Control Programming LLC

Release Notes

CPLLC U by Moen Platform

Version 5.00 · November 8, 2026

Product	CPLLC U by Moen Platform (Crestron Home platform)
Version	5.00
Release date	November 8, 2026
Where to find it	Drivers › Platform › Moen › U by Moen
Requires	Crestron Home OS 4.12 or later, U by Moen digital shower controllers set up in the U by Moen app, that app's Moen account email and password, and internet access from the processor
Licensing	A U by Moen Platform license key (cpllc.net/product/u-by-moen-shower) or a CPLLC site license key (cpllc.net/product/site-license), entered in the platform's Enter License Key, or a site license key once in the CPLLC License Manager

> **Buyer Beware: Unofficial API**
> Moen does not publish an API for this product. This platform uses the unpublished protocol Moen's own app uses, which Moen can change or turn off at a moment's notice, without warning. If that happens the platform may stop working until it can be updated, and it may not be possible to update it.

Overview

The CPLLC U by Moen Platform brings U by Moen digital shower controllers into Crestron Home. It signs in to the customer's Moen account and finds every shower on it, so no serial number has to be entered, and each shower becomes a Crestron Home device of its own. A shower's page shows whether it is off, coming up to temperature or ready, starts the water at its target temperature or from one of the presets saved in the shower, changes the target temperature and turns the water off. U by Moen showers have no local control: everything goes through the Moen cloud, as the U by Moen app does.

Capabilities

Capability	What it does
Every shower	Every shower on the Moen account is listed in Crestron Home under its U by Moen name, ready to be placed in a room.
Water temperature	A dial at the top of the shower's page, filled to the water temperature, with the water and target temperatures and the shower's mode inside it.
Start	Starts the water with the shower's own settings at its target temperature.
Presets	The presets saved in the shower (up to ten), each a button labeled with its name, that starts the water with that preset.
Target temperature	Raises or lowers the shower's target temperature, from 60 °F to the shower's maximum.
Off	Turns the water off.
Status	Off, Adjusting, Almost Ready, Ready or Paused, with the water and target temperatures, the running preset and the time left on the shower's timer, while Crestron Home is connected to the shower.
Events	Shower is Off, Adjusting, Almost Ready, Ready or Paused, so a sequence can, for one, announce that the shower is ready.
Fahrenheit or Celsius	The Temperature Scale option shows every shower in Fahrenheit or Celsius.
Connects on demand	Nothing stays connected and nothing is polled: the platform connects to a shower when a command is sent and stays connected while the water runs, then lets go.

