



Carrier Thermostats

Crestron Home™ Driver

Base Model: Infinity System Cloud Control

Device Type: Platform

Version: 1.3.1

Notes & Recommendations

This driver will control a Carrier thermostat via Carrier's cloud services. Please refer to the thermostat manual for hardware setup instructions or consult an experienced HVAC contractor. The thermostat(s) need to be paired to Wi-Fi and have access to an active internet connection and be registered to an associated Carrier client account.

The driver polls the thermostat state every 10 minutes. Unsolicited feedback is not currently available by the Carrier API. Changes made to the thermostat outside of the Crestron Home environment will sync in the next polling cycle.

System Requirements and dependencies

Versions of software used:


- Crestron Home 3.018.0123
- Active and working internet connection available to the processor
- Homeowner's Carrier credentials for authorizing thermostats (<https://www.myevolutionconnex.bryant.com/login>)

This driver comes with a 2-hour trial license. An extended license can be purchased at <https://digitalautomation.us/product/carrier-cloud-crestron-home-driver>

For additional information on this driver please visit the [FAQ](#) section on our website.

Installation/Upgrade Instructions

The first step is to create a Carrier homeowner account at: (<https://www.myevolutionconnex.bryant.com/> or <https://www.myinfinitytouch.carrier.com/account>).



User Registration

Step 1 of 6

System Information

i All required information can be obtained from your Evolution® System control. For details on how to find the information, hover over the question marks next to each field. Your Evolution® System control owners manual also provides step-by-step instructions.

Serial Number * ?

MAC Address * ?

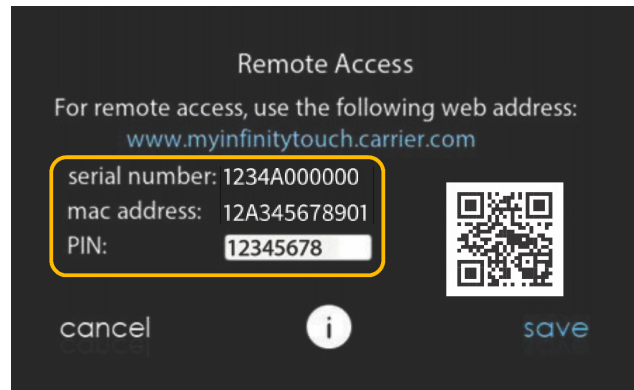
PIN * ?

I agree to the [Terms of Service](#), [Privacy Policy](#), and [End User License Agreement](#).

[Continue](#)

[I already have an account](#)

The **PIN** code can be found in the remote access device configuration. In the following image you can see an example:

