Control Programming LLC

Release Notes

CPLLC Virtual Shade

Version 5.00 · November 11, 2026

Product	CPLLC Virtual Shade (Crestron Home extension)
Version	5.00
Release date	November 11, 2026
Where to find it	Drivers › Shades › Control Programming LLC › Virtual Shade
Requires	Crestron Home OS 4.13 or later
Licensing	A Virtual Shade license key (cpllc.net/product/sdk-virtual-shade) 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 Shade is a shade with no hardware behind it. Crestron Home shows and controls it like any other shade: it opens, closes, stops and goes to a position from Crestron Home's own shade controls, scenes and sequences. It moves for the installer's transition times, and Crestron Home raises its own shade events for it, so sequences can follow a shade that is not wired to the system, or stand in for one.

Capabilities

Capability	What it does
Open, close, stop	From Crestron Home's shade controls, scenes and sequences. Open and close are always carried out, even when the shade already shows that state.
Position	Goes to any position from fully closed (0%) to fully open (100%), and reports where it is, fully open or fully closed, and the way it last moved.
Transition times	Shows Opening or Closing for the part of the installer's full-travel seconds the move covers; Stop leaves it where it has got to.

Capability	What it does
Crestron Home events	Crestron Home's own shade events: Opening, Closing, Fully Open, Fully Closed and Position Changed.
Live debug	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release: a shade built on the Crestron Home shade model (Entity Model), which Crestron Home 4.13 and later controls with its own shade controls.
- Position control as well as open, close and stop.
- Crestron Home's own shade events only: the Shade is Opened, Opening, Closing and Closed events of the first 5.00 build are gone, since Crestron Home raises the same ones itself (Opening, Closing, Fully Open, Fully Closed, Position Changed).
- 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 › Shades › Control Programming LLC › Virtual Shade, 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 transition times.

Installer Options

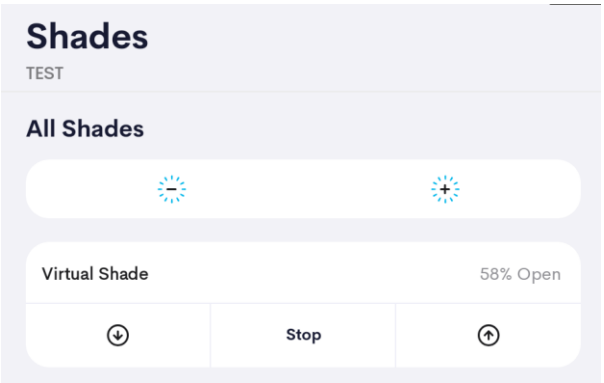
Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Virtual Shade license key. Leave blank when the site has a CPLLC site license.
Seconds between Fully Closed/Opened	How long the shade takes to open fully (default 5).
Seconds between Fully Opened/Closed	How long the shade takes to close fully (default 5).

Sequences

The shade uses Crestron Home's own shade controls in sequences and scenes (open, close, stop, position) and Crestron Home's own shade events (Opening, Closing, Fully Open, Fully Closed, Position Changed); it adds no actions or events of its own.

End-User Experience

The shade appears in Crestron Home's own Shades screen (a Shades control on the Home screen, with Rooms and Scenes), in its room with open, Stop and close, its state (Open, Closed or the percent open) and the room's All Shades buttons.



The Virtual Shade in Crestron Home's Shades screen, stopped part way

Without a valid license key or a CPLLC site license, the shade 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 4.13 or later, the first version that draws shades from a driver itself; on an earlier version the shade shows no controls.
- The shade controls no hardware; it reaches other devices only through sequences on Crestron Home's shade events.
- Its position is not kept across a restart: it starts closed.
- While it moves, the Crestron Home app keeps showing where it started (Closed while opening); the new position shows when the move ends or is stopped.

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. Open, close, Stop part way and the transition times were checked in the app, and Crestron Home's own shade events in Configure Pro.

Version History

Date	Version	Changes
2026-11-11	5.00	Crestron Home's own shade events only; the extension's Opened, Opening, Closing and Closed events removed
2026-11-11	5.00	Initial release on the Crestron Home shade 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-shade/

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