Control Programming LLC

Release Notes

CPLLC Virtual Pool

Version 5.00 · November 22, 2026

Product	CPLLC Virtual Pool (Crestron Home extension)
Version	5.00
Release date	November 22, 2026
Where to find it	Drivers › Pool Controller › Control Programming LLC › Virtual Pool
Requires	Crestron Home OS 4.14 or later
Licensing	A Virtual Pool license key (cpllc.net/product/sdk-virtual-pool), a CPLLC Toolkit license key (cpllc.net/product/toolkit-license) or a CPLLC site license key (cpllc.net/product/site-license), entered in the extension's Enter License Key, or a Toolkit or site license key once in the CPLLC License Manager

Overview

The CPLLC Virtual Pool is a pool controller with no hardware behind it: a pool with a heater and a filter pump, a spa with a heater and jets, a pool light with a color, a waterfall and an air temperature. Crestron Home shows it like any other pool controller, with its own pool controls, and sequences can set it and follow it with Crestron Home's own actions and events, so it can stand in for a pool system that is not installed yet, or be used to try out pool control before the equipment arrives.

Capabilities

Capability	What it does
Pool	Pool Heater on and off with its setpoint (60 to 104°F), its water temperature and whether it is heating, and Pool Filter Pump on and off with its speed (20 to 100%).
Spa	Spa Heater on and off with its setpoint (80 to 104°F), its water temperature and whether it is heating, and Spa Jets on and off.

Capability	What it does
Light and waterfall	Pool Light on and off with its color (White, Blue, Green, Red, Party), and Waterfall on and off.
Air temperature	A reading of 75°F.
Kept by the extension	Crestron Home's own commands set each value, and it is shown at once. A heater reads Heating while it is on and its water is below its setpoint.
Live debug	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release: a pool and a spa with no hardware behind them, built on the Crestron Home pool controller model (Entity Model), for the Crestron Home versions that draw pool controllers themselves (4.14 and later).
- Every setting is set with Crestron Home's own pool controls, actions and events.
- Debug output can be turned on and off while the processor runs, without a restart.

Installing

Load the package on the processor, then add it from Drivers › Pool Controller › Control Programming LLC › Virtual Pool, name it, put it in a room and enter its license key (or leave it blank on a site with a CPLLC Toolkit or site license). Its pool and its spa appear under it.

Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Virtual Pool license key. Leave blank when the site has a CPLLC Toolkit or site license.

Sequences

The pool controller uses Crestron Home's own pool actions and events: sequences set its heaters, pumps, light and waterfall and follow their state with Crestron Home's own events. It adds no actions or events of its own.

End-User Experience

The pool and the spa appear with Crestron Home's own pool controls, showing each heater, pump, the light and the waterfall and what each is set to.

Nothing is behind the pool, so its temperatures never move: the pool's water stays at 78°F, the spa's at 98°F and the air at 75°F.

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

Known Limitations

- Crestron Home draws pool controllers itself only from 4.14, which Crestron has not released. On Crestron Home 4.13 and earlier the pool shows nothing and can't be used.
- Not yet seen in Crestron Home's own pool controls: no Crestron Home that draws them could be tested.
- Its settings are not kept across a restart: every switch starts off, the setpoints at 82°F and 100°F, the filter pump's speed at 60% and the light White.
- Temperatures are in Fahrenheit.
- The pool controls no hardware; it reaches other devices only through sequences on its events.

Test Environment

Crestron Home 4.013.0171 on a DIN-AP4-R, set up through its setup API: added, Online, publishing its pool and its spa to Crestron Home, and Online again after two reloads. Crestron Home 4.13 draws no pool controls, so its controls could not be tried.

Version History

Date	Version	Changes
2026-11-22	5.00	Initial release on the Crestron Home pool controller 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-pool/

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