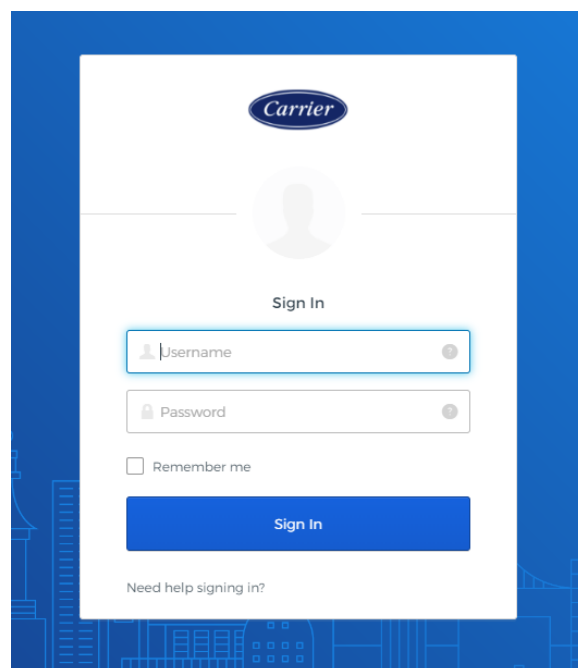


Generate Authorization Code

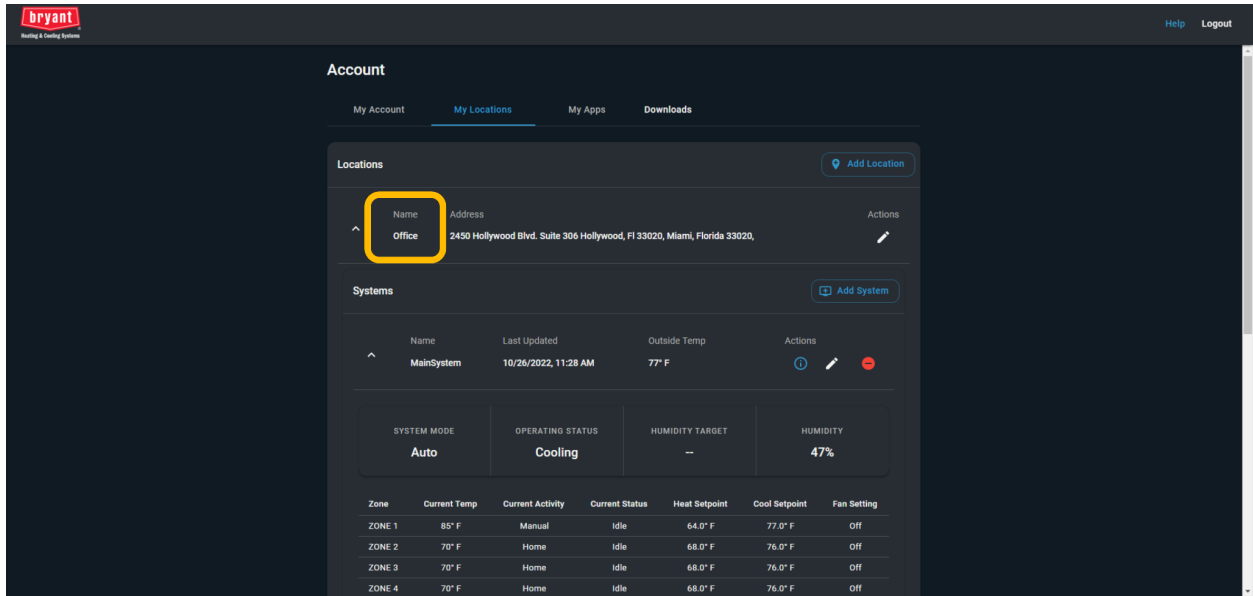
Next, generate an authorization code using this link:

[Authorization Code Generation Link](#)

Enter the homeowner credentials:

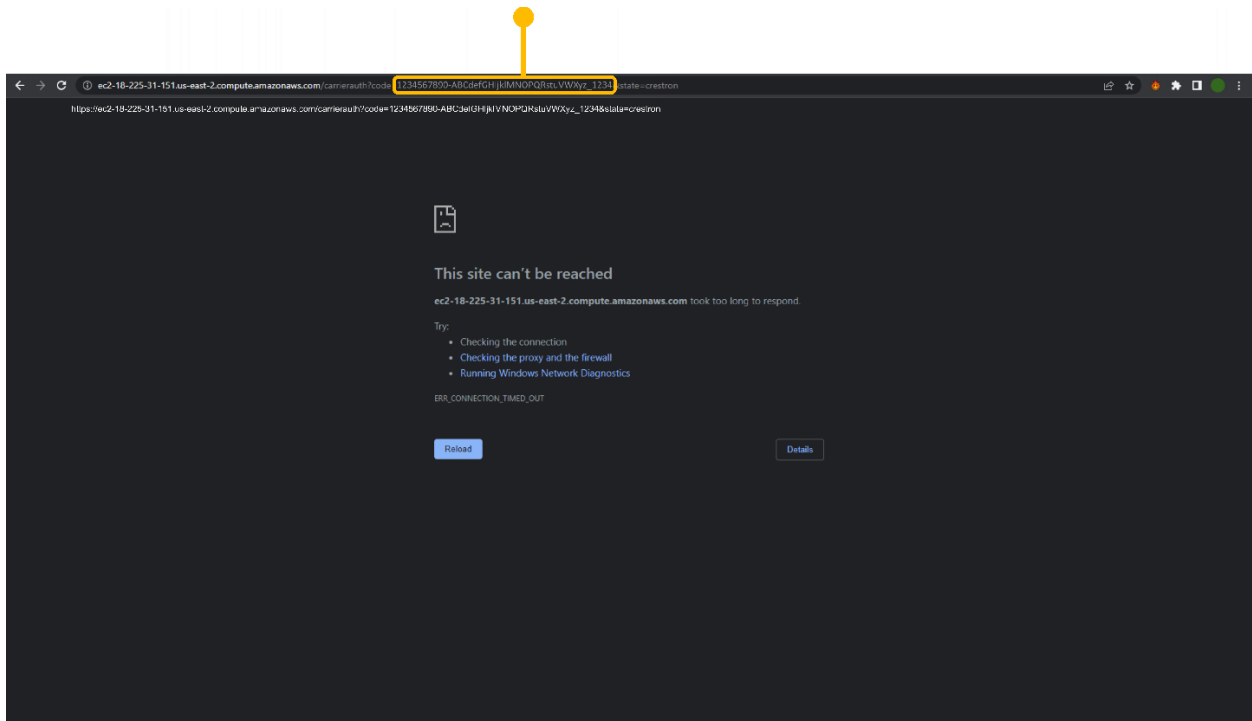


Take note of the **Location name** (case sensitive) as it is required when adding the driver to a room.



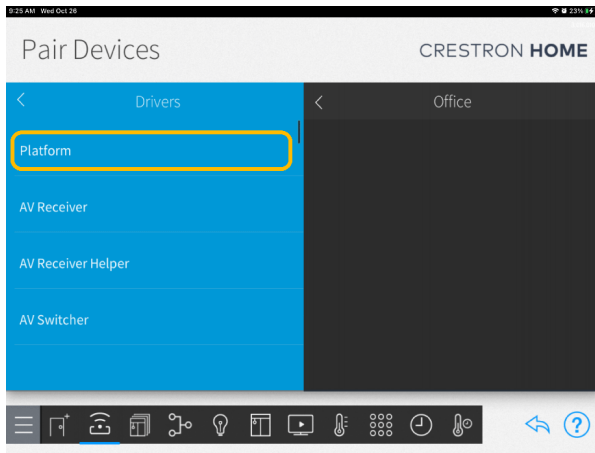
After your credentials, you will be redirected to a "not found - error" page. Look at the URL and copy down the authorization code (Highlighted in orange in the example, it's after "code=" but before the "&"). The driver will require the authorization code during installation:

https://ec2-18-225-31-151.us-east-2.compute.amazonaws.com/carrierauth?code=1234567890-ABCdefGHIjkIMNOPQRstuVWXyz_1234&state=crestron

