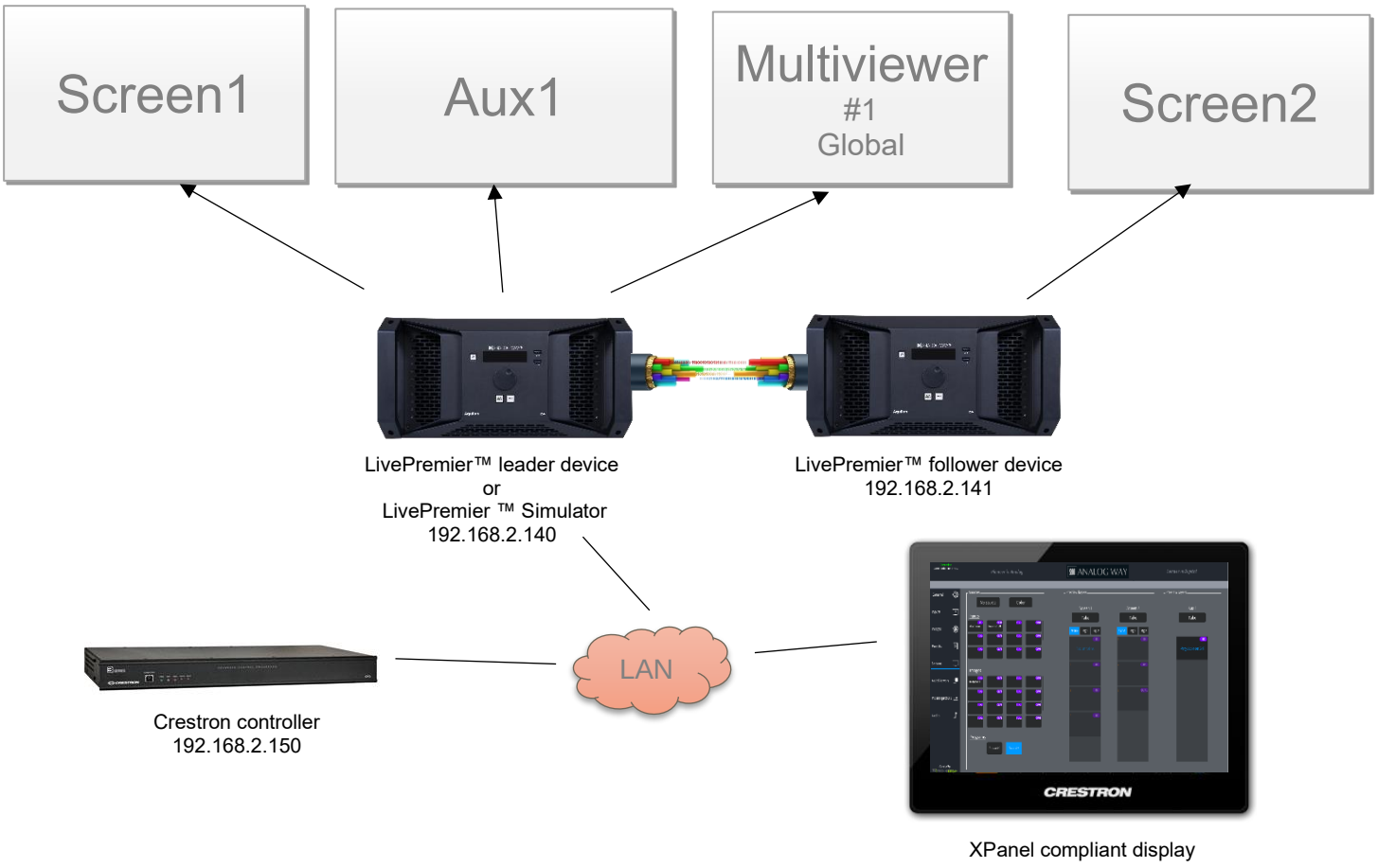
The example also uses few screen presets and master presets that should be created with the Web RCS before running it:

- 10 presets common to both screens and auxiliary outputs
- Screen 1 and Screen 2 contain 4 layers
- Aux 1 can be used to display screen programs (scaled)
- Multiviewer 1 is used to preview sources, images or screens program (10 widgets can be controlled by the demo application)

Of course, you can reuse this example as much as necessary to implement your own solution.

