Control Programming LLC

Release Notes

CPLLC ecobee Platform

Version 5.00 · November 15, 2026

Product	CPLLC ecobee Platform (Crestron Home platform)
Version	5.00
Release date	November 15, 2026
Where to find it	Drivers › Platform › ecobee › Cloud
Requires	Crestron Home OS 4.12 or later, an ecobee account without two-step sign-in, with its thermostats registered in the ecobee app, and internet access from the processor
Licensing	An ecobee Platform license key (cpllc.net/product/ecobee-platform) 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**
> ecobee does not publish an API for this product. This platform uses the unpublished protocol ecobee's own app uses, which ecobee can change or turn off at a moment's notice, without warning.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 ecobee Platform brings ecobee smart thermostats into Crestron Home. Every thermostat registered to the customer's ecobee account becomes a Crestron Home thermostat of its own, named as it is in the ecobee app. Each thermostat's page picks its mode, sets its heat and cool set points, runs the fan, holds one of its comfort settings (Home, Away, Sleep) or returns it to its schedule, and shows the temperature and humidity. The platform signs in to ecobee's cloud with the account's email and password, so nothing has to be wired; changes made at a thermostat or in the ecobee app are found by reading the thermostats at a set interval.

Capabilities

Capability	What it does
Every thermostat	Every thermostat registered to the ecobee account is listed in Crestron Home under its ecobee name, ready to be placed in a room.
Mode	Off, Heat and Cool as the equipment wired to the thermostat allows, Dual (ecobee's Auto: heating and cooling at once) when the thermostat has it turned on, and Aux Heat on a heat pump.
Set points	A heat and a cool set point, in the thermostat's own scale, or in Fahrenheit or Celsius for every thermostat (Temperature Scale), each within the range the thermostat's own settings allow. In Dual the two are kept as far apart as the thermostat requires.
Fan	Auto or On.
Comfort settings and holds	The Smart list shows what the thermostat follows: Schedule (its program), one of its comfort settings held (Home, Away, Sleep and the owner's own), or Hold (a temperature held). Choosing Schedule ends every hold.
Temperature and humidity	The temperature and humidity the thermostat reports.
Polling	ecobee has no live connection to keep open, so the thermostats are read every 180 seconds by default (30 to 3600); Crestron Home's own changes show as soon as ecobee has taken them.
Sync	Reads every thermostat again on demand.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release.

Installing

Before installing, register each thermostat to an ecobee account with the ecobee app, following the app's instructions. The account must sign in with its email and password alone: the platform cannot answer a two-step sign-in code, so turn two-step verification off for that account, or use an account without it.

Add the platform from Drivers › Platform › ecobee › Cloud. The CPLLC License Manager is not required. Enter the license key (or leave it blank on a site with a CPLLC site license) and the ecobee account's email and password and save the options; the platform signs in, and each thermostat appears in Crestron Home, ready to be placed in a room. Setup shows "Invalid Username or Password" when ecobee refuses the sign-in.

Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The ecobee Platform license key. Leave blank when the site has a CPLLC site license.
ecobee Email	The email address used to sign in to the ecobee app.
ecobee Password	The password of that ecobee account.
Polling Enabled	Reads every thermostat every Polling Seconds, so changes made at a thermostat or in the ecobee app show in Crestron Home (default on).
Polling Seconds	How often every thermostat is read when polling is on, 30 to 3600 seconds (default 180). The thermostats report to ecobee about every three minutes, so shorter times show little sooner.
Temperature Scale	The scale every thermostat page shows its temperatures and set points in: As Reported (the default) keeps the scale the thermostat shows, Fahrenheit shows whole degrees and Celsius half degrees. A change shows once the platform is reloaded.



The platform's Installer Settings in Configure Pro (the password is hidden here)

Once the options are saved, each thermostat is listed under Managed Platforms › the platform's name in Pair Devices, ready to be added to a room with its +. Each thermostat's own options are listed under Thermostats.