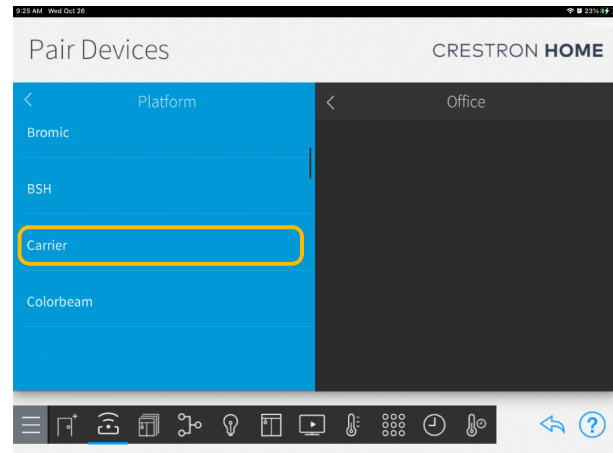


Install the Driver

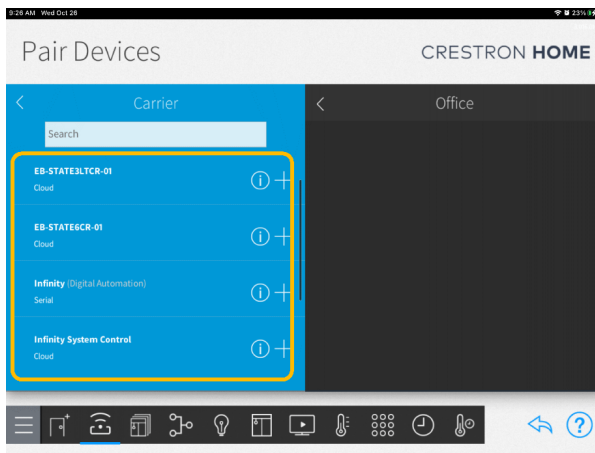
Install the CH driver (Drivers > Platform > Carrier)



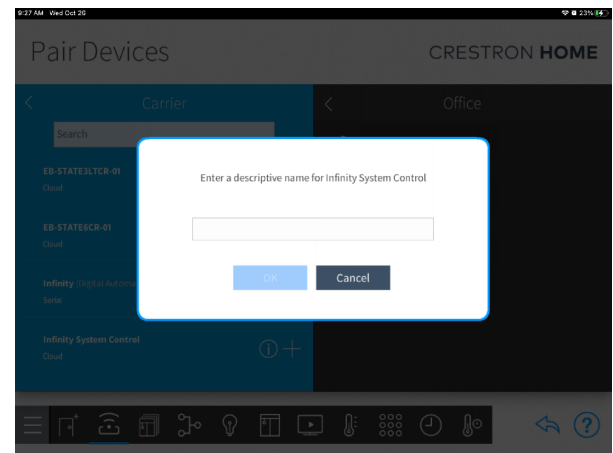
1-Select Platform



2-Select "Carrier"

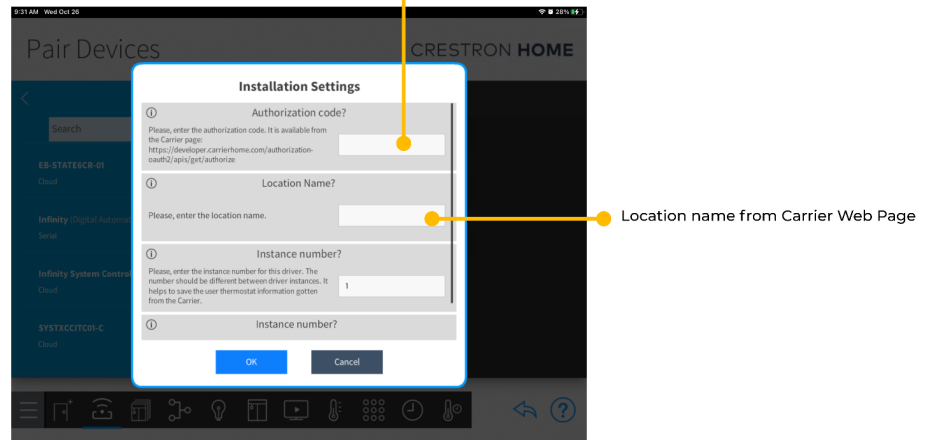


3-Add driver to Room



4-Add a name for the Thermostat

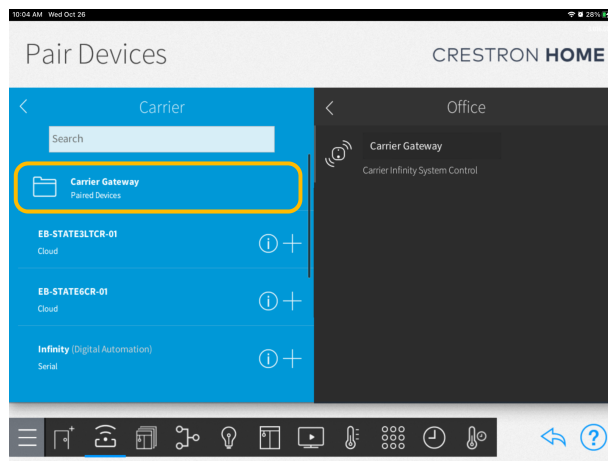
https://ec2-18-225-31-151.us-east-2.compute.amazonaws.com/carrierauth?code=1234567890-ABCdefGHIjkIMNOPQRstuVWXyz_1234&state=crestron



5- Enter the authorization code, location name, instance number, and license key. Leave "Delete configuration file" unchecked.

