

Driver – CoolAutomation CoolMasterNet Platform TCP

version 1.0.4

Driver

This release note is for the Crestron driver CoolAutomation CoolMasterNet Platform TCP.

Notes and Recommendations

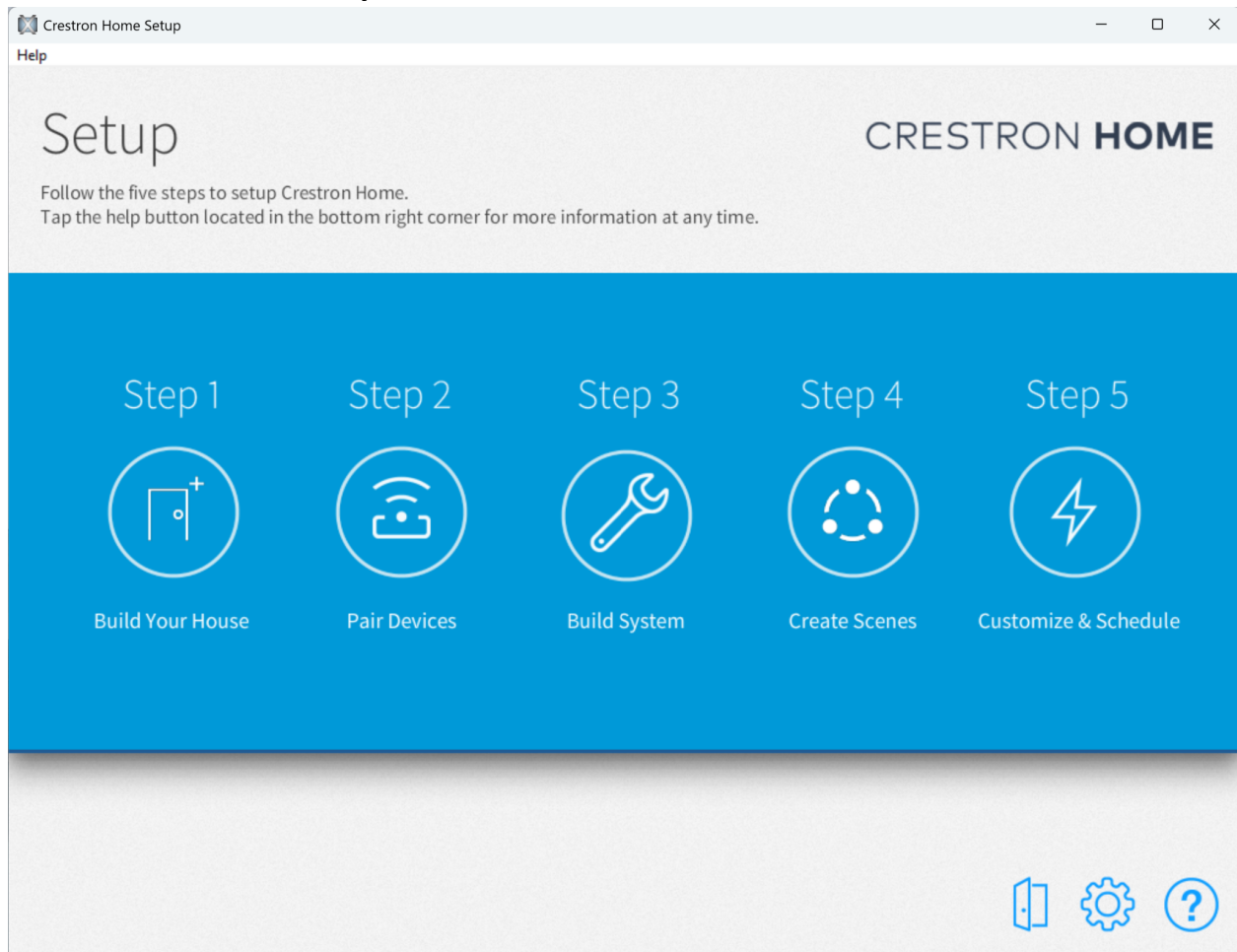
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System Requirements and Dependencies