Example 2 (Linked devices): Configuration and settings

The second example provided within the package has been designed to control two LivePremier™ live presentation switchers in a linked configuration. The Leader device has one screen (Screen 1), one Auxiliary output (Aux 1) and one Global Multiviewer (out #1). The Follower device has one screen (Screen 2). Before running this sample, please make sure your configuration (as well as the IP addresses) matches the diagram below:



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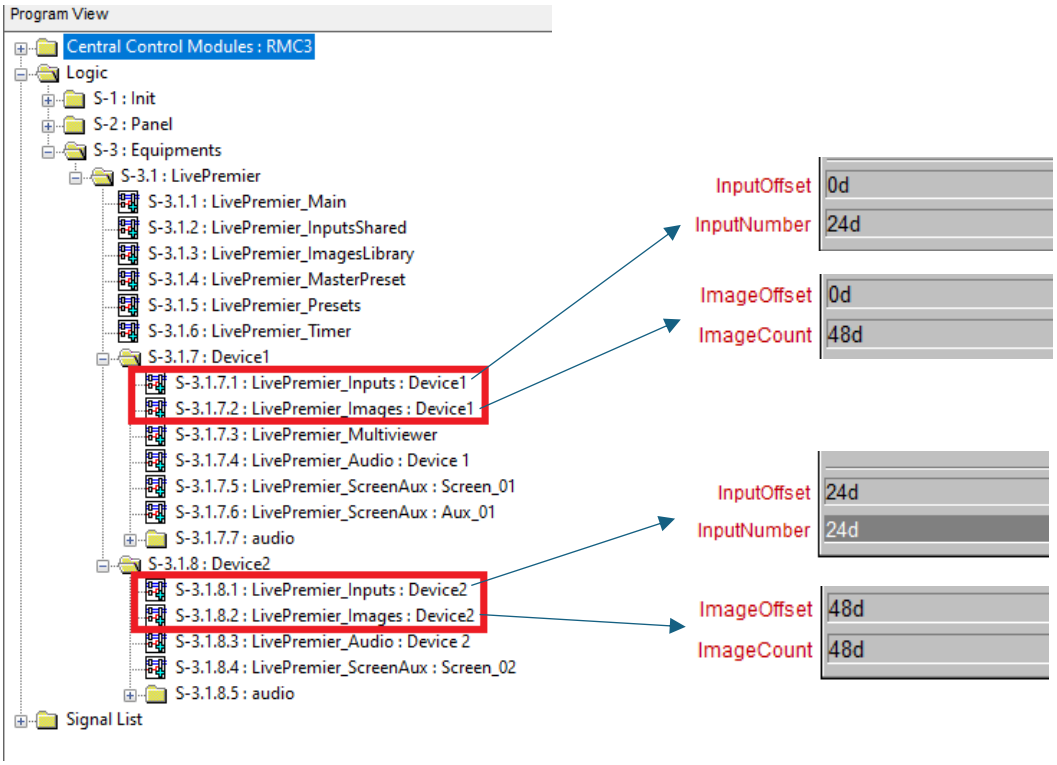
- Multiviewer 1 is used to preview sources, images or screens program (10 widgets can be controlled by the demo application)

Of course, you can reuse this example as much as necessary to implement your own solution.

This example assumes that the two LivePremier™ devices are each based on a 5U chassis with 24 inputs and 2 IPUs (48 still images). This is important for the linear numbering of inputs in the linked system. This example also assumes that some inputs are global (shared) and that the first 10 still images of the leader device are also global.

If this is not the case, you'll need to make a few modifications to the example program, in particular to the **InputNumber** and **InputOffset** parameters of the Inputs module of Device1 and Device2, as well as to the **ImageCount** and **ImageOffset** parameters of the Images module of Device1 and Device2.

