



Comfort Control for Every Room

Installation & Operation Guide

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Hibersense Hardware

Hiber Hub

The Hiber Hub is the control center/intelligence of the system. The hub uses the information from sensors to efficiently control the HVAC unit and room by room temperatures.

Hiber Sensor

Hiber Sensors gather information by tracking data like temperature, pressure, humidity, light, motion and optional indoor air quality. Sensors monitor the climate of every space so that you remain comfortable.

Hiber Vent

Hiber vents respond to the instructions from the Hiber Hub and adjust the airflow to every room.

Radio Thermostat WiFi thermostat

Hibersense uses the programmable *Radio Thermostat WiFi* thermostat in their system.

Pre-installation

Homeowner Information

Before beginning the installation, review the following steps to ensure a smooth experience. Use the [Installation Checklist](#) at the end of this guide to track and facilitate the installation experience.

Collect homeowner's WiFi network information

You'll need the homeowner's network name and password to connect the Hub to Hibersense.

Direct homeowner to download the Hibersense app

The App is available for both iOS and Android.



When the installation is finished, you will invite the homeowner to their house on the app and demonstrate how to use it. Homeowners can create their accounts after they respond to the invitation.

Initialize / Update Hub(s)

Hibersense continuously improves its products to provide a comfortable experience to homeowners. When you connect the Hub to the internet, it downloads new software updates.

All hubs, new and in inventory, need to be initialized before installation. We recommend initializing hubs in your office before you install. To initialize, just connect to your office network and allow the hubs to update overnight.

[Learn how to connect a hub to WiFi](#) (p. 11).

Pre-installation

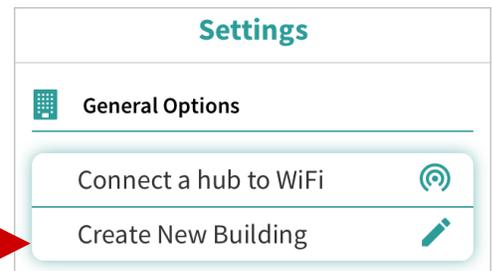
Create New Building

Creating a new building places Hibersense in [Installation mode](#).



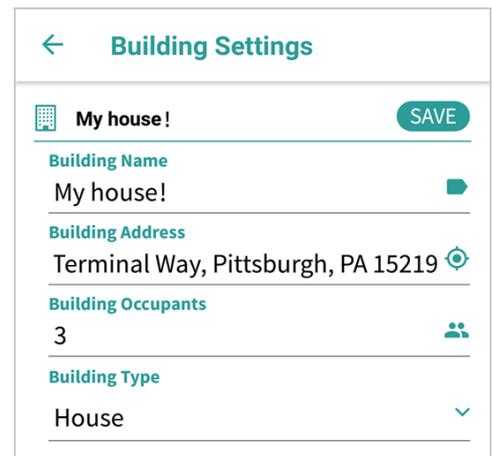
Quoting tool - If you used the quoting tool to create the building with zones, rooms and vents and sensors, start with the building you created. It's ready for installation!
[Jump to connecting the hub to Wifi](#) (p. 11)

1. Tap **Create New Building**.
2. Enter a **Building Name**.
3. Enter the full Building Address: street name, city, state and zip code.



Note: Hibersense uses the building address to determine outside weather. Entering the full address, including zip code, ensures the system operates properly.

4. Enter **Occupants**.
5. Select **Building Type**.
6. Tap **Save** in the top right.
7. Next, add rooms and, if you wish, add *placeholder* components (*placeholder* vents and sensors) to the building.

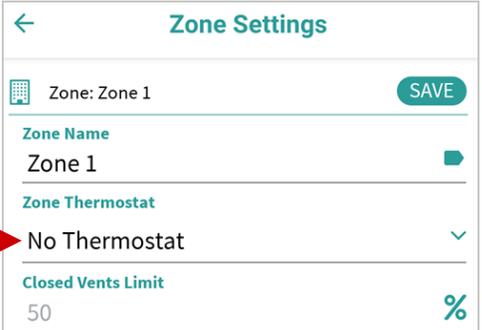


Pre-Installation

Create a Zone

Each zone controls one thermostat. Create the zone first and then add a thermostat placeholder. You will install and add the actual thermostat later.