- Crestron Home v4.004

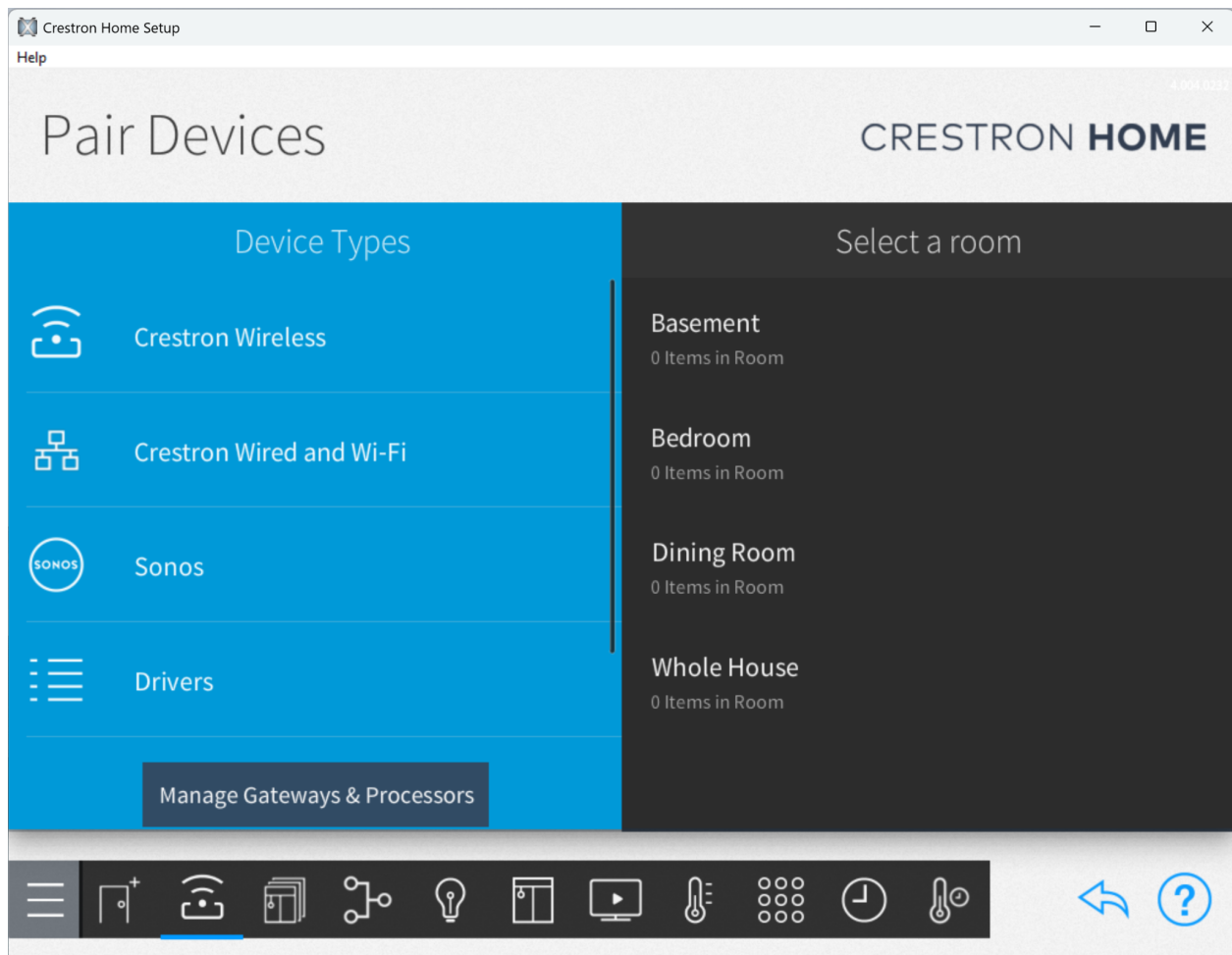
Installation/Upgrade Instructions

Add a CoolAutomation platform driver to the Crestron controller

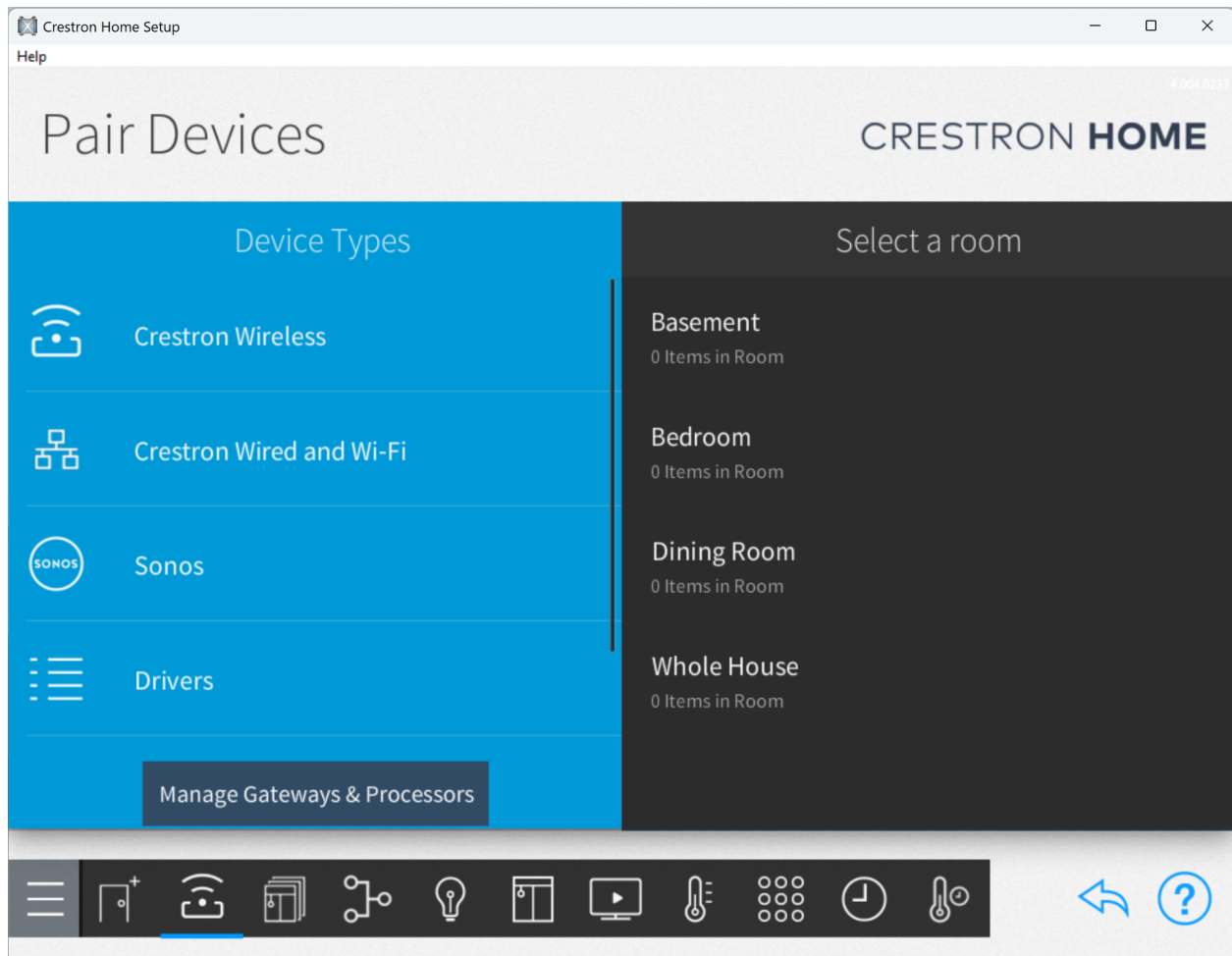


1. Add rooms on the step/page **Build your house**.

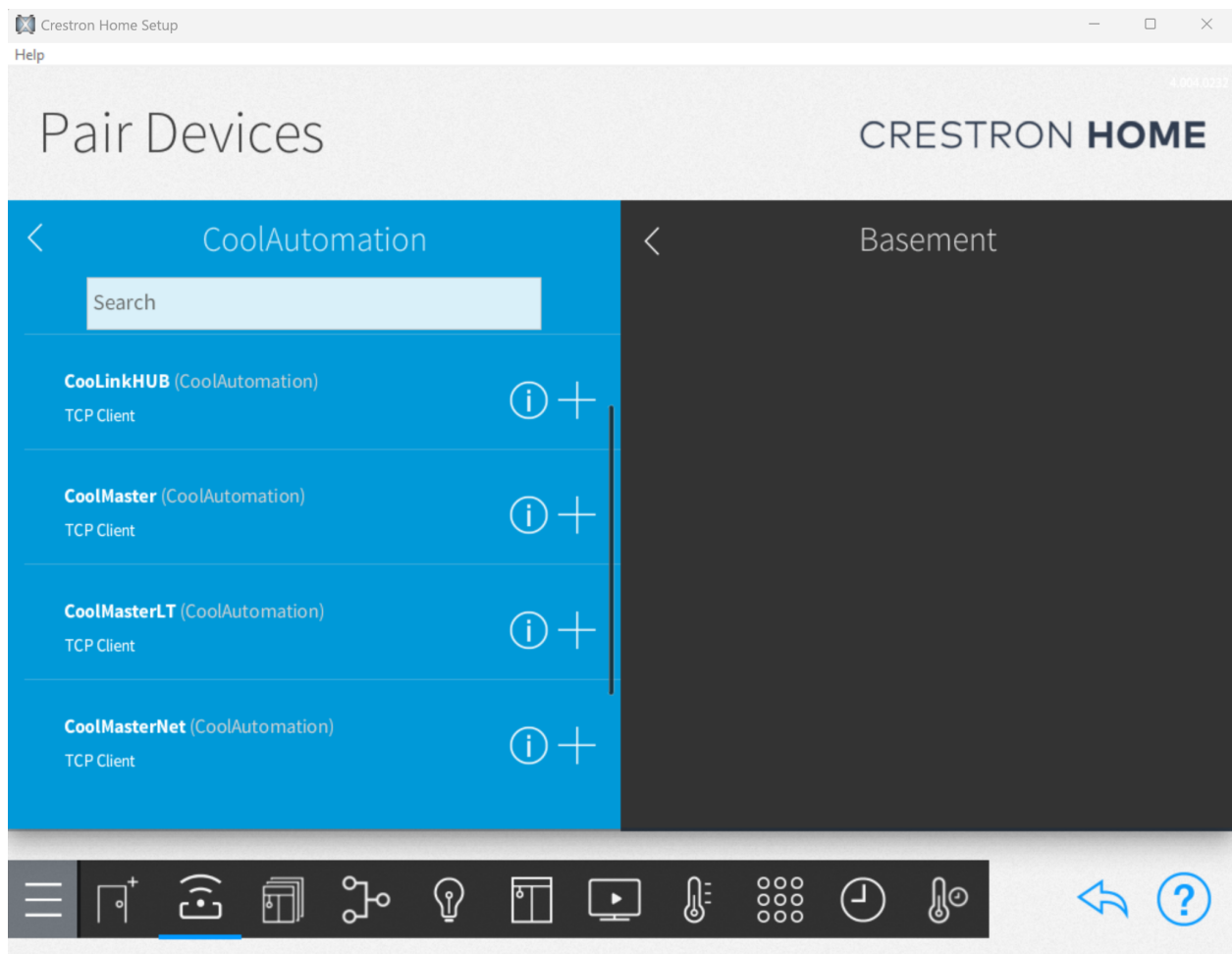
2. In the **Select a Room** menu on the page **Pair Devices**, select a room for the device.
3. In the **Device Types** menu, select **Drivers**. Wait until the Crestron Home processor updates the list of Crestron Drivers.



4. In the **Drivers menu**, select **Platform** and navigate to **CoolAutomation driver**.



5. Select a driver and then select  **Add**.



6. Accept the restart requirement. Restarting may take a few minutes.
7. Repeat the process of selecting **Drivers/Platform/CoolAutomation** (Steps 2 - 3).

8. Enter a descriptive name for the device in the pop-up dialog box.
9. Configure the provided TCP settings used for device communication: enter the device IP address or hostname. Select **OK**.

Note: CoolAutomation devices are DHCP enabled by default. The IP Address is displayed on the CoolAutomation device's screen.

The default IP port is 10102.

IP static address and IP port are changeable and could be set inside a CoolAutomation device, using touchscreen or through [CoolAutomation toolbox](#).

Enter a descriptive name for CoolMasterNet

CoolMasterNet

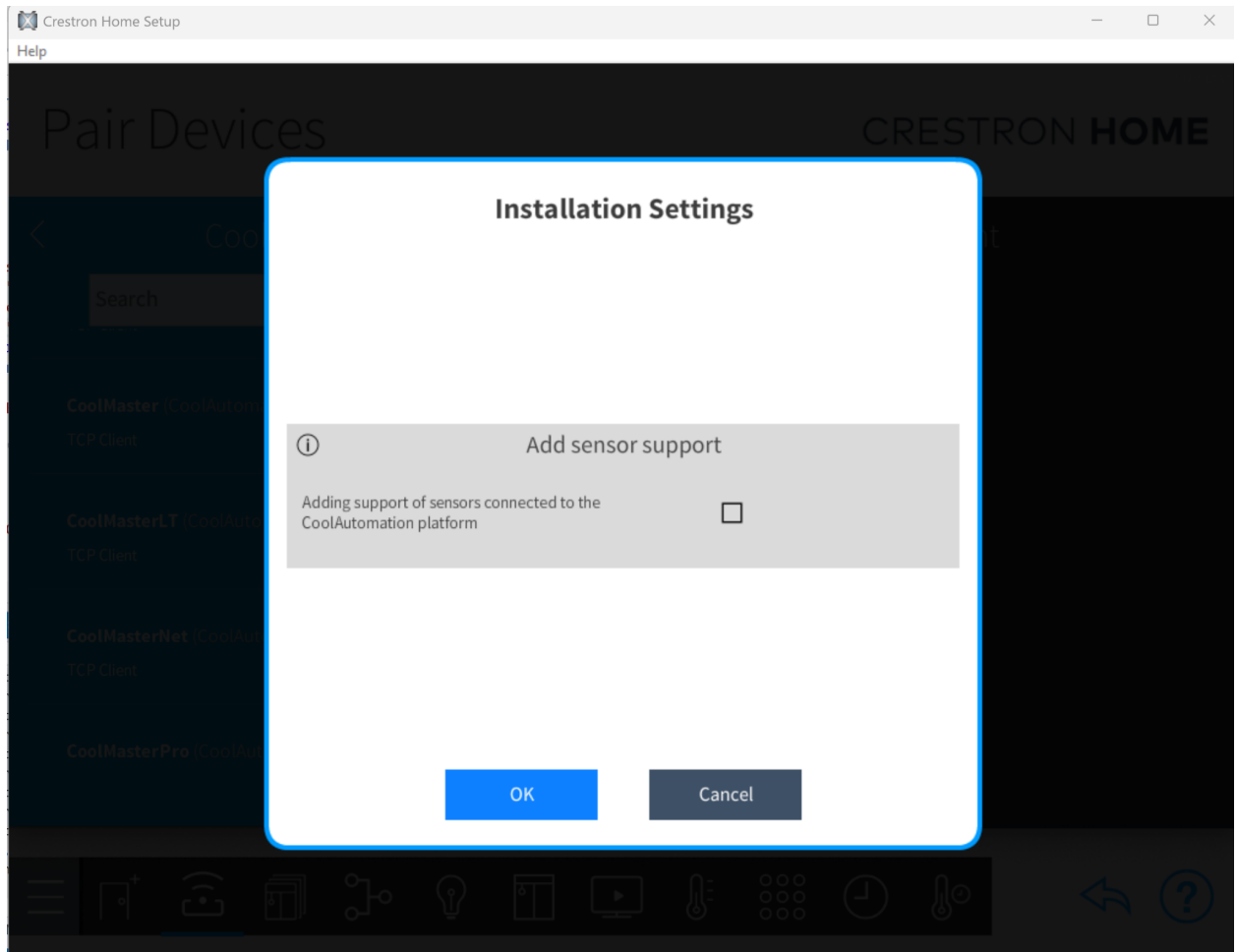
Please enter TCP/IP settings:

TCP/IP settings	Value
IP Address	192.168.10.140
IP Port	10102

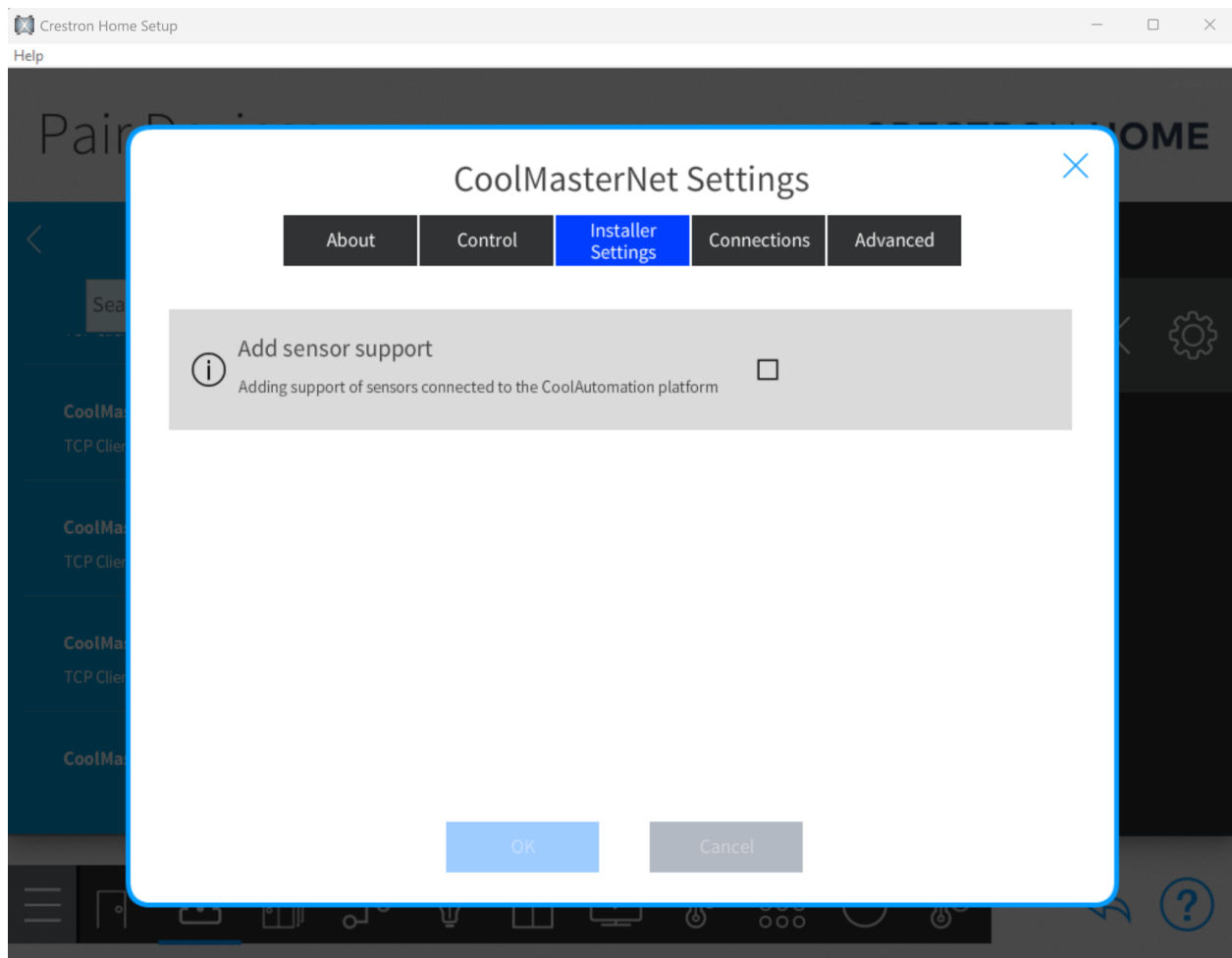
Requires Authentication: ☐

OK Cancel

10. Optional: If additional sensors are connected through CoolAutomation devices, they can be separately added to the application by selecting the **Add Sensors** checkbox in the pop-up dialog box (you can do that later after the setup procedure). Select **OK**.

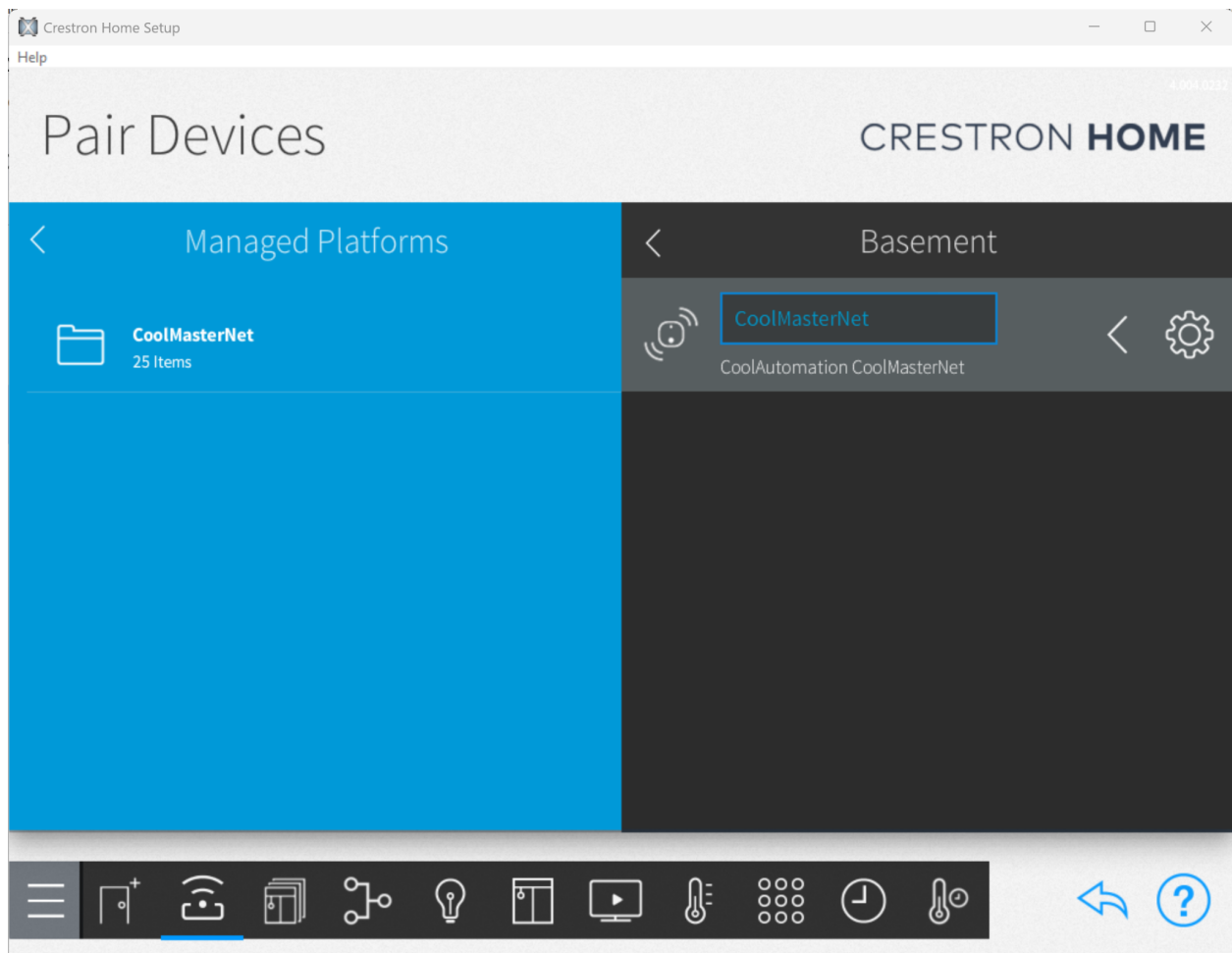


Adding sensor's support after installation:

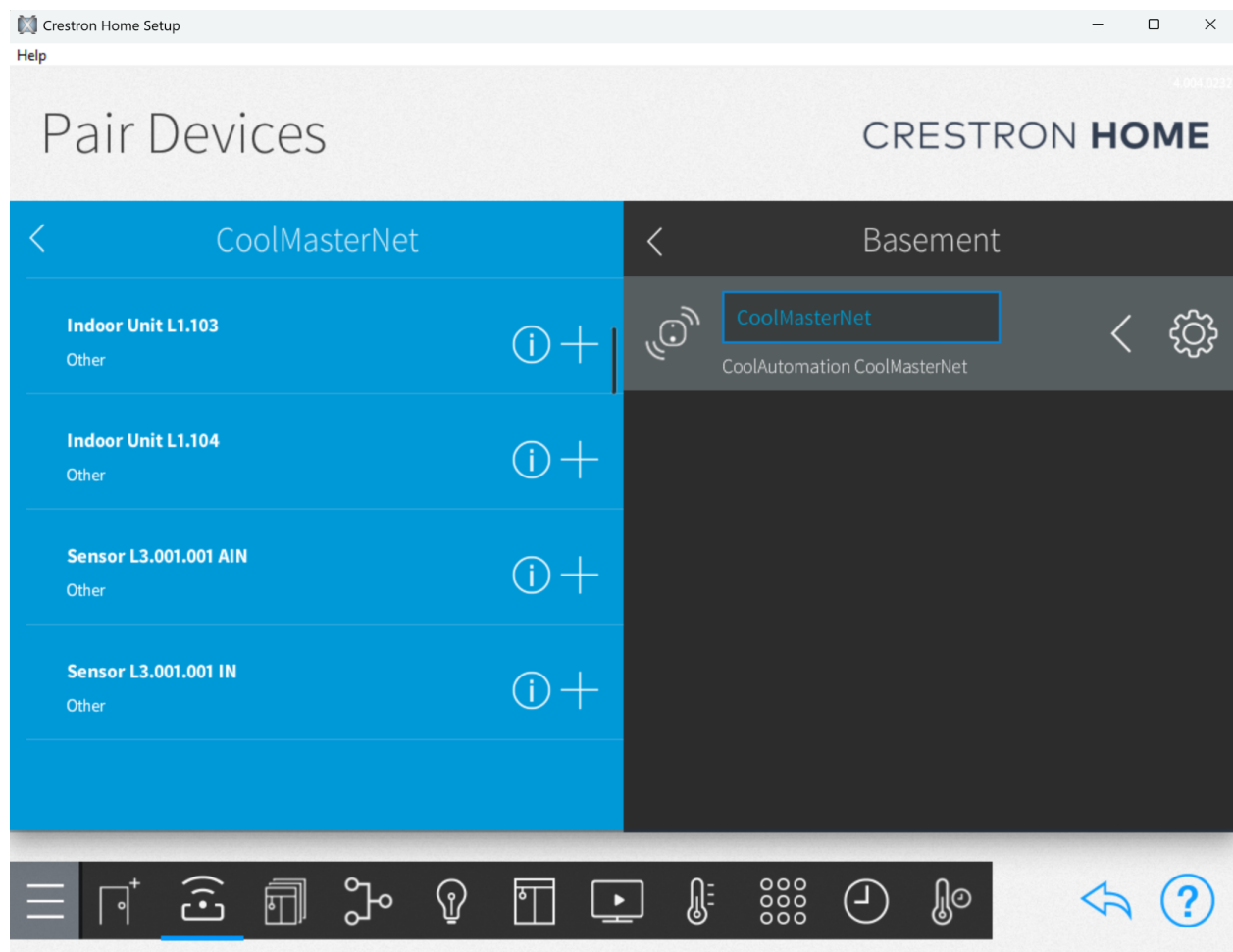


Add a HVAC unit/sensor/climate zone to a room

1. Select a **Room**
2. Back to **Device Types** and select **Managed Platforms**
3. Select the **CoolAutomation directory** ("items" indicate the number of connected indoor units/additional sensors)



Note: HVAC indoor unit (or sensor connected through CoolAutomation device) indicated according to CoolAutomation internal addressing inside the device.



Lx indicates the number of the connected line (For example L1).

Lx.nnn.mmm - nnn indicates an internal address of the selected HVAC unit.

mmm indicates the number of sensor inputs connected to the Lx.nnn device (IO board for example)

For Example:

HVAC unit: L1.105 - Unit number 105 connected through L1.

Sensor: L3.001.001 - Sensor connected to input 001, in device 001, connected to L3 of CoolAutomation device.

4. Select the HVAC unit or sensor and add it to the room, by clicking on .

Note: The temperature scale displayed in the Crestron Home App is according to the settings in the CoolAutomation device (Celcius/Fahrenheit). To change the temperature scale please refer to the CoolAutomation [user manual](#).

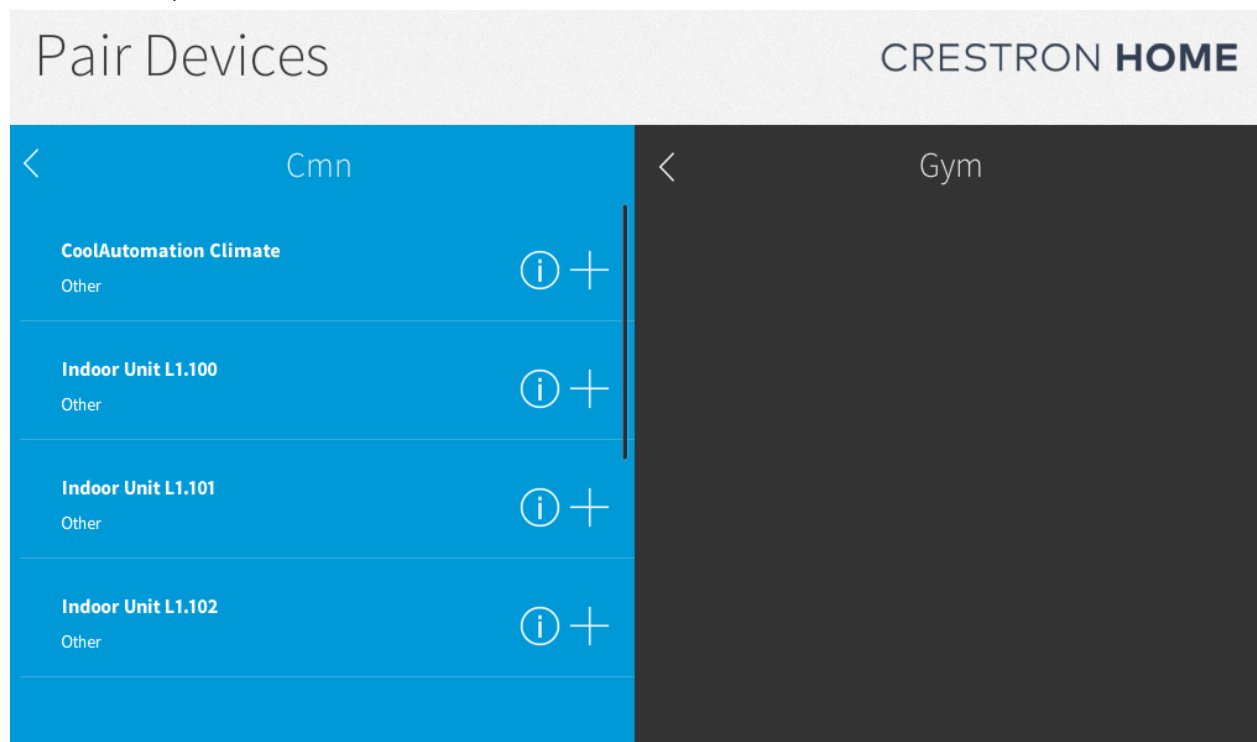
5. Select CoolAutomation climate zone and add it to the room, by clicking on .

Note: The *Climate* entity provides a unified way to control all connected indoor units and sensors within the CoolAutomation platform. When you add a *Climate* entity to a room, the Crestron Home app automatically creates a combined list of all available indoor units and sensors under that room.

In addition to showing the full list of units, the *Climate* entity offers group actions that apply to all devices at once, including:

- **All On** – turn on all climate units.
- **All Off** – turn off all climate units.
- **All Cool** – set all units to Cooling mode.
- **All Heat** – set all units to Heating mode.

This allows you to manage multiple devices together from a single control point in the Crestron Home app (on iOS or Android).

