

Original Carrier Côr Thermostat Integration Release Notes

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Introduction

The Original Carrier Côr thermostat is a smart thermostat. The Côr has been tested and certified for integration with the ClareHome system.

Note: This integration only supports the Original Carrier Cor thermostat, not other thermostats in the Carrier Cor line.

By integrating the Original Carrier Côr thermostat to a ClareHome control system, your customers can send commands to the thermostat to change modes, cool and heat settings, and fan status from their mobile iOS devices or Android smartphones.

When integrating the Côr thermostat into your ClareHome project, no wires or extra connections are necessary. Install the Côr according to its documentation, and then connect it directly to Wi-Fi on the home network.

The Côr thermostat integrates with the ClareHome system in a way similar to the existing HVAC integrations. All HVAC integrations share a common UI, so that the user experience is consistent.

Temperature settings can be controlled via events. Use Fusion's Scenes and Rules to automate the actions your customers want.

The Following figure shows the Côr controls on the ClareHome UI.

Figure 1: User interface of the Côr Wi-Fi thermostat



- (1) Temperature setting displays on the ClareHome UI in Fahrenheit.
- (2) Change the Heat set point by tapping the up/down arrow.
- (3) Change the Cool set point by tapping the up/down arrow.
- (4) Change the Operation mode by tapping the desired radio button.
- (5) Change the Fan mode by tapping the desired radio button.

Installing the Côr thermostat

A qualified installation technician should install the Côr thermostat. Refer to the documentation included with your Carrier devices. Clare Controls does not assume any responsibility for damages caused by improper installation or connection to the network. Register your thermostat with on the Côr website before adding and configuring the device in Fusion.

Connecting the Côr thermostat to ClareHome

Registering a Côr account:

After installation, register the thermostat. Registering the thermostat allows you to assign a name to the thermostat, and later, obtain an access token. This is required for Fusion configuration and function within the ClareHome system.

To register the thermostat:

- 1. From your browser, access carrier.com/myhome.
- 2. Click **Register** next to the Côr thermostat.

| | | | CARRIER GLOBAL | CONTACT NEW | S SEARCH | ٩ |
|---|---|---|---|--|--------------------------------------|---|
| Carrier turn to the experts | OME COMFORT | | | | | |
| | PRODUCTS | FOR BUYERS | FOR OWNERS | EXPLORE | ABOUT | FIND A DEALER |
| Owners CARRIER V Welcome to your portal for remot mmediately interact through you smartphone or desktop under DC Login or Register by che | VI-FI THERMO e access. Registering your device is re- r web browser with the system in the sa WMLOADS. Doosing the links associated w | Quired to use Remote me way as you do at rith your control | OGIN Access. Once you've home. You may also ler below: | e properly registe download our rem | red your systen tote controller a | n, you will be able to pps for use on your |
| - | INFINITY® TOUCH CONTROL SYSTEMS Product Information Register your thermostat Learn more | Downloads MyInfinity ^{BM} App MyInfinity ^{BM} Ap MyInfinity ^{BM} Ap | for iOS® pfor Android® pfor Desktop ¹ | 1 | REGISTER | |
| 72 | CÔR™ THERMOSTAT <u>Product Information</u> <u>Register your thermostat</u> <u>Learn More</u> | Downloads Còr Thermostat / Còr Thermostat / Android© Warranty Card | App for iOS® App for | | REGISTER |) |
| | CARRIER WI-FI® THERMOSTAT Product Information Register your thermostat | Downloads App for iOS® App for Android® |) | | register LOGIN | |

3. Follow the instructions for account creation as prompted.

Notes

- Make sure that you note the email address, password, and thermostat name used. This information is required for Fusion configuration.
- If a name is not assigned during setup, the thermostat displays its serial number. You must assign a name to the device before adding it to your project.

Configuring Côr in Fusion

Once you have installed and registered the Côr thermostat, configure it in Fusion.

To add the Côr thermostat in Fusion:

- 1. Access your project, and then click the **Devices** tab.
- 2. Click the **New Device** button ⁽²⁾ to display the Select Template dialog, and then browse to Carrier WiFi Thermostat.