1. Tap **Building Zones**.
2. Tap **Add new Zone**.
3. Enter a name in **Zone Name**.
4. Tap **Zone Thermostat**.
5. Choose **Add a placeholder or No Thermostat**.
6. Tap **SAVE**.



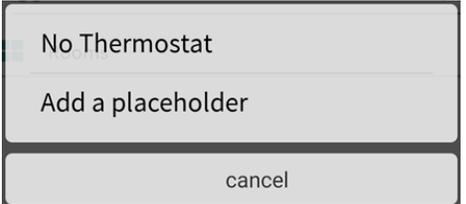
Zone Settings

Zone: Zone 1 SAVE

Zone Name
Zone 1

Zone Thermostat
No Thermostat

Closed Vents Limit
50 %



No Thermostat

Add a placeholder

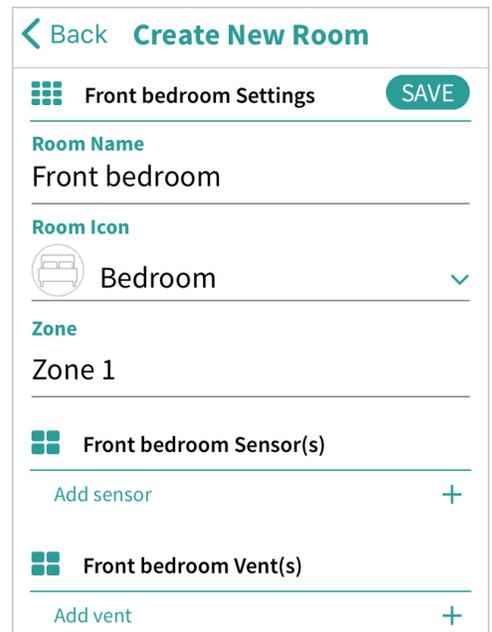
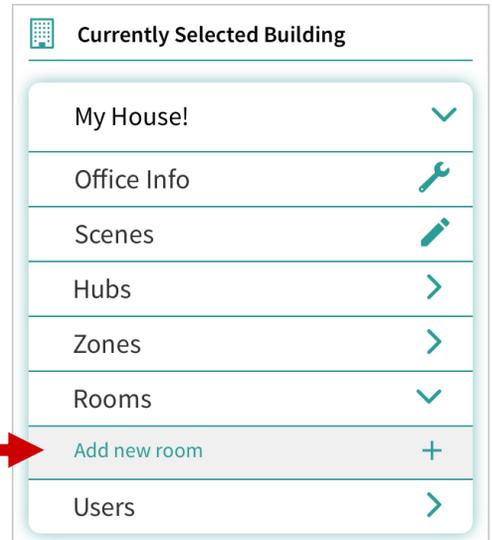
cancel

Pre-Installation

Set up Rooms - Add a Room

1. Tap **Rooms**.
2. Tap **Add new Room**.
3. Enter a **Room Name**.
4. Select a **Room Icon**.
5. Select the **Room Zone**.
6. **Save**.

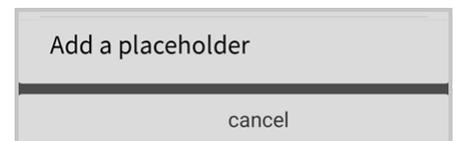
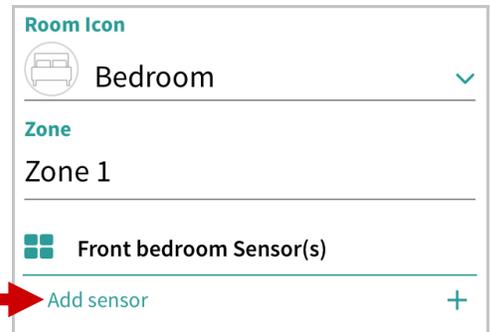
You can tap **Save** at this point, but you may want to wait until after you've added the sensor and vents to the room to avoid needing to return to this screen.