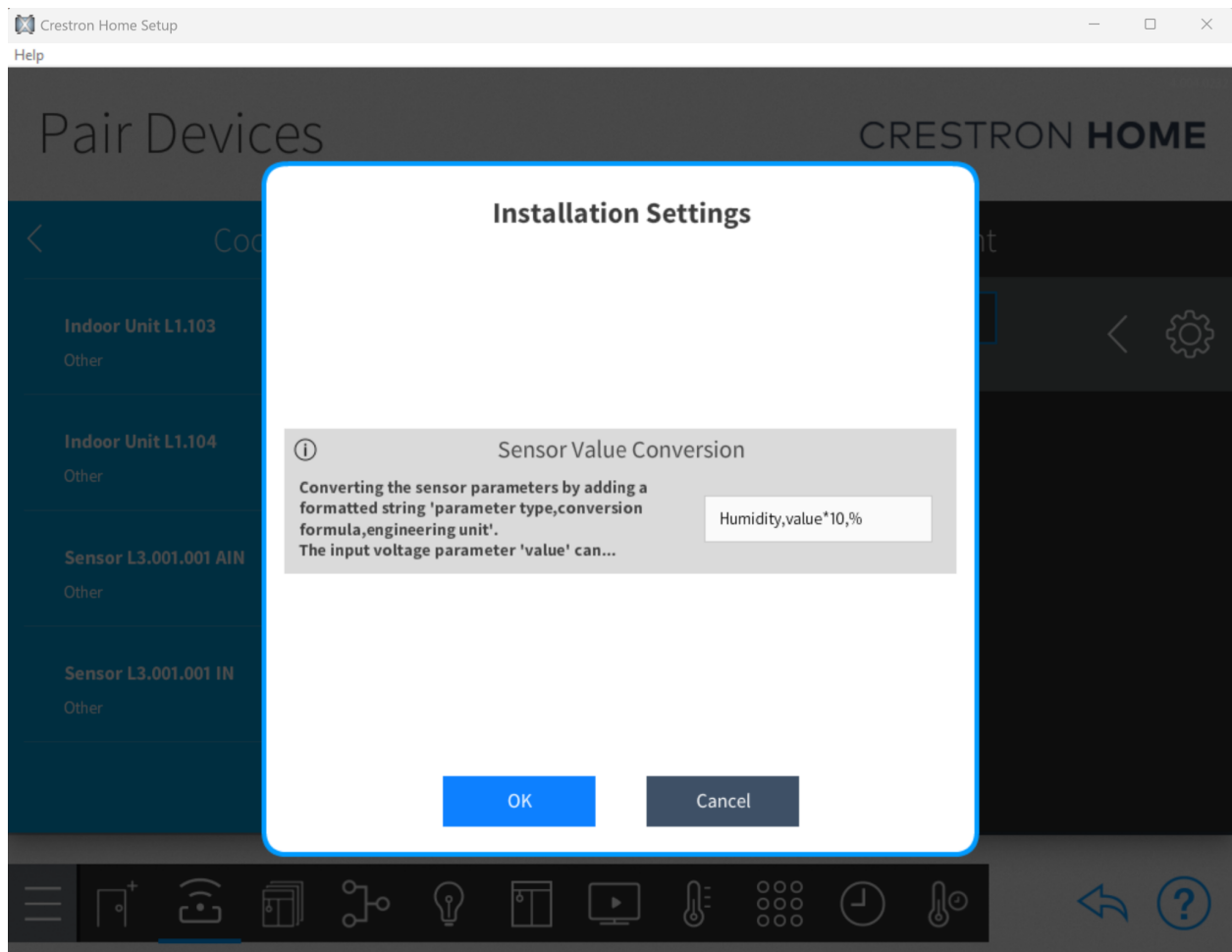


6. A sensor value conversion. *(optional)*

The input value of the sensor (connected to CoolAutomation device) can be converted by a user in the Installation Settings. It can be done by adding a formatted string parameter type,conversion formula,engineering unit'. The input voltage parameter 'value' can be converted using arithmetic operations. Supported operations are '+, -, *, /'. Spaces must be avoided.

Example.

There is an analog input with a value range of 0-10VDC, representing a humidity sensor with a range of 5-90%. To make a correct conversion this value must be multiplied by 10. The conversion string for such a sensor might look like this "Humidity,value*10,%".

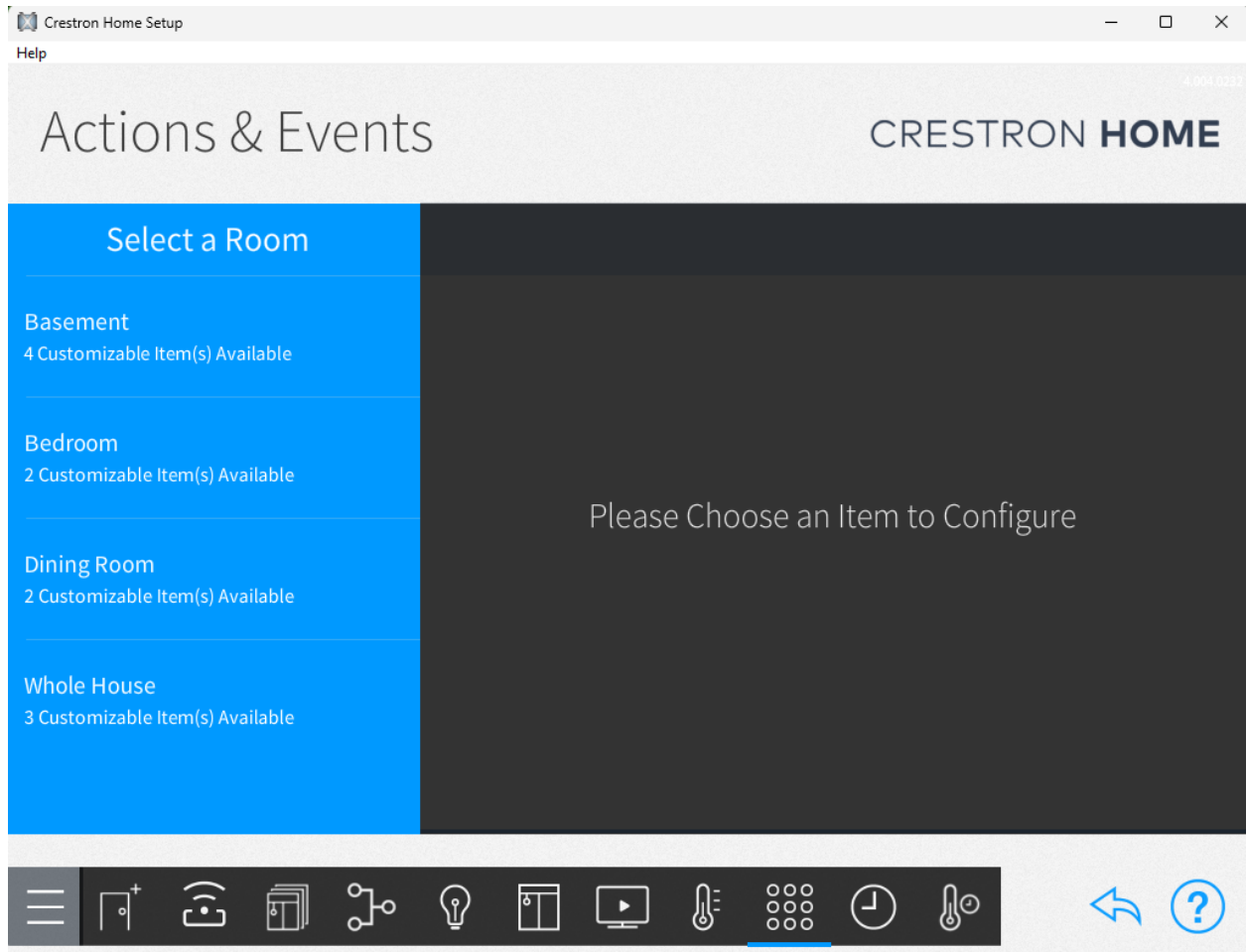


Adding actions

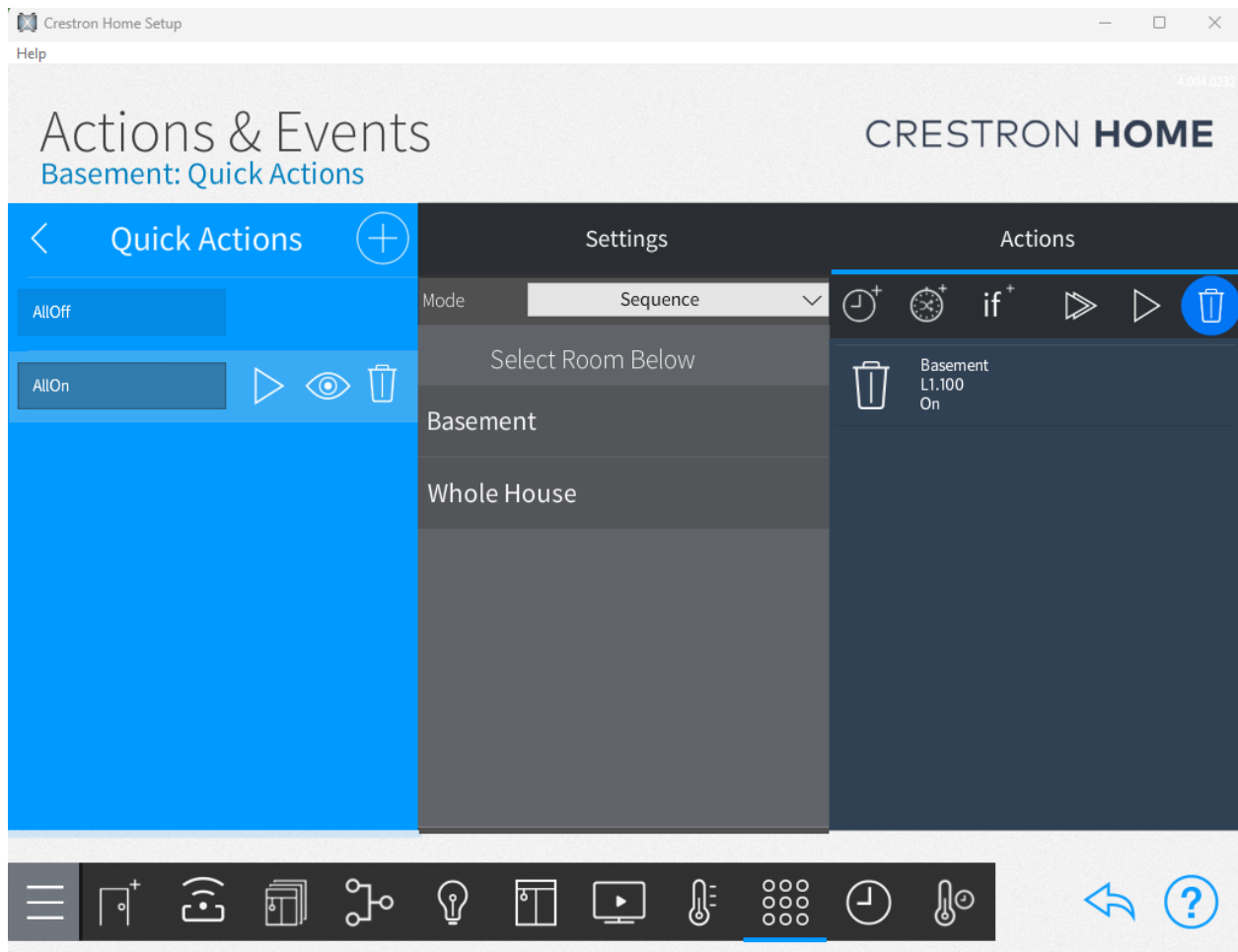
Currently, climate scenes are not available for the CoolAutomation driver. However, you can add global actions for indoor units in specific zones.

