

# INTRODUCTION

## AW VideoCompositor For LivePremier™

V2.00

*Developed by*



**ANALOG WAY®**  
*Pioneer in Analog, Leader in Digital*

## Description

**AW VideoCompositor for LivePremier™** allows developers to control with minimal programming the advanced features of any LivePremier™ presentation system and build innovative solutions using a single Crestron® touchscreen.

**AW VideoCompositor for LivePremier™** provides outstanding functionalities including visualization in real time of the whole scene with layer positions, display of sources snapshots refreshed automatically, layer source management through drag and drop, capability to change position and size of a layer with the flick of a finger, multiviewer mosaic configuration, etc.

## Package content

The package contains the following components:

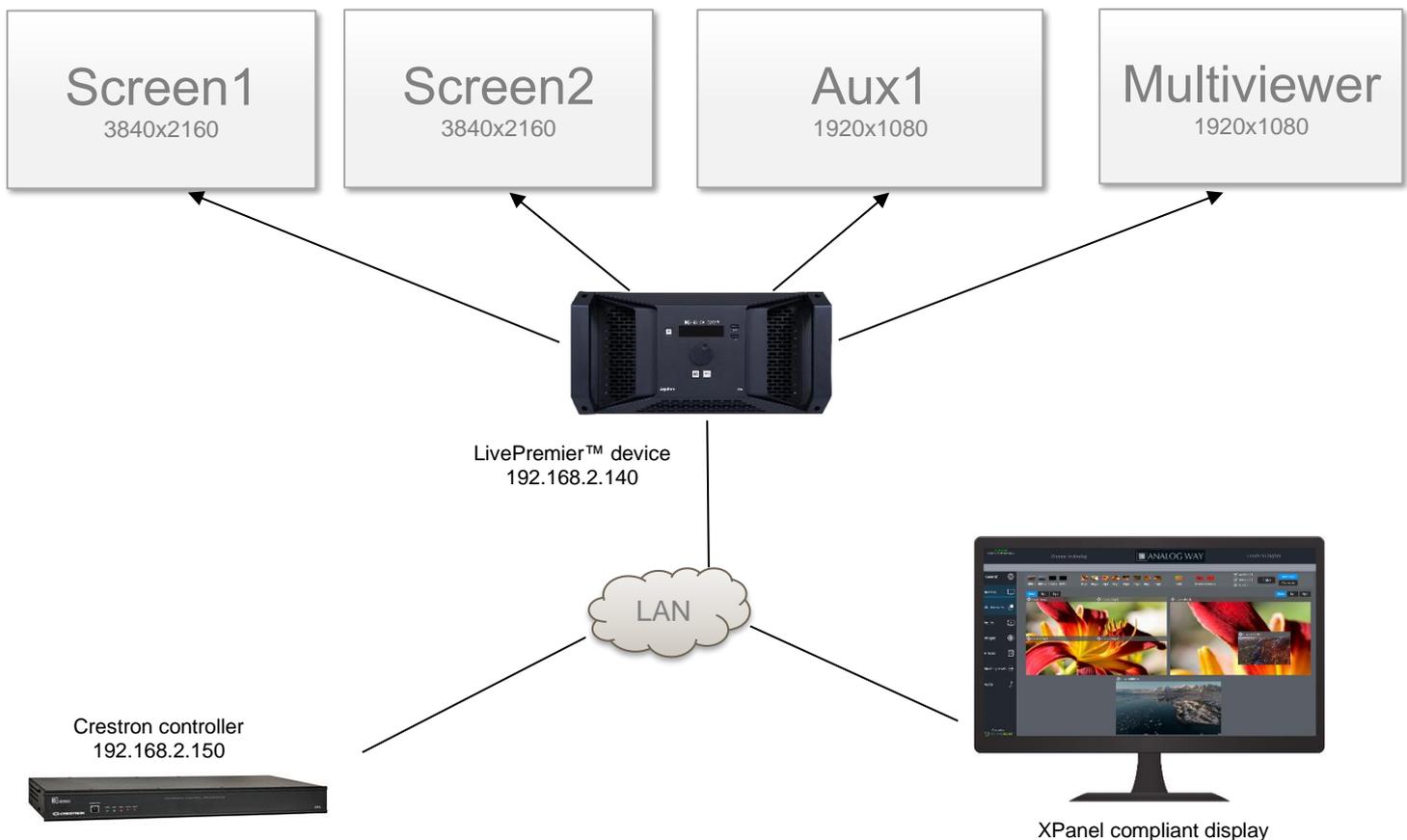
- The Smart Graphics™ module. It can be installed easily via the Windows setup application provided: **AW\_SmartGraphicsPackage\_5.0.0\_setup.exe**
- The modular Crestron driver for the LivePremier™ series
- A SIMPL+® example program that demonstrates the features supported by the driver
- A XPanel project running with the SIMPL+® sample program provided
- Help files in English