Note:

- Only check "Delete configuration file" when removing the driver instance. It should remain unchecked for regular operation.

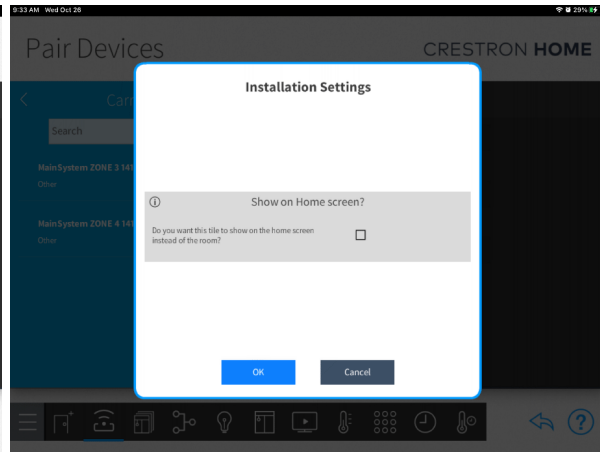


6- The system will query and create a folder with all the available Carrier systems. Add each one to the appropriate room.

Note: This driver lists all available zones per each system.

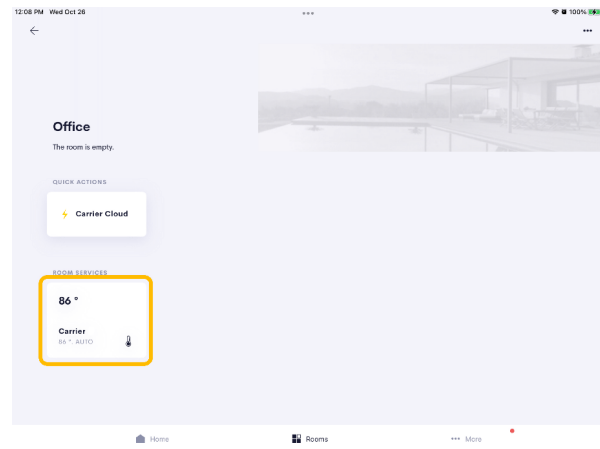
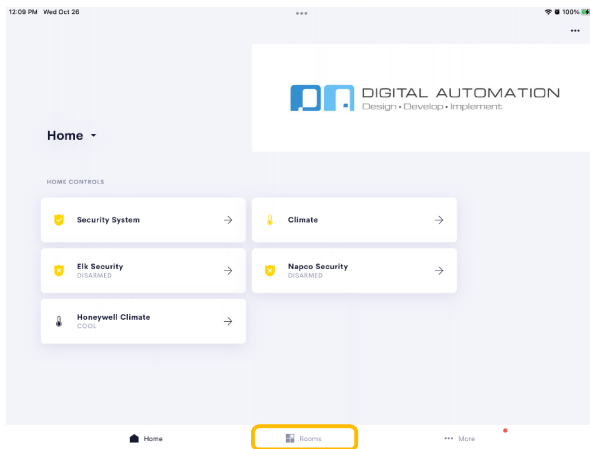