To do this:

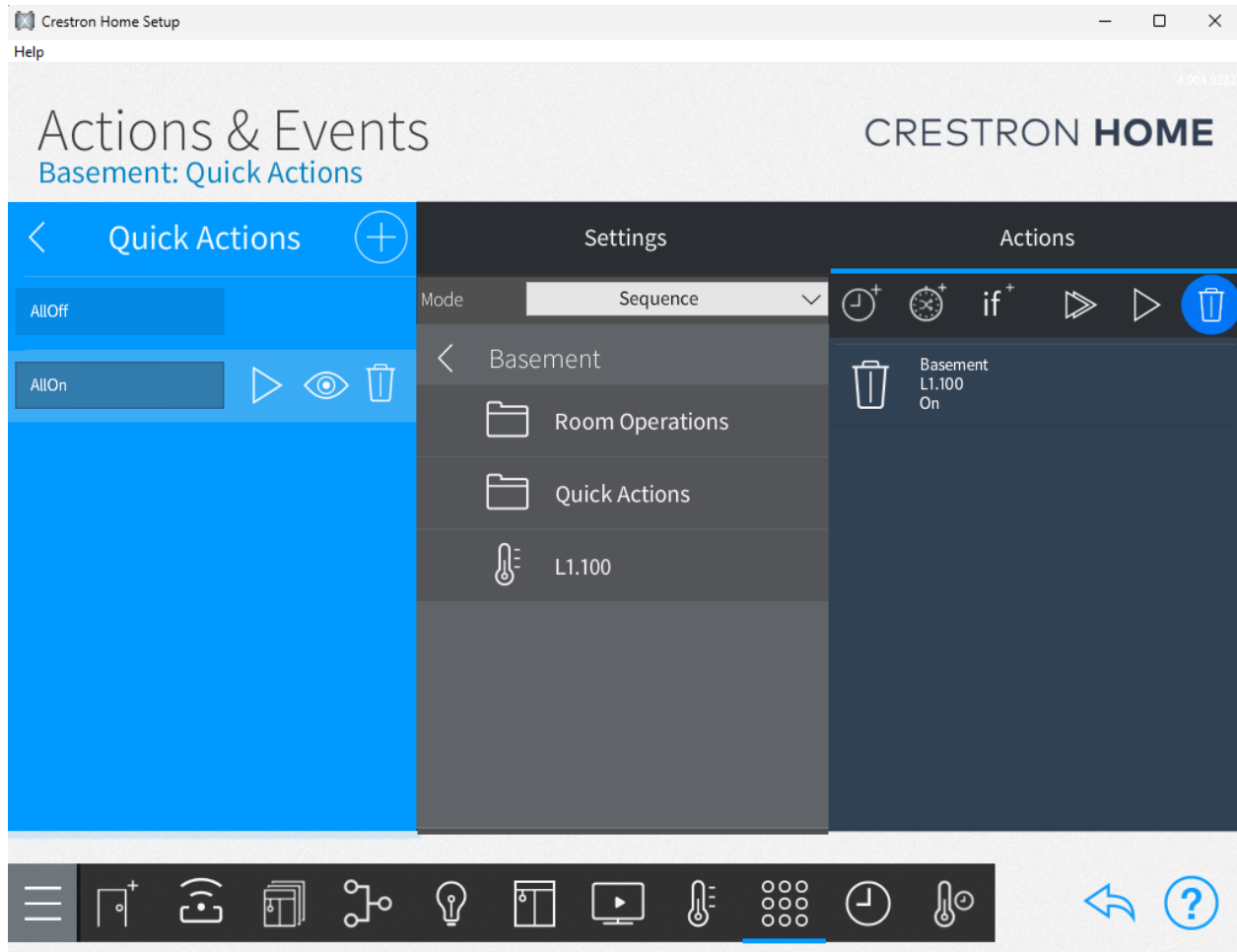
1. Navigate to the **Actions & Events** tab.



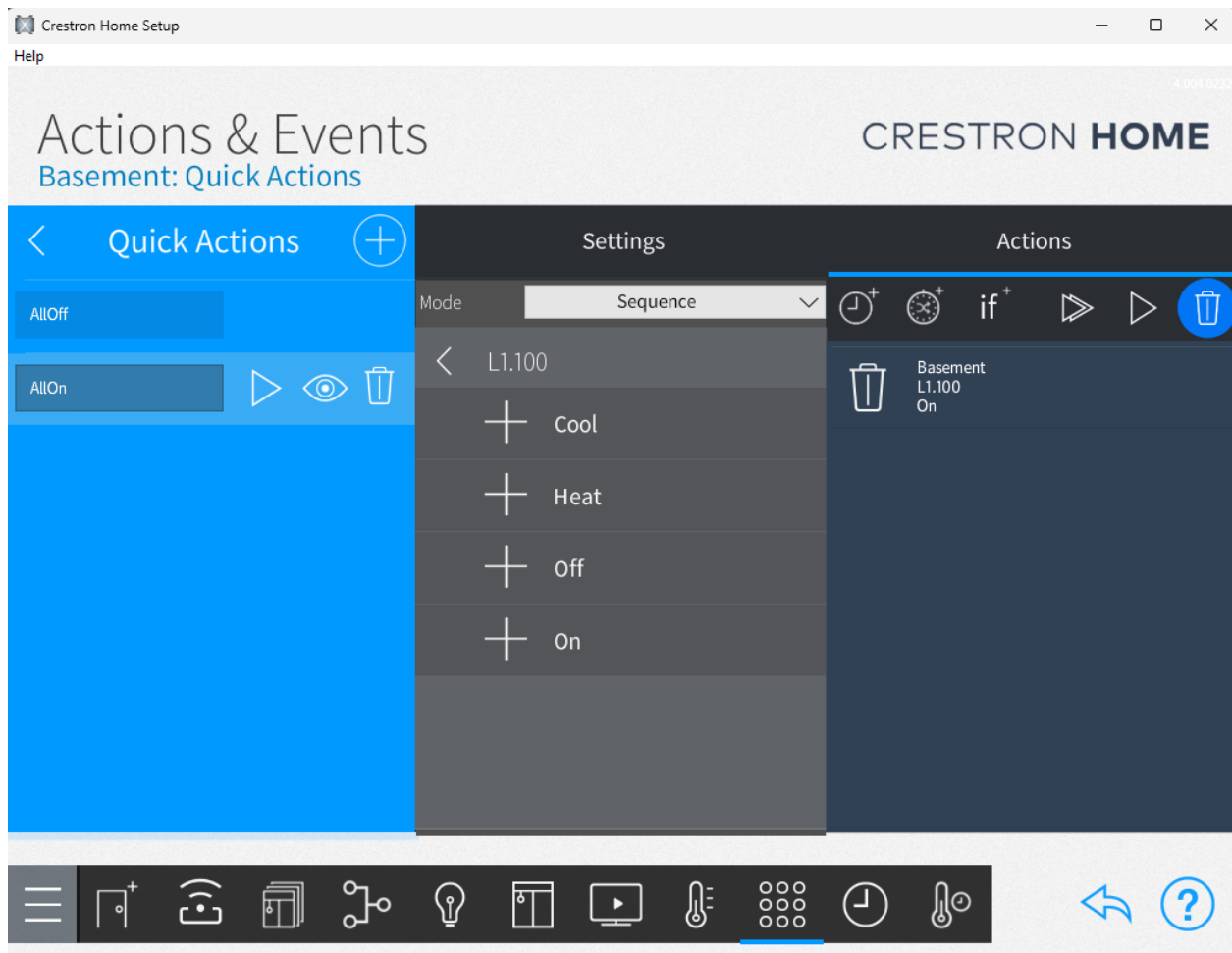
2. Select either a specific room or a **Whole House**.
3. Choose **Quick Actions** and add a new action (e.g., **AllOn**).



4. Select the action and set **Mode** to **Sequence**.
5. In the **Select Room Below** list, choose the room where an indoor unit is installed.
6. From the pop-up list, select the indoor unit.