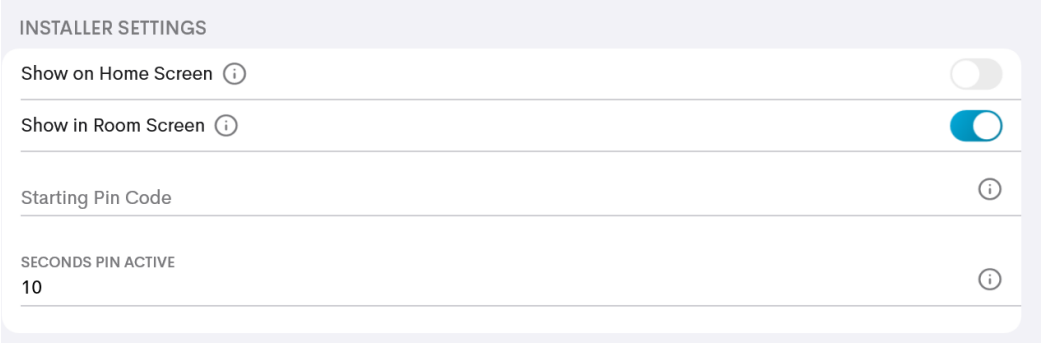
Thermostats

Each ecobee thermostat is a Crestron Home thermostat named as it is in the ecobee app. Its tile shows its mode, or Off; its page has the thermostat with the heat and cool set points and the temperature, a Humidity line, lists for Mode, Fan Mode and Smart, and a Sync button. Each list holds only what that thermostat can do.

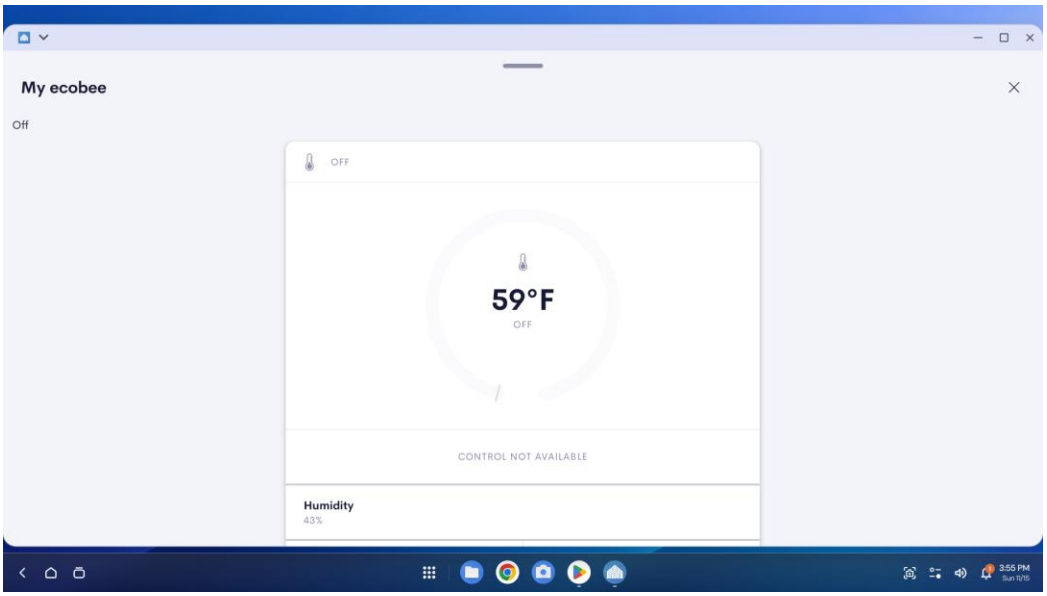
A change made here to a set point, the fan or a comfort setting is a hold, as it is at the thermostat. It lasts as long as the thermostat's own Hold Action setting says: two or four hours, until the next scheduled change, or until it is changed again. Choosing Schedule in the Smart list ends the hold.

Each thermostat's own options, under the thermostat in Configure Pro:

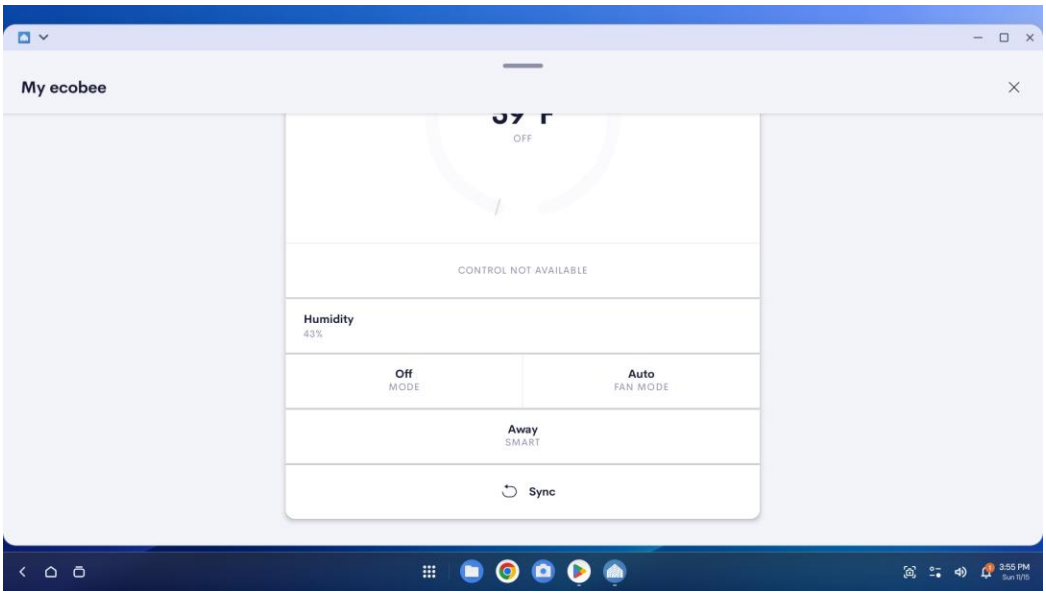
Option	Description
Show on Home Screen	Shows the thermostat's tile on the Home screen (default off).
Show in Room Screen	Shows the thermostat's tile in its room (default on).
Starting Pin Code	A numeric PIN that must be entered before the page's controls work. Blank means no PIN (the default).
Seconds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