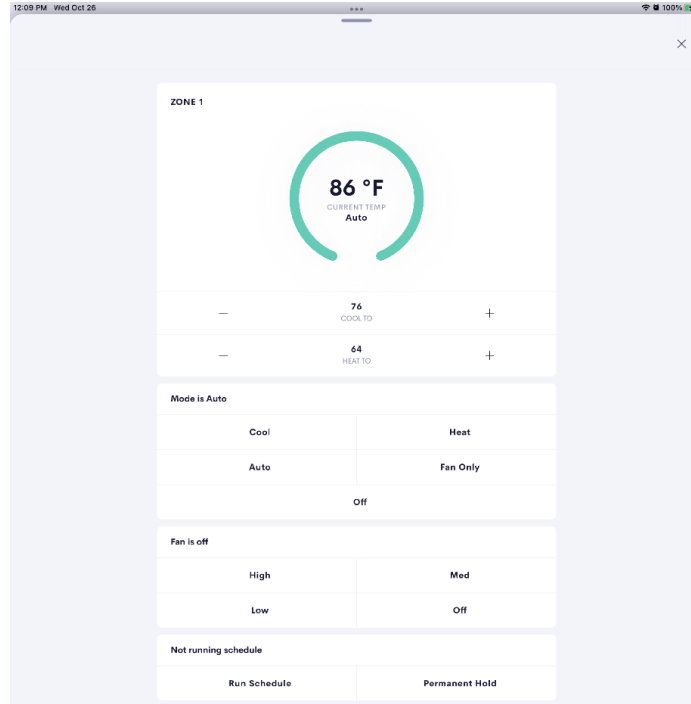
7- Add the driver to a room



8- Select where the tile will be shown
(Home page or Room Page)

End-User Experience





Setpoints:

When auto mode is selected, there will be a 2-degree deadband between the two setpoints. Setpoints can also be adjusted via “Quick Actions”.

Schedule functionality:

The driver shows the scheduler status and can run the schedule or set it to permanent hold.

Known Issues

- There are some visualization issues with the UI for Crestron App on IOS, please close and open the driver again. This issue has been reported to Crestron.
- In Crestron Home app on IOS, the Off mode button disappears when any of the set point buttons have their visibility affected. This issue has been reported to Crestron.
- Depending on Carrier’s service response time and the number of systems, the driver may take some time to populate the list of thermostats inside the folder, in some cases, it may take several minutes.
- If you are going to

Supported Features

- System Mode Changes (Off, Cool, Heat, Auto). Auto is available if the device supports it and has it enabled.
 - Fan Mode Changes (High, Med, Low, Off)
 - Setpoint Changes (Cool and Heat)
 - Schedule Mode (Run, Permanent Hold)
 - Show the thermostat tile on the home screen.
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Test Environment

The following hardware was used for testing:

Crestron hardware:

CP4R - firmware v2.8000.00024 (Mar 30, 2023)

Crestron Home (processor) 3.020.0106

TSW - firmware 1.006.0046

Android - 3.20.8+pr

iOS - 1.21.15

Supported Models

- Infinity System Control SYSTXCCITC01-C
 - Infinity System Control SYSTXCCWIC01-B
 - Ecobee 4 Lite Pro EB-STATE3LTCR-01
 - Ecobee Smart Thermostat Premium with voice control EB-STATE6CR-01
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Contact Information

If you have any questions please contact us at drivers@digitalautomation.us

Version History

1.0

10/25/2022

- Initial release.

1.1

12/12/2022

- Issue resolved with mismatch what the driver expects from the API.
- Issue resolved when the driver does not handle system names with spaces.

1.1.1

02/17/2023

- Issue resolved with multiple instances added.

1.2.0

03/01/2023

- The driver no longer requires the system name, only the location name.
- The driver will now auto-populate and list out all the thermostats at a particular location.
- The driver will only control the first zone of each system.

1.2.1

06/02/2023

- Issue fixed with the feedback for some device models. One parameter is not sent by Carrier service.

1.3.0

06/09/2023

- Issue fixed to send commands when the device has multiple zones enabled.
- A new feature was added to control multiple zones for each system. This enhancement allows users to have finer control over their paired devices.

1.3.1

08/03/2023

- Fixed a case where the room control tiles won't show up after a processor reboot without internet access. After internet access is restored, it may take up to 10 minutes for the tiles to show up.
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