Climate > IP Thermostats > Carrier WiFi Thermostat

| Select Template | 8 |
|---|-------|
| Device Templates | |
| type filter text | |
| Access | |
| E CCTV | |
| 🛛 📶 Climate | |
| 🛛 💄 IP Thermostats | |
| 🛔 Aprilaire 8810 - No Humidistat | _ |
| 🛔 Aprilaire 8820 8830 (IP) | = |
| Aprilaire HVAC Controller | |
| 👠 Carrier - Infinity [Dynamic] | |
| Clare Controls - TW-Humidity Series | |
| 🕴 Carrier WiFi Thermostat | |
| 🛔 HAI - Omnistat 2 - RC-2000 - Humidistat | |
| 🛔 Honeywell - WiFi Thermostats (IP) | |
| 🔒 Nest Learning (IP) | |
| 🚦 Tekmar tN4 Gateway 482 (Serial) | |
| Z-Wave Thermostats | |
| > 🛅 Entertainment IP Devices | |
|) 🗃 Entertainment IR | * |
| Communication Method: Other | v |
| ОК | ancel |

3. Click OK.

The **Details** tab displays.

| 🔋 *Carrier WiFi The | ermostat (device) 🖂 | - 8 |
|---------------------|--|-----|
| | 🗒 🖼 🗟 🗟 | Ħ |
| Details Configure | Test | |
| Icon: | 8 | |
| Name: | Carrier WiFi Thermostat (device) | |
| Manufacturer: | Carrier | |
| Model Number: | WiFi Models | = |
| Master Template: | Carrier WiFi Thermostat Change Device Template | |
| Types: | IP Thermostats | |
| Notes: | Works with Cor and Carrier WiFi Thermostats. Requires a token to be enter by the integrat(Must get a different token for each thermostat in project. | |
| Version: | 1.0.0 | • |

- 4. Enter a name and notes for the thermostat.
- 5. Click the **Configure** tab, and then enter values in the following fields:
 - Thermostat ID: Enter the thermostat number associated with that Côr thermostat.

Note: The Thermostat ID is unique. We recommend numbering the thermostat in installation order. For example, the first thermostat installed has the thermostat id of 1, the second thermostat has a thermostat id of 2.

• **Device Name:** Enter the same name assigned to the Côr thermostat in registration.

Note: The device name is case sensitive.

| *Carrier WiFi Thermos | tat (device) 🔀 | | |
|------------------------|----------------|-----------|--|
| | | | |
| Details Configure Test | | | |
| Configuration Prope | rties | | |
| Name | Value | Mandatory | Description |
| ⊿ General | | | |
| Thermostat ID | 1 | yes | This device property is used by function groups that nee |
| A Network Controller | | | |
| Device Name | Den | yes | The name associated with the Ecobee thermostat. Devic |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

6. Click the **Save** button \blacksquare .

The Create Service dialog displays.

| Create Service | | | \otimes |
|----------------------------|--------|--------|-------------|
| Service Name: | | | |
| Carrier WiFi Thermostat (d | evice) | | |
| | | | |
| | | | |
| | ОК | Cancel | Open Wizard |

7. Click **OK**, the service is automatically created for you.

Note: You can select Open Wizard to check or change the controls points as needed.

8. Deploy the project.

You must pair the thermostat after deploying the project.

Pairing the thermostat

Note: The device must be deployed before it can be paired.

After you have configured the Côr in Fusion and deployed, you must pair the thermostat to the project. You will need access to the Fusion and the Clare Controls Côr website.

To pair the thermostat to your project:

- 1. Access your Fusion project, and then double click on the Côr thermostat.
- 2. Click the **Test** tab, and then expand **Network Device Authorization**.

| 🛔 Ecobee Thermostat - (IP) (device) 🔀 | - | - 8 |
|---------------------------------------|---|-----|
| | | |
| Details Configure Test | | |
| | | |
| ▶ Fan Mode | | |
| → Humidistat | | |
| Network Controller | | |
| ▼ Network Device Authorization | = | = |
| Start Pairing Send Pairing Code | | |
| SetPoints | Ť | • |

3. Click Start Pairing.

The Operations Arguments dialog displays.