A thermostat's own Installer Settings in Configure Pro



A thermostat's page: its mode, the temperature and Humidity (this thermostat is Off, so it shows no set points)



Further down the page: Mode, Fan Mode, Smart (here the Away comfort setting, held) and Sync

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

Action	Description
Set Heat Setpoint / Set Cool Setpoint	Sets the thermostat's heat or cool set point, in the scale its page shows (Temperature Scale): whole degrees in Fahrenheit, half degrees in Celsius.
Set Mode	Sets one of the thermostat's modes.
Set Fan Mode	Sets the fan to Auto or On.
Set Smart	Schedule returns the thermostat to its program; a comfort setting (Home, Away, Sleep …) holds it; Hold holds the set points as they are.
Sync	Reads every thermostat from ecobee again.
Extension Enable / Extension Disable	Enables or disables the thermostat. A disabled thermostat shows Disabled and ignores its tile and page.
Event	**Description**
Temp Above Setpoint / Temp Below Setpoint	The temperature crossed the set point, once per crossing; never while the thermostat is off.
is On / is Off	The thermostat left Off, or was turned off.
Mode is <mode>	The thermostat's mode changed to that mode (Mode is Off, Mode is Cool …, one for each of its modes), from Crestron Home, the ecobee app or the thermostat.
Fan Mode is … / Smart is …	The fan, or what the thermostat follows (Schedule, a comfort setting, Hold), changed to that choice; one event for each choice the thermostat offers.

Action	Description
Extension Enabled / Extension Disabled	The thermostat was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered.

Sequences

Every thermostat's actions and events are listed under Thermostats. The modes and comfort settings a sequence can pick are that thermostat's own, named as the ecobee app names them.

Known Limitations

- The test thermostat had no heating or cooling equipment set up, so Heat, Cool, Dual and Aux Heat in the mode list, the set points on the page and a Celsius thermostat are untested.
- ecobee no longer issues developer API keys, so the platform signs in the way ecobee's own web page does. An ecobee account with two-step sign-in cannot be used.
- When ecobee shows a notice at sign-in (new terms of service, for example), sign in once at ecobee.com in a browser and answer it; the platform signs in again at its next read.
- ecobee has no live connection, and a thermostat reports to ecobee about every three minutes: changes made outside Crestron Home show at the next read after that.
- The modes, set point ranges and comfort settings are read when the platform starts. After changing the thermostat's equipment, its temperature limits or its comfort settings, reload the platform.
- With Temperature Scale at As Reported, a thermostat keeps the scale (°F or °C) it had when the platform found it: after changing its unit, reload the platform to show the new one.
- A thermostat with no heating or cooling equipment set up lists only Off as its mode. A vacation running on the thermostat shows as Hold. Vacations, remote room sensors, the ventilator, humidifier and dehumidifier settings are not offered.
- More than 25 thermostats on one account are not supported.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R, set up with Configure Pro 4.12 and used from the Crestron Home app on Android, with the CPLLC lab's ecobee account and its thermostat (Fahrenheit, no heating or cooling equipment set up). The platform signed in, listed the thermostat and paired it; its tile showed Off, and its page the temperature, humidity, mode, fan mode and the Away comfort setting ecobee reported. Fan Mode On and Auto and Smart Away set from the page reached ecobee, and the page followed. After the driver was reloaded the platform signed in again without the password, from its saved sign-in. From a test program against the same thermostat, the heat and cool set points, the Home comfort setting, Schedule, and the modes heat and off also reached ecobee and read back as set.

Version History

Date	Version	Changes
2026-11-15	5.00	First release

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/ecobee-platform/

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