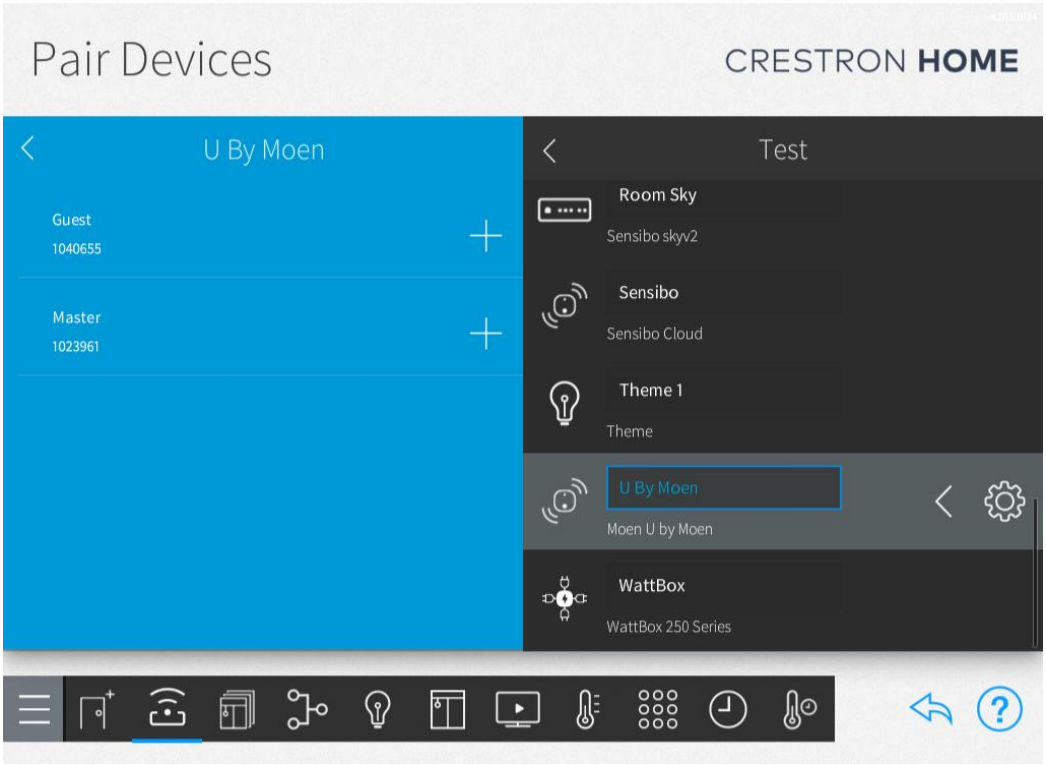
What's New in 5.00

- First release, on the Crestron Home SDK V2 and the CPLLC 5.0 shared libraries.
- Every shower on the Moen account is found and listed: no serial number to enter.
- A page per shower with a water temperature dial, its status, Start, Off, the target temperature and its presets.
- Shower is Off, Adjusting, Almost Ready, Ready and Paused events.
- A Temperature Scale option shows every shower in Fahrenheit or Celsius.
- Connects to a shower only for a command and while the water runs, and connects again by itself if the connection drops while it runs.
- Its own license key, or a CPLLC site license key, licenses the platform by itself: the CPLLC License Manager is not required, but it is the convenient place to enter a site license key once for every CPLLC driver.

Installing

Before installing, set the showers up in the U by Moen app and note the email address and password the app signs in with.

Add the platform from Drivers › Platform › Moen › U by Moen. The CPLLC License Manager is not required. Enter the license key (or leave it blank on a site with a CPLLC site license), the Moen email and password, and press Next; the platform signs in to Moen, and each shower appears under Managed Platforms › the platform's name in Pair Devices, ready to be added to a room with its +. Setup shows "Invalid Username or Password" when Moen refuses the email or password.



The account's two showers under Managed Platforms, each with its serial number

Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The U by Moen Platform license key. Leave blank when the site has a CPLLC site license.
Moen Email	The email address of the Moen account the U by Moen app signs in with.
Moen Password	The password of that Moen account.

Option	Description
Temperature Scale	The scale every shower's page shows its temperatures in: As Reported (the default) shows Moen's own, Fahrenheit; Celsius shows whole degrees Celsius, and a target set in Celsius reaches the shower in Fahrenheit. A change shows once the platform is reloaded.

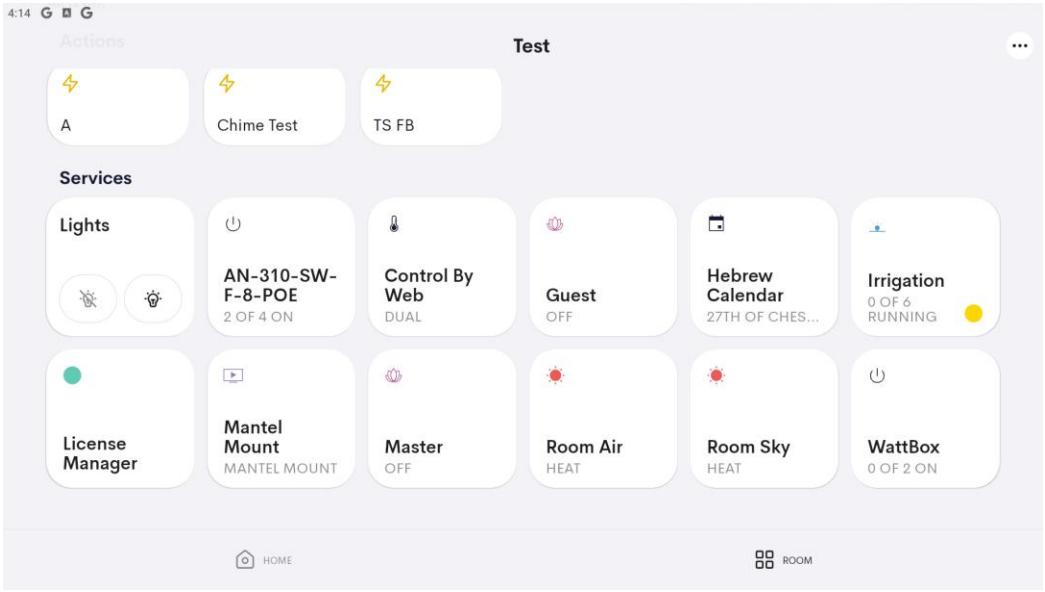
Once the options are saved, each shower is listed under Managed Platforms › the platform's name in Pair Devices. Each shower's own options are listed under Showers.