## Key features

- Visualize your screens/aux with layers size and position (PRG or PRW)
- **Manage multiple screens and/or auxiliary outputs using only one source list**
- Use the touchscreen to resize or adjust layer position
- Visualize live sources with their dynamic thumbnail
- 2 modes for source selection: drag & drop or select & click
- Control built-in timers
- Recall Screen Presets, Master Presets or Layer Presets and start seamless transitions
- Change screen background instantly
- Configure the multiviewer outputs mosaic with a simple flick of the finger
- Route de-embedded audio channels or Dante input audio channels to your video outputs
- The Video Compositing Smart Graphics™ module can be customized to match the look and feel of your application
- The Video Compositing Smart Graphics™ module can be configured to match your exact screens configuration (pixel canvas, layers, ...)
- Compatible with 3-Series Crestron® control systems with Ethernet connection
- Compatible with any LivePremier™ live presentation switcher (Aquila RS alpha, Aquila RS1, Aquila RS2, Aquila RS3, Aquila RS4, Aquila C and Aquila C+)
- ...

## Demo application: configuration and settings

The example provided within the package has been designed to control a LivePremier™ live presentation switcher with two 4K Program screens (Screen 1 and Screen 2), one 1080p Auxiliary output (Aux 1) and one 1080p Multiviewer (out #1). Before running this example, 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 contains 2 layers and can be used to display inputs, images or 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 configuration customization

Before running the demo program to control your own LivePremier™ live presentation switcher, it is strongly advised to customize information about the LivePremier device that will be controlled.

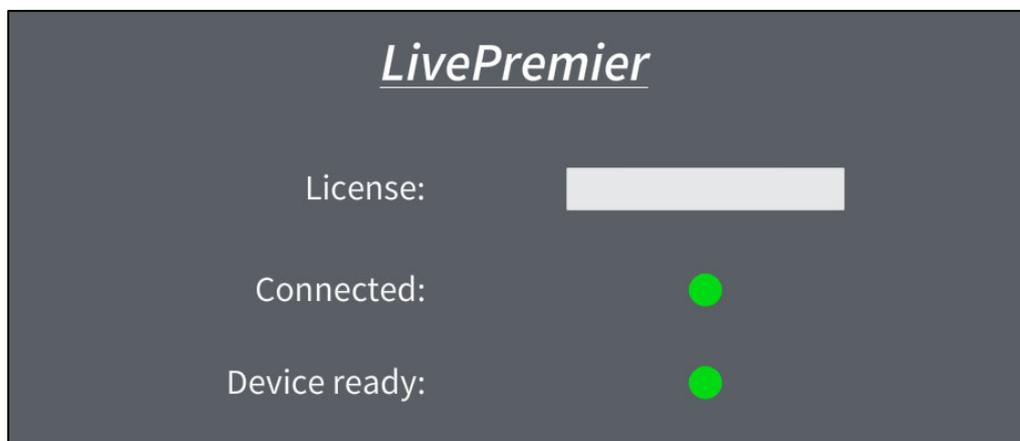
Program modifications:

- Open the LivePremier™ SIMPL demo program (*LivePremierCrestron\_VC\_Demo.smw*)
- Select the *Init* folder and use F9 to replace the default IP address (192.168.2.140) with your LivePremier™ device IP address.
- Go to end of the first module *S-1.1 : Multiple Serial Send* and modify if needed the LivePremier **MAC address**, the **License** token as well as the IP address included in the URL used to read the live source thumbnails *Device\_Snapshot\_Prefix\_Txt*.
- 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.

## License

Before using **AW VideoCompositor for LivePremier™** you need to purchase a license. For pricing information, please contact your Analog Way sales representative or reseller. The license key can be entered on the main page of the XPanel example main page:



You can also set the license string directly into the Crestron driver (module LivePremier\_Main parameter).

## Requirements

- Any Analog Way LivePremier™ live presentation switcher
- A 3-series Crestron processor with Ethernet connection

- A Smart Graphics™ compliant panel such as TSX Series (TSW, TST, ...), TSD2020, TPMC-V Series (V12, V15, V24), DGE-1, DGE-2, Smart Graphics™ XPanel and Web XPanel, windows surface pro (windows 8.1 with adobe air 3.5). Apple iPad, Apple iPhone and Android are not supported yet  
**Note:** Due to limited performances, TSX panels are not recommended to handle a large number of layers, especially if dynamic snapshots are required in the user interface.

## Recommended software versions

Software	Versions
LivePremier™ firmware	2.00.231 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	107.00.001 or above (not compatible with database > 200)
Crestron database	81.05.001.00 or above (not compatible with database > 200)
Simlp+ cross compiler	1.3 or above

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