Control Programming LLC

Release Notes

CPLLC Pentair ScreenLogic

Version 5.00 · November 21, 2026

Product	CPLLC Pentair ScreenLogic (Crestron Home extension)
Version	5.00
Release date	November 21, 2026
Where to find it	Drivers › Pool Controller › Pentair › ScreenLogic
Requires	Crestron Home OS 4.12 or later, and a Pentair IntelliTouch, EasyTouch or SunTouch pool system with its ScreenLogic protocol adapter on the processor's network
Licensing	A Pentair ScreenLogic license key (cpllc.net/product/pentair-screenlogic) 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 Pentair ScreenLogic extension brings a Pentair IntelliTouch, EasyTouch or SunTouch pool system into Crestron Home through its ScreenLogic protocol adapter, as a tile with a page of its own. The page has a switch for the pool and the spa and for each light and feature circuit, each heater's setpoint and heat mode, the IntelliBrite and MagicStream color shows and the chlorinator's output, and the water and air temperatures, salt level and IntelliChem readings below them. Every control has its sequence actions and events. It talks to the adapter directly on the home network, and the adapter reports every change as it happens, so the page follows the pool equipment at once, whether it was changed from Crestron Home, the system's own panel, the ScreenLogic app or a schedule.

Capabilities

Capability	What it does
Tile and page	A tile showing the pool'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 the first time the adapter answers and are there from then on, also while it can't be reached.
Pool and spa	Turns the pool and the spa on and off (their circulation), as the system's own Pool and Spa buttons do.
Heaters	Each body's setpoint, within the limits the system allows, its water temperature, whether it is heating, and its heat mode as Pentair's app offers it: Off or Heater, with Solar and Solar Preferred on a system with solar, or Heat Pump and Heat Pump Preferred with a heat pump; Off, Hybrid, Gas Only, Heat Pump Only and Dual with an UltraTemp ETi hybrid heater.
Lights and features	Each light and feature circuit the system shows (pool light, spa light, cleaner, waterfall …) turns on and off.
Light shows	All On, All Off and the IntelliBrite and MagicStream shows and colors (Party, Romance, Caribbean, American, Sunset, Royal, Blue, Green, Red, White, Magenta, Color Swim, Color Sync), sent to every color light.
Chlorinator and IntelliChem	The chlorinator's pool output (0 to 100 %), which can be set, and the salt level; the IntelliChem's pH and ORP.
Sequences and events	An action and an event for every control, and Pool Offline / Pool Online.
Push feedback	The adapter reports every change itself; nothing is polled.
Finds the adapter	Leave the address blank and the extension finds the adapter on the processor's networks.
Live debug	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release: a Pentair pool system through its ScreenLogic adapter, on its own tile and page, on Crestron Home 4.12 and later.
- The pool and spa with their heaters, every light and feature circuit, the light shows, the chlorinator and IntelliChem, each only when the system has it.
- An action and an event for every control, and Pool Offline / Pool Online.
- Every change on the system is shown at once, without polling.
- Debug output can be turned on and off while the processor runs, without a restart.

Installing

Give the ScreenLogic adapter a fixed IP address (a DHCP reservation on the router), so the extension always finds it at the same place. Load the package on the processor, then add it from Drivers › Pool Controller › Pentair › ScreenLogic. Enter the adapter's IP address and port on the first page (80 to start; the ScreenLogic app's Settings show the adapter's own), or leave the address blank to have the extension find the adapter and its port on the processor's networks. 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 adapter has answered; make the sequences that use them after that.

Installer Options

Option	Description
IP Address / Hostname	The ScreenLogic adapter's address. Leave blank to find it on the processor's networks.
Port	The adapter's port, 80 to start. With the address left blank, the port the adapter reports is used.
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Pentair ScreenLogic 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 circuit or body, 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 the pool (or spa) on or off; the same for each light and feature circuit (Spa Light On, Waterfall Off …).

Action	Description
Set Pool Heater Setpoint °F	A body's heat setpoint, in the system's own scale.
Set Pool Heater Heat Mode	Off, Heater, and Solar and Solar Preferred with solar, or Heat Pump and Heat Pump Preferred with a heat pump; with a hybrid heater Off, Hybrid, Gas Only, Heat Pump Only and Dual.
Light Shows On / Light Shows Off	All the color lights on or off.
Set Light Shows Effect	A show or color for every color light.
Set Chlorinator Output %	The chlorinator's pool output, 0 to 100 %.
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 body, light or feature turned on or off.
Pool Heater Heat Mode is <mode>	A body's heat mode changed.
Light Shows Effect is <show>	A show was chosen.
Pool Offline / Pool Online	The adapter can't be reached; it can 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 pool's water temperature and setpoint, with Heating while it heats, or Offline while the adapter can't be reached. A touch opens the page: the heat-mode and light-show drop-downs, a switch for the pool, the spa and each circuit, the setpoint and chlorinator sliders, and below them each body's temperature, the air temperature, the salt level and the IntelliChem's readings.

When the adapter can't be reached, the controls are greyed out and the tile shows Offline; it comes back by itself when it can.

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 ScreenLogic adapter: this release was tested against a simulated adapter speaking the ScreenLogic protocol.
- Pentair publishes no documentation of the ScreenLogic protocol. The extension speaks it as Pentair's own ScreenLogic Connect app does (checked against the app itself); a Pentair firmware update that changes it can stop the extension until it is updated.
- Equipment added to the system later appears after the extension is reloaded.
- The system doesn't report which light show is running, so the page shows the last one chosen from Crestron Home.
- Not included: pump speeds, schedules, the IntelliChem's setpoints, super-chlorinate and an adapter password (an adapter that asks for one can't be used).

Test Environment

Crestron Home 4.013.0171 on a DIN-AP4-R, set up through its setup API, against a simulated ScreenLogic adapter (CPLLC's own, speaking the adapter's protocol: a pool and a spa, solar, two IntelliBrite lights, a cleaner and a waterfall, an IntelliChlor and an IntelliChem). Every control appeared on the first connection; every action reached the adapter (bodies, lights and features on, setpoint, heat mode, light show, chlorinator output), the page followed the adapter's pushed changes, the tile went Offline when the adapter stopped and back Online when it returned, and after a reload every control was still there. The extension was then checked against Pentair's ScreenLogic Connect app for Android and made to match it (the login and the heat modes for heat pumps and hybrid heaters), and the lab test was run again with the simulated adapter refusing any login the app wouldn't send and playing a heat-pump system. Not yet run against a real adapter.

Version History

Date	Version	Changes
2026-11-20	5.00	On a first install the page's controls, actions and events are all there at once, without a reload
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.

Company	Control Programming LLC
Contact	Randy Johnson
Email	randy@cpllc.net
Website	https://cpllc.net
Product page	https://cpllc.net/product/pentair-screenlogic/

© 2026 to the present, Control Programming LLC. All Rights Reserved.

Pentair, ScreenLogic, IntelliTouch, EasyTouch, SunTouch, IntelliBrite, MagicStream, IntelliChlor and IntelliChem are trademarks of their respective owners. Crestron and Crestron Home are trademarks of Crestron Electronics, Inc. This extension is an independent product of Control Programming LLC and is not affiliated with, endorsed by or sponsored by the owners of Pentair, ScreenLogic, IntelliTouch, EasyTouch, SunTouch, IntelliBrite, MagicStream, IntelliChlor and IntelliChem.