Showers

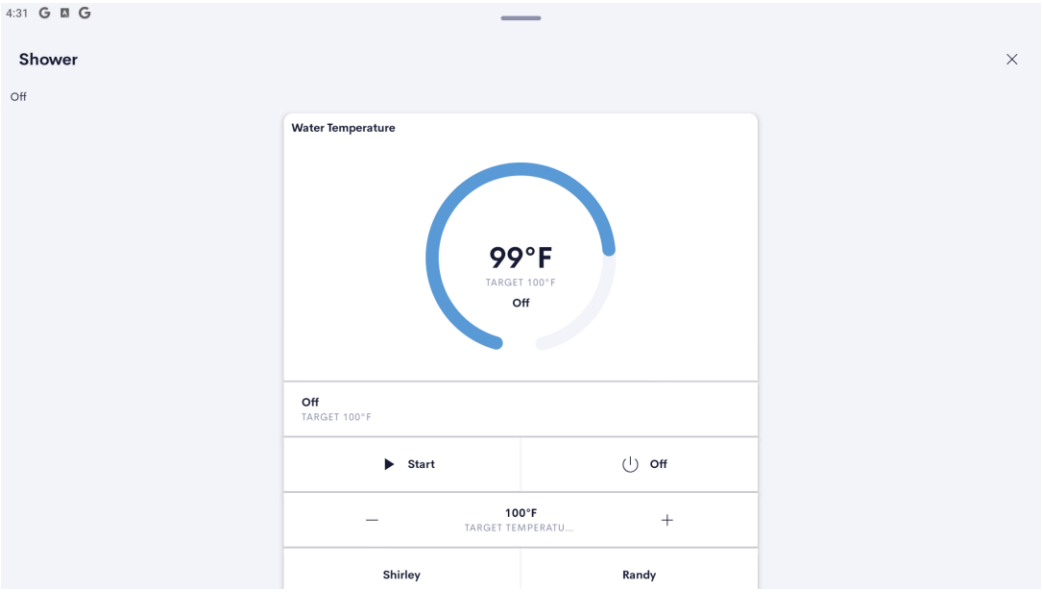
Each shower is a Crestron Home device named as it is in the U by Moen app. Its tile shows Off, Adjusting, Almost Ready, Ready or Paused (with the water temperature while it runs); touching it opens the shower's page: a dial with the water temperature against the target, its status, Start and Off, the target temperature, and a button for each preset saved in the shower.

Each shower's own options, under the shower in Setup:

Option	Description
Show on Home Screen	Shows the shower's tile on the Home screen (default off).
Show in Room Screen	Shows the shower's tile in its room (default on).
Starting Pin Code	A numeric PIN that must be entered before the page's controls work. Blank means no PIN (the default).
Seconds Pin Active	How long the page stays unlocked after the last touch (default 10 seconds).



The two showers in a Crestron Home room



A shower's page: the water temperature dial, its status, Start and Off, the target temperature and its presets

Each shower brings its actions and events to Crestron Home sequences:

Action	Description
Start Press	Starts the water with the shower's own settings at its target temperature.
Off Press	Turns the water off.
Preset 1 Press … Preset 10 Press	Starts the water with that preset, numbered in the order the shower lists them. A preset the shower doesn't have does nothing.
Target Temperature	Sets the target temperature, from 60 °F to the shower's maximum.
Extension Enable / Extension Disable	Enables or disables the shower. A disabled shower shows Disabled and ignores its tile and page.

Event	Description
Shower is Off / Shower is Adjusting / Shower is Almost Ready / Shower is Ready / Shower is Paused	The shower reported that mode, once as it enters it, while Crestron Home is connected to it.
Start Pressed / Off Pressed / Preset 1 Pressed … Preset 10 Pressed	The button was pressed on the page or by a sequence.
Extension Enabled / Extension Disabled	The shower was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered.

Sequences

Every shower's actions and events are listed under Showers. The mode events come only while Crestron Home is connected to the shower, that is after a command from Crestron Home: a shower started at its own panel or in the U by Moen app raises them only once Crestron Home next connects to it.

Known Limitations

- Moen publishes no API for U by Moen: the platform uses the protocol the U by Moen app uses, which Moen can change or turn off at any time, without notice. If that happens the platform may stop working until it can be updated, and it may not be possible to update it.
- Commands travel through Moen's Pusher messaging service, which every U by Moen user and app shares. When Moen's daily message allowance is used up, the service refuses every command until it resets at midnight UTC (7 PM US Central in summer, 6 PM in winter); Crestron Home then shows the error from Moen. On November 7, 2026 it refused commands all afternoon, and they worked again once it reset.
- The platform connects to a shower only for a command and while the water runs, so a shower started or changed at its own panel or in the U by Moen app shows in Crestron Home at its next command from Crestron Home.
- The Moen cloud reports Fahrenheit; with Temperature Scale set to Celsius, a target is rounded to the nearest whole degree Fahrenheit on its way to the shower.
- Up to ten presets per shower are shown.
- U by Moen controllers set up for Apple HomeKit only, with no Moen account, can't be used.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R, set up with Crestron Home Setup and used from the Crestron Home app on Android, with the CPLLC lab's Moen account and its two U by Moen showers. The platform signed in, found both showers with their presets and paired them, and each shower's tile and page showed its state, target temperature and presets. Against the Moen cloud, the shower's channel connected on a command, connected again after a dropped connection, and closed once idle. Through the Moen cloud, the Guest shower started (Adjusting within a second), took a new target temperature, started from a preset and turned off on command, reporting each change back. From the Guest shower's page in the Crestron Home app, Start brought it to Adjusting and Off turned it off.

Version History

Date	Version	Changes
2026-11-08	5.00	Listed in Setup under every kind of device it adds (Additional Device Categories); on the latest CPLLC shared libraries

Date	Version	Changes
2026-11-07	5.00	First release: every shower on the Moen account, with a water temperature dial, its status, Start, Off, target temperature, presets, mode events and a Fahrenheit or Celsius Temperature Scale; connects on demand

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/u-by-moen-shower/

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