Control Programming LLC

Release Notes

CPLLC Virtual Flat Panel Display

Version 5.00 · November 13, 2026

Product	CPLLC Virtual Flat Panel Display (Crestron Home extension)
Version	5.00
Release date	November 13, 2026
Where to find it	Drivers › Flat Panel Display › Control Programming LLC › Virtual Flat Panel Display
Requires	Crestron Home OS 4.12 or later
Licensing	A Virtual Flat Panel Display license key (cpllc.net/product/sdk-virtual-flat-panel-display) or a CPLLC site license key (cpllc.net/product/site-license), entered in the extension's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC Virtual Flat Panel Display is a TV with no hardware behind it. Crestron Home treats it as a Flat Panel Display: it turns on and off, switches between its HDMI inputs, and has a volume and mute, all from Crestron Home's own controls, scenes and sequences. The driver keeps its state, so a room can have a display to route sources to and to use in sequences without a real TV wired to the system.

Capabilities

Capability	What it does
Power	On, off and toggle from Crestron Home, with the power state it reports (On or Off).
Inputs	HDMI 1 up to the installer's Number of Inputs (1 to 6); selecting one routes its picture and sound to the screen. It starts on HDMI 1.

Capability	What it does
Volume and mute	Volume as a level from 0 to 100% in 2% steps (up, down, or a level), mute, unmute and toggle mute. Volume up or down also unmutes.
Live debug	Debug output turns on and off while the processor runs.

What's New in 5.00

- Installing asks one page fewer: the closing "CPLLC License Manager" page is gone, since the License Manager is not required. A copy that is already installed keeps the page in its settings; nothing else changes on an upgrade.
- First release: a Flat Panel Display built on the Crestron Home device model (Entity Model), which Crestron Home 4.12 and later controls with its own controls.
- Works with Crestron Home's routing: wired in Configure Pro, picking a source in the app turns the devices on and switches the inputs on the way.
- Debug output can be turned on and off while the processor runs, without a restart.
- Its own license key, or a CPLLC site license key, licenses the extension by itself; the CPLLC License Manager is not required, but is the convenient place to enter a site license key once for every CPLLC driver.

Installing

Load the package on the processor, then add it from Drivers › Flat Panel Display › Control Programming LLC › Virtual Flat Panel Display, name it, put it in a room, and enter its license key (or leave it blank on a site with a CPLLC site license) and the number of inputs.

Then wire it in Configure Pro's Routing as it is cabled: each HDMI input takes the source or receiver output plugged into it, and Room Video and Room Audio go to its room (Configure Pro connects them when the TV is added).

Installer Options

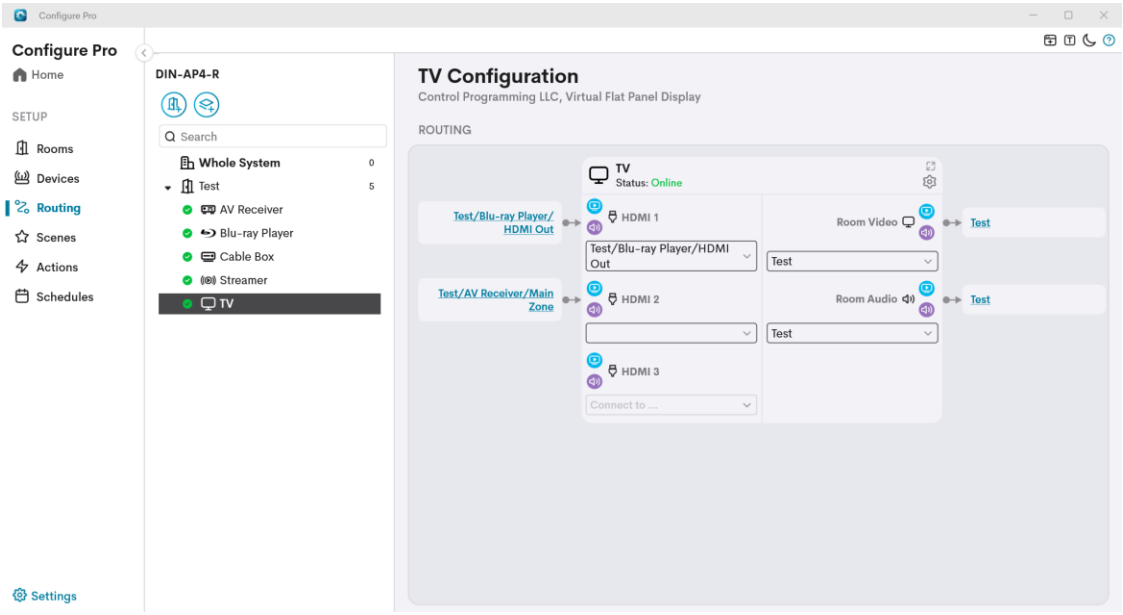
Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Virtual Flat Panel Display license key. Leave blank when the site has a CPLLC site license.
Number of Inputs	How many HDMI inputs the display has, 1 to 6 (default 3).

Sequences

The flat panel display uses Crestron Home's own controls in sequences and scenes; it adds no actions or events of its own.

End-User Experience

It has no CPLLC tile or page of its own: Crestron Home's own user interface draws it and controls everything, as it does for any flat panel display, from its media controls in the room, scenes and sequences.



The TV in Configure Pro's Routing: a source and a receiver on its HDMI inputs, its picture and sound to the room

Without a valid license key or a CPLLC site license, it runs for a two-hour grace period after it starts; then it goes offline. Entering a valid key, or adding a site license, brings it back without a restart.

Known Limitations

- Needs Crestron Home 4.12 or later, the first version that draws a Flat Panel Display from a driver itself.
- It controls no hardware; it reaches other devices only through Crestron Home's routing, scenes and sequences.
- Its commands are carried out whether it is on or off, which a real device would not do.
- Its state is not kept across a restart: it starts off, on HDMI 1, at 30% volume.
- After devices are added to a room or upgraded, Crestron Home 4.13 (beta, build 4.013.0134) can stop sending the room's AV devices any commands while the app still shows the source selected; one processor restart cures it (seen in the lab, 2026-11-11).

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R, set up with Configure Pro 4.12 and used from the Crestron Home app 4.13.0 on Android.

Version History

Date	Version	Changes
2026-11-12	5.00	Installing no longer shows the closing CPLLC License Manager page
2026-11-11	5.00	Initial release on the Crestron Home device model

Support

> **CPLLC Site License**
> A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

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Product page	https://cpllc.net/product/sdk-virtual-flat-panel-display/

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