7. In the function pop-up list, choose the desired function (e.g., **On**).
8. Press **+** to add it.



The action will now appear in the Actions list, and the corresponding button should be visible on the application page.

End-User Experience

Using the Crestron Application in Android and IOS

The **Crestron Application for Android and iOS** provides an intuitive interface for controlling the **Crestron Home OS** environment, including zones, devices, and automation settings. Our **CoolAutomation driver** integrates with the Crestron ecosystem, allowing users to control HVAC settings directly from the Crestron app's UI.

Once the Crestron Application is set up and the registration process is complete, no additional configuration is required. The CoolAutomation driver is integrated into the system, and its controls are available within the application.

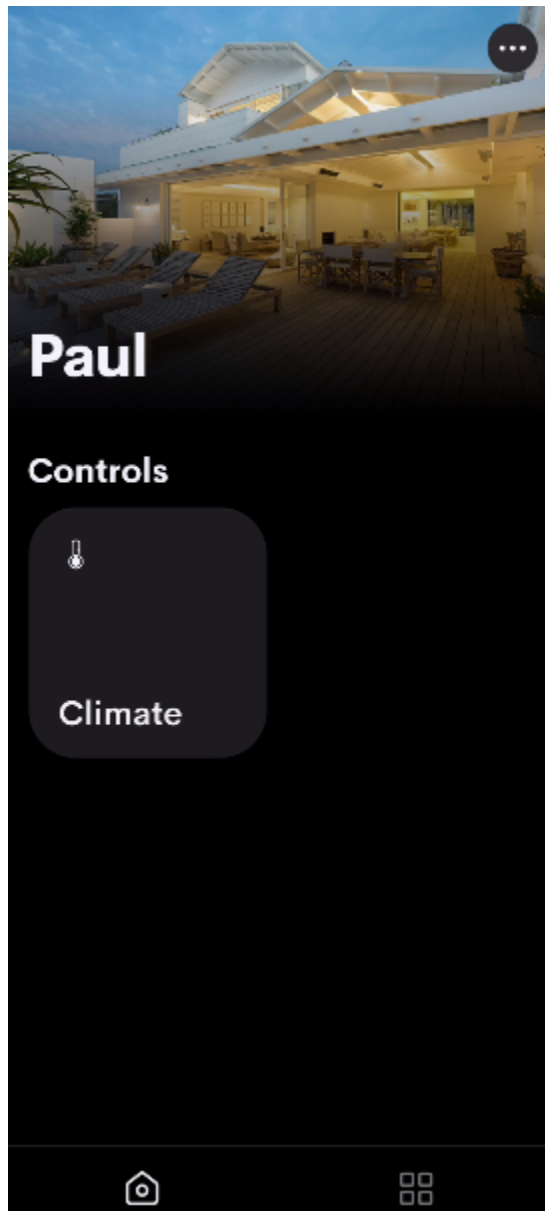
To manage HVAC settings, open the Crestron application and navigate to the relevant controls. From there, you can adjust the temperature, change modes, and control indoor units as needed.

The **Crestron Home user application** is organized into two main pages: the **Home Page** and the **Rooms Page**. The Rooms Page displays a list of all installed rooms, where individual indoor units and sensors are now shown only within their assigned rooms. The Home Page can include the *CoolAutomation Climate* entity, which provides centralized control of all climate devices in the system. Action tiles configured during setup are also added to the Home Page, allowing quick execution of predefined commands.

Note: *unit names may differ between the Climate list and the Rooms Page, since users can rename indoor units when assigning them to rooms, but the names in the Climate entity list cannot be changed at this time.*

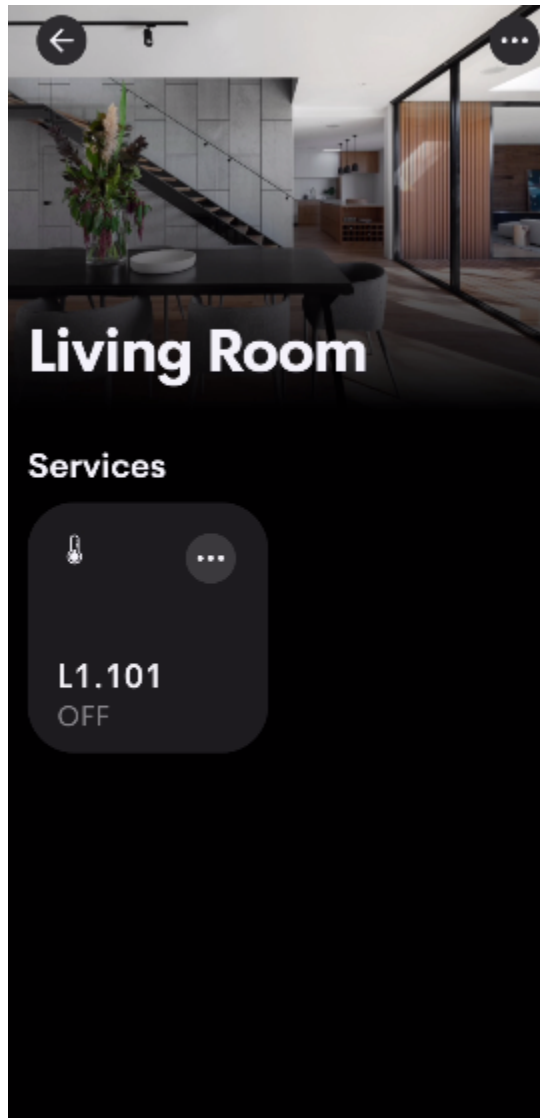
1. Home page.

The home page gets access to the *CoolAutomation Climate* entity.



2. Room pages

Room pages contain individual indoor units and sensors.

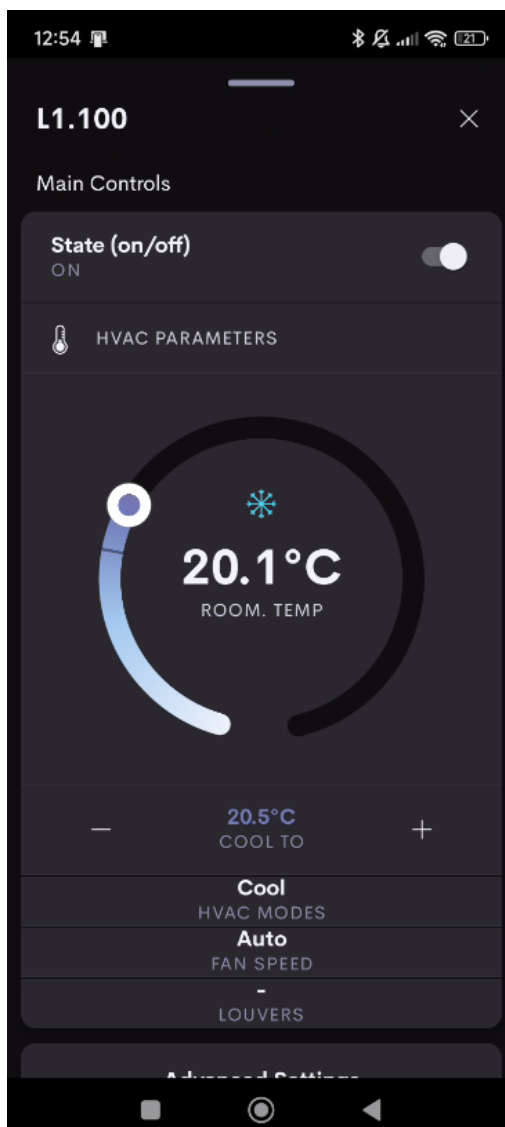


3. Control Page (Indoor controls and settings).

The **Control page** provides access to key HVAC functions for individual indoor units. From this page, you can:

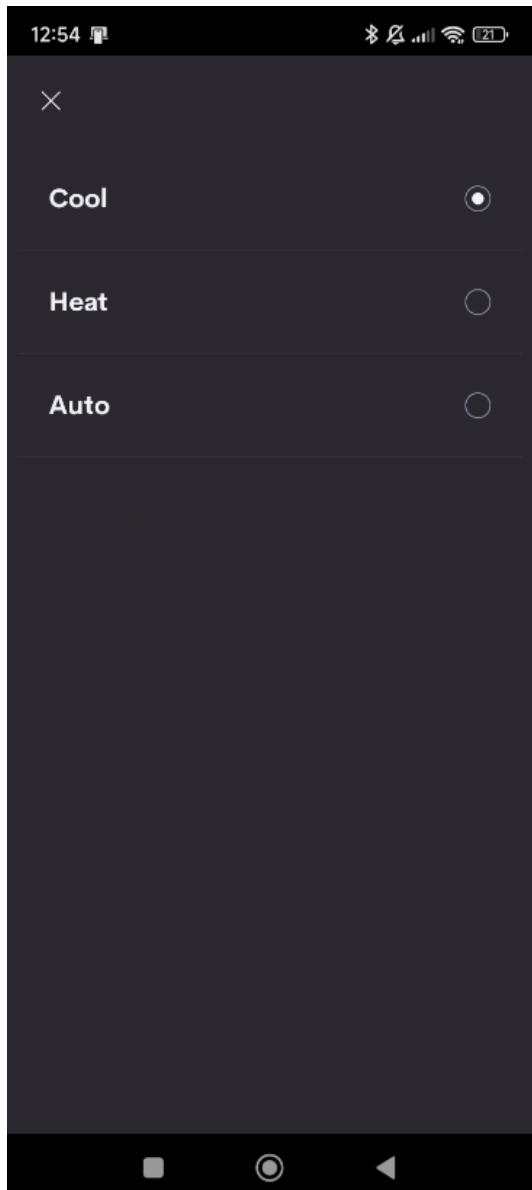
- Adjust temperature settings
- Switch between HVAC modes (Cool, Heat, Auto, etc.)
- Set fan speed levels
- Control louver positions (if supported)
- Access advanced settings to customize available modes based on system capabilities

This page ensures direct control over indoor climate settings, allowing adjustments based on the specific features supported by your HVAC system.



