Control Programming LLC

Release Notes

CPLLC Hayward OmniLogic

Version 5.00 · November 21, 2026

Product	CPLLC Hayward OmniLogic (Crestron Home extension)
Version	5.00
Release date	November 21, 2026
Where to find it	Drivers › Pool Controller › Hayward › OmniLogic
Requires	Crestron Home OS 4.12 or later, and a Hayward OmniLogic, OmniPL or OmniHub with a fixed IP address on the processor's network
Licensing	A Hayward OmniLogic license key (cpllc.net/product/hayward-omnilogic) 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 Hayward OmniLogic extension brings a Hayward OmniLogic, OmniPL or OmniHub pool controller into Crestron Home as a tile with a page of its own. The page has a switch for each filter, light, relay, valve and pump, the filter and pump speeds, each heater's setpoint and heat mode, and each ColorLogic light's show, and the water and air temperatures, salt level and CSAD readings below them. Every control has its sequence actions and events. It talks to the controller directly on the home network, reads it every 30 seconds and right after every command, so the page follows changes made at the controller, in the Hayward app or by a schedule within half a minute.

Capabilities

Capability	What it does
Tile and page	A tile showing the first body's water temperature and setpoint ("82°F, set 88°F Heating"), and a page with a control for every setting the system has. The controls appear once the controller has answered and are there from then on, also while it can't be reached.
Filters	Each body's filter pump on and off; a variable-speed filter also has its speed (%), and turns on at its last speed.
Heaters	Each body's setpoint, within the limits the controller allows, its water temperature, whether it is heating, and its heat mode: Off or Heat, with Cool and Auto for a heat pump that cools.
ColorLogic lights	Each light on and off, and its show, from the list for its type (ColorLogic 2.5 and 4.0, UCL, Pentair and Zodiac color lights).
Relays, valves and pumps	Each relay and valve actuator (water features, landscape lights …) and each pump on and off; a variable-speed pump also has its speed (%).
Chlorinator and CSAD	The salt level, and the CSAD's pH and ORP.
Sequences and events	An action and an event for every control, and Pool Offline / Pool Online.
Live debug	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release: a Hayward OmniLogic, OmniPL or OmniHub on its own tile and page, on Crestron Home 4.12 and later.
- Every body of water with its filter, heater, lights, relays, valves, pumps, chlorinator and CSAD, and the backyard's lights and relays, each only when the system has it.
- An action and an event for every control, and Pool Offline / Pool Online.
- Debug output can be turned on and off while the processor runs, without a restart.

Installing

Give the OmniLogic a fixed IP address (a DHCP reservation on the router): the extension can't search for it. Load the package on the processor, then add it from Drivers › Pool Controller › Hayward › OmniLogic. Enter the controller's IP address on the first page (port 10444, the controller's own). Name it, put it in a room and enter its license key (or leave it blank on a site with a CPLLC site license). The page's controls appear once the controller has answered; make the sequences that use them after that.

Installer Options

Option	Description
IP Address / Hostname	The OmniLogic's IP address. Required: the controller can't be searched for.
Port	10444, the controller's own port.
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Hayward OmniLogic license key. Leave blank when the site has a CPLLC site license.
Show on Home Screen	Shows the tile on the Home screen (default off).
Show in Room Screen	Shows the tile in its room (default on).
Only Display Tile	Shows the tile alone, with no page of controls (default off).
Starting Pin Code	A numeric PIN that must be entered before the page opens. Blank means no PIN (the default).
Seconds Pin Active	How long the page stays unlocked after the last touch (default 10 seconds).

Sequences

The system's actions and events are under its name in Customize Actions & Events. Each control has its own, named after the equipment as the OmniLogic names it, so which ones a system has depends on its equipment (the names below are examples). An event is raised when its condition changes, not for the state the system is in when the extension starts.

The actions:

Action	Description
Pool Filter On / Pool Filter Off	Turns a filter on or off; the same for each light, relay, valve and pump (Waterfall On, Jets Off …).
Set Pool Filter Speed %	A variable-speed filter's or pump's speed.
Set Pool Heater Setpoint °F	A body's heat setpoint.
Set Pool Heater Heat Mode	Off, Heat, and Cool and Auto for a heat pump that cools.
Set Pool Light Effect	A ColorLogic light's show.
Extension Enable / Extension Disable	Enables or disables the device. A disabled device shows Disabled, ignores its controls and raises no events.

The events:

Event	Description
Pool Filter On / Pool Filter Off	A filter, light, relay, valve or pump turned on or off.
Pool Heater Heat Mode is <mode>	A body's heat mode changed.
Pool Light Effect is <show>	A light's show changed.
Pool Offline / Pool Online	The controller stopped answering; it answers again.
Extension Enabled / Extension Disabled	The device was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered (with a Starting Pin Code set).

End-User Experience

The tile shows the first body's water temperature and setpoint, with Heating while it heats, or Offline while the controller doesn't answer. A touch opens the page: the heat-mode and light-show drop-downs, a switch for each filter, light, relay and pump, the speed and setpoint sliders, and below them each body's temperature, the air temperature, the salt level and the CSAD's readings.

When the controller stops answering, the controls are greyed out and the tile shows Offline (after about a minute and a half: three missed reads); it comes back by itself when the controller answers again.

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

Known Limitations

- Crestron Home 4.14 will draw pool controllers itself. Until that can be tested, the pool system has CPLLC's own tile and page; a later version will move it to Crestron Home's own pool controls.
- Not yet tested with a real OmniLogic: this release was tested against a simulated controller speaking its local protocol.
- Hayward publishes no documentation of the OmniLogic's local protocol. The extension uses the protocol the open-source integrations use; a Hayward firmware update that changes it can stop the extension until it is updated.
- The controller sends nothing for the extension to follow, so changes made outside Crestron Home show within 30 seconds, and an unreachable controller shows Offline after about a minute and a half.
- Equipment added to the OmniLogic later appears after the extension is reloaded.
- Temperatures are in Fahrenheit, as the controller reports them.
- Not included: chlorinator and CSAD settings, groups and themes, schedules, spillover, and the light speed and brightness.

Test Environment

Crestron Home 4.013.0171 on a DIN-AP4-R, set up through its setup API, against a simulated OmniLogic (CPLLC's own, speaking the controller's local protocol: a pool with a variable-speed filter, a heat pump that cools, a UCL light, a waterfall, a chlorinator and a CSAD, a spa with a single-speed filter, a gas heater, a ColorLogic 4.0 light and jets, and backyard landscape lights). Every control appeared on the first connection; every action reached the controller (filters, lights, relays and pumps on, filter speed, setpoint, heat mode, light show), the page followed the controller, the tile went Offline when the controller stopped and back Online when it returned, and after a reload every control was still there. Not yet run against a real OmniLogic.

Version History

Date	Version	Changes
2026-11-20	5.00	Initial release on its own tile and page

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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