4. Copy the web address displayed in the dialog (https://www.clarecontrols.com/ecobee/), and then click **OK**.

5. Open a new browser tab and browse to the copied url.

The Clare Controls Côr landing page displays.

| Carrier turn to the expe | erts | |
|-----------------------------|---------------|-----------------------|
| | Lo | g in to Authorize App |
| | Email Address | |
| | Password | |
| | | Clear Log In |
| | | |
| | | |

Note: If you are currently logged into the Côr website, the Authorize App dialog displays. You will not have to log in again.

6. Login with the credentials used for the Côr website.

You are prompted to authorize ClareHome to access the thermostat.

Authorize App

| (C You are authorizing "ClareHome", provided by Clare Controls. | | | |
|---|--|--|--|
| This App will have permissions to modify the thermostat settings and data in your account. | | | |
| This App is not provided, tested or warrantied by ecobee. You agree to use this App at your own risk. | | | |
| Application Summary: | | | |
| ClareHome App Integration | | | |
| Application Description: | | | |
| ClareControls integration for Ecobee Thermostats | | | |
| Decline Accept | | | |

7. Click Accept.

The thermostat token displays.



8. Click Copy to Clipboard, and then return to the Fusion browser tab.

| 🜡 Carrier WiFi (device) 🛛 🕅 | - [| 3 |
|--|-----|---|
| | | |
| Details Configure Test | | |
| | | 1 |
| ▶ Fan Mode | | |
| ▶ Humidistat | | |
| Network Controller | | I |
| Network Device Authorization | = | |
| Start Pairing Send Pairing Code | | |
| SetDoints | V v | |

9. Click Send Pairing Code.

The Operations dialog displays.



10. Paste the token into the Operation Arguments **IN1** field, and then click **Execute**.

Test the thermostat to ensure that it is connected to ClareHome.

To test the Côr thermostats connection:

- 1. Double click the thermostat, and then click the **Test** tab.
- 2. Expand SetPoints.

The current setpoints are displayed.

Configuring rules with the Côr thermostats

Configure a rule for your thermostat. The example below shows how to set a rule for alerting the customer of the home's temperature. If the thermostat reaches above 72°F, an email notification is sent.

To create a rule for the thermostat in Fusion:

1. Access your project, and then click the **Rules** tab.

| 🐻 Setup 📼 Devices 🔞 Services 🎬 Scenes 📴 Rules 📓 Troubles | hooting 🗖 🗖 |
|--|-------------|
| | S 🕒 🕒 |
| type filter text | |
| Name | Туре |
| 🕎 Good Morning | Rule |
| 🕎 Good Night | Rule |

- 2. Click the **New Rule** button 😳.
- 3. Enter a name for the rule, and then select the Enable Rule checkbox.

| 🕛 *Rule_ | 1 🗙 | |
|----------|-------------------|---------|
| Rule I | nfo | |
| Name: | Its getting warm! | Enabled |

- 4. Configure the Event Part as below.
 - Event Type: Device Property Change Event
 Note: This event type is replacing the Device Property Change Event.
 - Device: Côr thermostat
 - Function: Heat Cool Temperature Actuator
 - **Property:** Heat Setpoint
 - Constraint: <
 - Value: 72

| Event Part | | |
|-------------|--------------------------------|---|
| Event Type: | Device Property Change Event | Ŧ |
| Device: | -Carrier WiFi | |
| Function: | Heat Cool Temperature Actuator | Ŧ |
| Property: | Heat Setpoint | |
| Constraint: | < | |
| Value: | 72 | |

- 5. Configure the Action part as below.
 - Action Type: Send Email
 - Recipients: The homeowner's Email address

Note: To add an Email address, you must click the green plus icon 0. Do this for each desired Email recipient.

- Subject: The purpose of the alarm
- Text: The information included in the email

| Action Par | rt | | |
|----------------|--|---|---|
| Action Typ | e: Send Email | | Ŧ |
| Recipier | nts | 0 | 0 |
| Tivan@ | gmail.com | | |
| | | | |
| | | | |
| | | | |
| Subject: | It's getting warm! | | |
| ? <u>Text:</u> | The thermostat has reached above 72. You may want to turn on the AC. | | |
| | | | |

6. Click the **Save** button \square , and then deploy the project.

Contact information

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