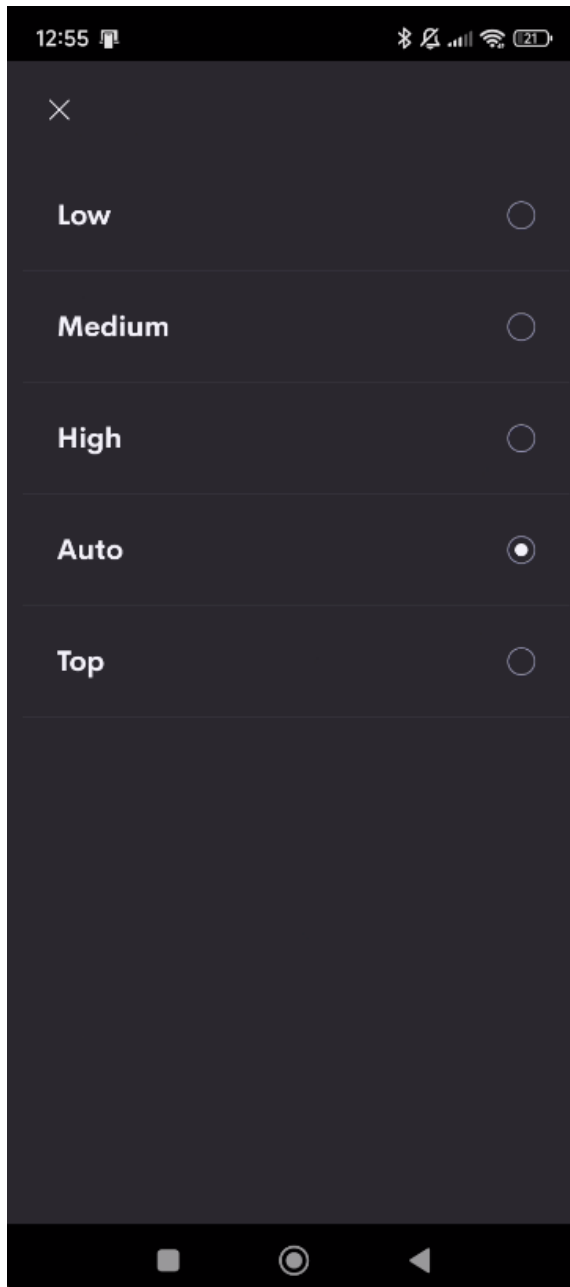
4. HVAC Modes Selector Page

This page allows you to select and switch between available HVAC operating modes, such as Cool, Heat, Auto, Fan, and Dry, depending on the system's capabilities.



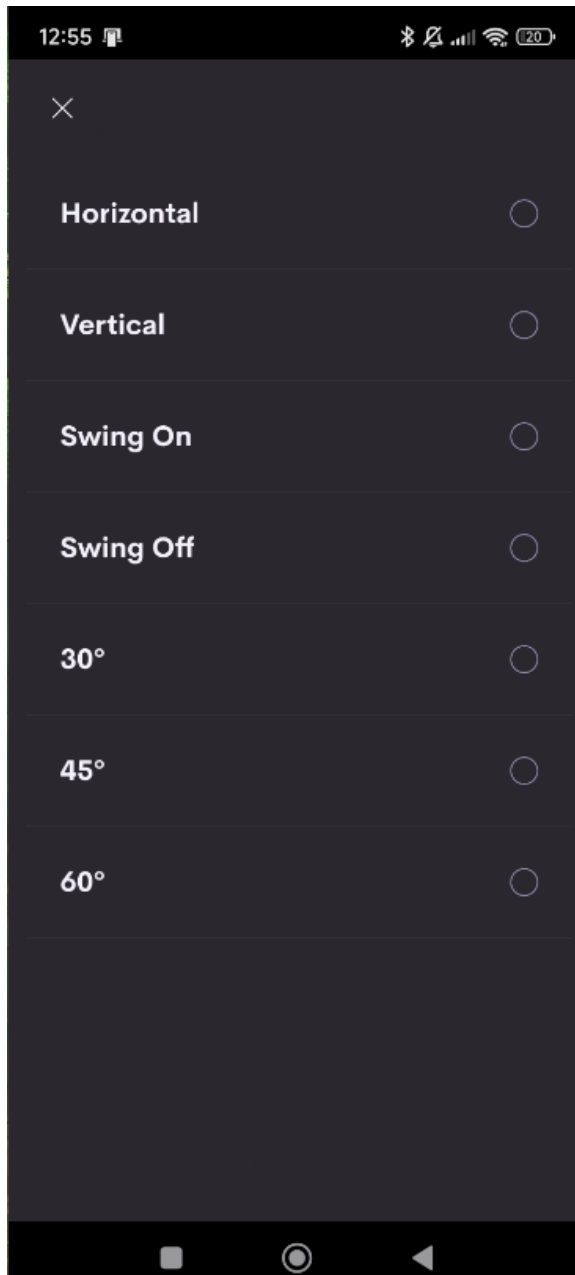
5. Fan Speeds Selector Page

This page provides options for adjusting the fan speed, including **Low, Medium, High, and Auto**, based on what the connected HVAC system supports.



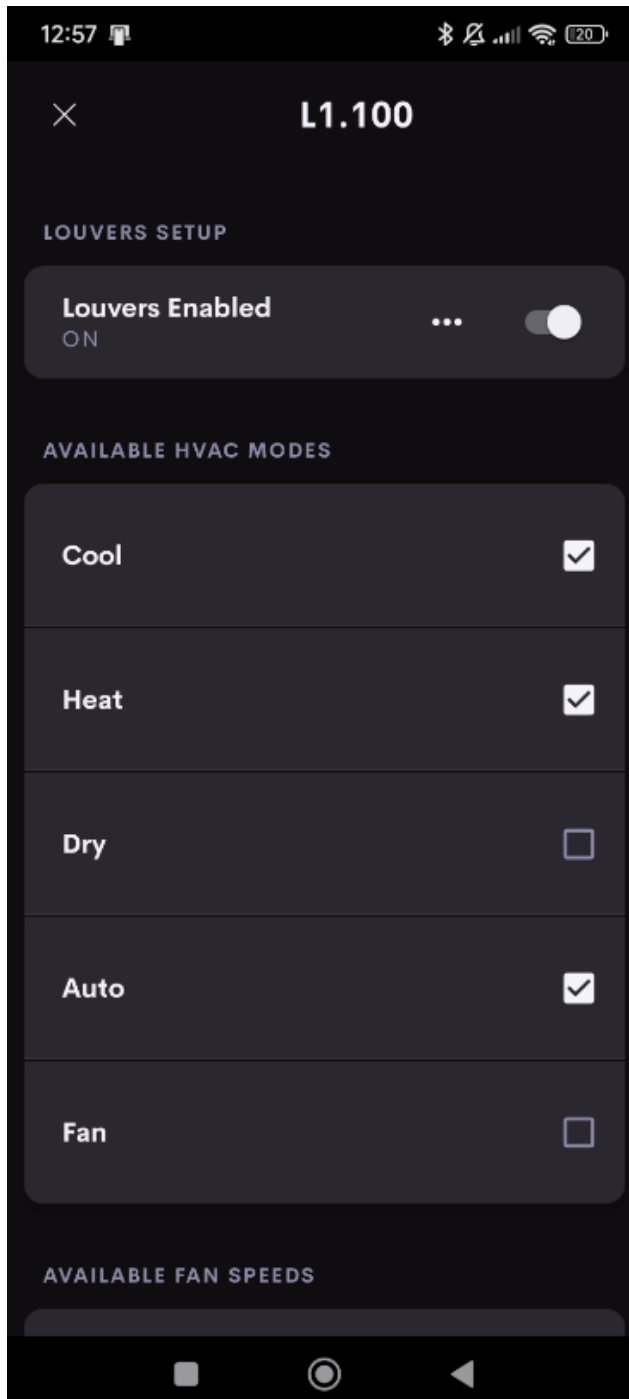
6. Louver Modes Selector Page

This page lets you control the louver position, allowing you to adjust airflow direction settings if supported by your HVAC unit.



7. Advanced Settings of the Indoor UI

On this page, you can customize which HVAC modes are available in the user interface. The options depend on the supported features of the specific HVAC brand being used.



Limitations/Known Issues

Currently, Crestron climate scenes are not available, however you can simulate their behavior with CoolAutomation Climate entity.

Supported Features

Not supported

Test Environment

List the environments where this driver has been tested and any control system firmware versions used.

- Crestron Home v4.006.0173
- CP4-R 2.8000.00056

Supported Models

CoolMasterNet, CoolMaster, CoolMasterPRO, CoolMasterLT, CoolLinkHub, CoolLinkBridge

Contact Information

www.coolautomation.com

Version History

1.0.4 09/20/2025

Changes since Last Version

New Features

- CoolAutomation Climate entity

1.0.3 03/16/2025

Licensing and Copyright Information

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