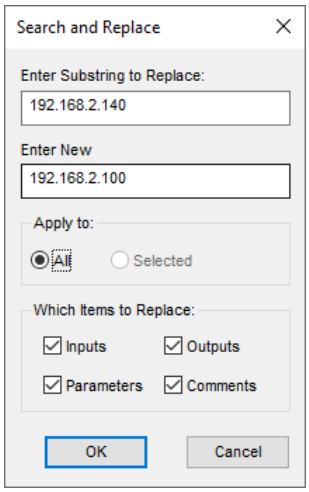


Customize the IP address of the LivePremier™ device

Before running the demo program to control your own LivePremier™ live presentation switcher or your LivePremier™ Simulator, it is important to customize some settings regarding the LivePremier™ device that will be controlled (or the leader device for linked configurations):

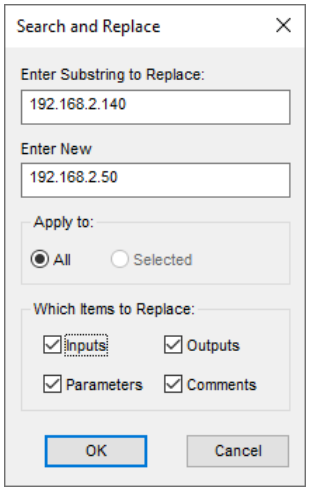
- Open the LivePremier™ SIMPL demo program *(LivePremierCrestronDemo.smw or LivePremierCrestronDemo_LINK.smw).*

- If the program will control a real LivePremier™ device, then select the *S-1: Init* folder and press F9 to replace the default IP address (192.168.2.140) with your LivePremier™ device IP address (ex. 192.168.2.100):

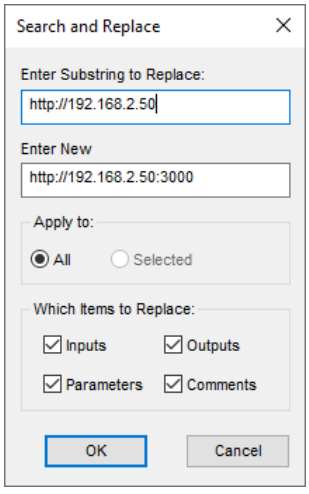


Then go to end of the first module *S-1.1 : Multiple Serial Send* and modify the default LivePremier™ MAC address with the one from your LivePremier™ device (for ex. 80:1F:12:40:59:CE).

- On the contrary, if you plan to control the LivePremier™ Simulator instead of a real LivePremier™ device, then select the *S-1: Init* folder and press F9 to replace the default IP address (192.168.2.140) with the IP address of the computer running the LivePremier™ Simulator (for ex. 192.168.2.50):



Press F9 again to replace the default LivePremier™ device access URL (http://192.168.2.140) by the LivePremier™ Simulator access URL available on TCP port 3000 (for example http://192.168.2.50:3000):



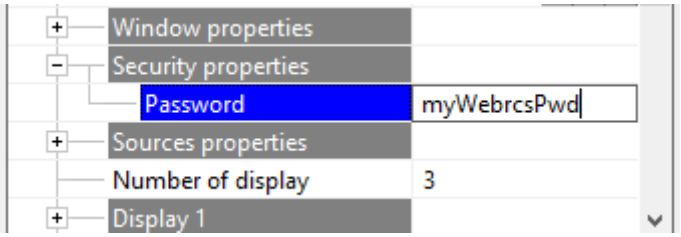
Then go to end of the first module *S-1.1 : Multiple Serial Send* and modify the default LivePremier™ MAC address by the one from the LivePremier Simulator (always 11-22-33-44-55-66).

- Recompile and upload the program on a Crestron controller.

Do not forget to update the connection parameters when launching the demo Xpanel to access your Crestron controller. By default, the Xpanel application will try to connect on 192.168.2.150.

Authentication

When authentication is enabled in WebRCS, it is necessary to add the new password in each **AW VideoCompositor** in the VTPro-e project, so as to be able to retrieve snapshots and images.



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