Driver – Pentair IntelliCenter Pool Controller Platform IP

version 2.1.5

Driver

This release note is for the Crestron driver FridayForge_IntelliCenter.

This driver is the FridayForge platform driver for a Pentair IntelliCenter pool and spa controller. It connects to the IntelliCenter over the local network and presents the pool and spa as a tile with a pool-style page, and each light circuit as a native Crestron Home on/off light. Every circuit and feature also gets its own On and Off action in Actions & Events.

Notes and Recommendations

Give the IntelliCenter a fixed IP address (a DHCP reservation) before adding the driver.

Everything is controlled and read live: changes made at the IntelliCenter, in the Pentair app or from Crestron appear in both places within moments. The refresh interval is only a backup.

Colour sequence on Pentair lights. When you change the colour of a Pentair light, the light first turns off, then on, then off again while it cycles to the new colour, and then the new colour shows. This is how the light and the IntelliCenter work, not a fault in the driver. Wait a few seconds after choosing a colour.

Colours and light shows (Party, Romance, American and others) are chosen on the pool tile under Light Colours. The Crestron Home light for each light circuit is on/off only, because a Pentair light does not follow a colour picker and also has shows that a colour picker cannot select.

Actions & Events. Each circuit and each feature has its own **On** and **Off** action (named after the circuit), so a scene can set a state directly instead of toggling. Each circuit and feature also has a Toggle action. The pool and spa have On, Off, Setpoint Up, Setpoint Down and Heater selection actions. Circuits whose names start with X or an underscore, and unnamed circuits, are left out.

Licensing. The driver works free for 2 hours after the processor starts. To keep using it, install the FridayForge License Manager and buy a licence for this driver at forgedbyfriday.com. A licensed driver keeps working only while the License Manager is installed and running on the same processor. While the driver is locked it ignores commands from Crestron Home (from the pool tile and from the lights) and the pool tile shows “Trial ended: licence needed”. Temperatures and status keep updating.

System Requirements and Dependencies

- Crestron Home OS 4.x with a V2 Processor
- Pentair IntelliCenter controller on the same network as the Crestron processor (local control, port 6680)
- FridayForge License Manager installed on the same processor (free, from forgedbyfriday.com)

Installation/Upgrade Instructions

Installation

- Copy the .pkg file to the Crestron Home Configurator and install it (Settings > Drivers).
- Add the device in the Configurator and fill in the installer settings below.
- The Configurator discovers the devices and adds each one under Devices; assign each to its room.

After you install a newer version of the driver, you do not need to remove it. If the update adds new settings, Crestron Home asks the installer to review them before the driver comes back online. If the driver needs to resync its information, Crestron Home may also ask for a processor reboot.

Installer Settings

Setting	Description
IntelliCenter IP Address / Hostname	The controller's address on your network, for example 192.168.1.50.
Port	Leave at 6680 unless you changed it.
Temperature Unit (F or C)	Unit used for temperatures on the page. Default: F.
Status Refresh (seconds)	Backup refresh. Changes also arrive instantly from the controller. Default: 15 (5–300).
Native Lights (0 or 1)	0 = lights only as buttons on the pool tile. 1 = each light circuit also appears in Crestron Home as an on/off light. Default: 1.
Device Category (0 or 1)	0 = show the pool tile as an outlet-style tile (default). 1 = report it to Crestron as a Pool Controller. After changing this, remove and re-add the pool tile.
Debug Log (0 or 1)	Troubleshooting only. 1 adds more detail to the driver log that is included in FridayForge support reports. Default: 0.

Pool tile settings

Setting	Description
Show on Room Page	Show the pool tile on its room's page. Default: on.
Show on Home Page	Also show the pool tile on the Home page. Default: off.

Using Driver Actions in Sequences

Actions & Events lists, for the pool controller:

Action	What it does
[Circuit or feature name] On / Off	Switches that circuit or feature on or off. Every named circuit and feature has its own pair.
Toggle [circuit or feature name]	Switches the circuit or feature to the opposite state.
Pool / Spa On, Off	Turns the body of water on or off.
Pool / Spa Setpoint Up, Setpoint Down	Raises or lowers the heat setpoint of that body.
Pool / Spa Heater [name], Heater Off	Chooses the heater used by that body, or turns heating off.

Light [n] colour [name]	Selects a colour or show on a light.

End-User Experience

The pool tile opens a single page with:

- Air temperature at the top.
- Pool and Spa sections, each with an on/off switch, the water temperature, a Heat Mode control and a Heat Setpoint raise/lower control.
- Circuits and Feature Circuits pages with a switch for each circuit.
- Light Colours: pick a light, then pick a colour or show. The light turns on if it was off.
- Pumps and Sensors page with read-only lines for pumps, sensors and chemistry where the IntelliCenter reports them.
- A Status card showing the connection and the result of the last command.

Each light circuit also appears as its own Crestron Home light with on/off control.

Limitations/Known Issues

- The page has fixed capacity: 2 bodies (pool and spa), 5 heater choices per body, 20 circuits, 16 feature circuits, 4 colour lights and 12 system lines.
- The Crestron Home light for a Pentair light is on/off only; colours and shows are on the pool tile.
- Changing a colour makes the light go off, on and off again before the new colour shows (see Notes and Recommendations).
- The pool tile refreshes at most once a second, so very fast changes from the controller appear a moment later.

Supported Features

- Pool and spa on/off
- Water and air temperature
- Heater selection and setpoint
- Circuit and feature circuit switches, with On, Off and Toggle actions for each
- Light on/off as native Crestron Home lights
- Light colours and shows from the pool tile
- Pump, sensor and chemistry read-outs
- Live updates from the controller
- Optional debug log for support reports

Test Environment

- Crestron Home OS 4.x
- Pentair IntelliCenter with a pool, a spa, a gas heater and an IntelliBrite light

Supported Models

Pentair IntelliCenter (local network, WebSocket on port 6680)

Contact Information

Company: FridayForge
Author: Aaron Johnson
Email: aaron@forgedbyfriday.com
Website: forgedbyfriday.com

Version History

2.1.5 2026-11-18

Changes since Last Version

New Features

- Initial release

Licensing and Copyright Information

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