Pre-Installation

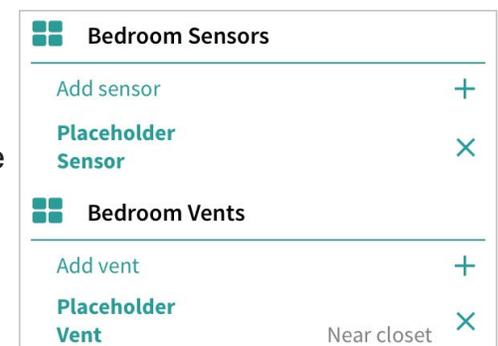
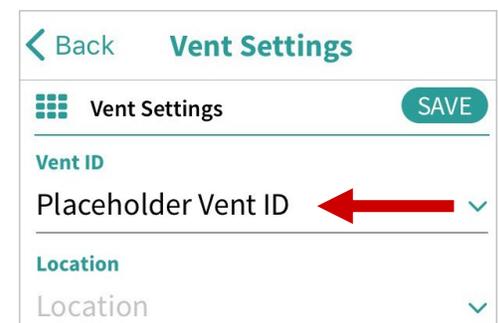
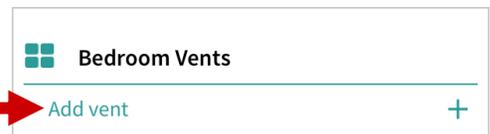
Set up Rooms Add Sensor Placeholders

1. Open a room.
2. Tap **Add Sensor**.
3. Tap **Add a placeholder**.
4. You can press **SAVE** at this point or wait until you've added vents to avoid returning to this screen.



Set up Rooms Add Vent Placeholders

1. Tap **Add Vent**.
2. Tap **Vent ID** and choose **Add a placeholder**.
3. If you wish to add a note, tap the **Add short note** field and add a relevant note, such as vent location.



Location, Size, Style and Note fields are used when submitting quotes and can be left blank; however, you may wish to use the Notes field to identify the location of specific vents, e.g., *near closet*.

3. Tap **SAVE**.
4. Repeat for other vents in the room.
5. Tap **SAVE** at the top of **Room Settings screen** to save sensors and vents to the room.

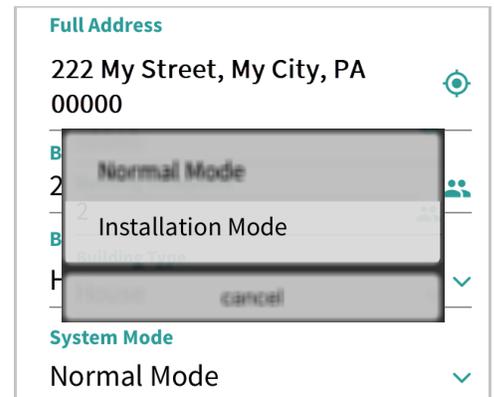
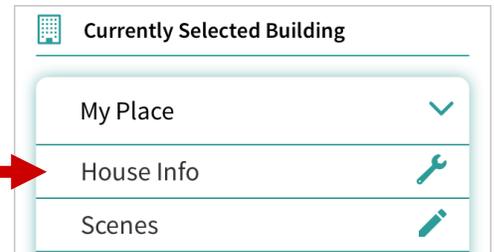
Pre-Installation

Installation Mode

Creating a new building places Hibersense in **Installation mode** automatically. *When the installation is finished, switch the mode back to **Normal mode**.*

You can also manually place a building into Installation mode if it was created before July 20 or was a partial installation.

1. Open settings for the building.
2. Under **Currently Selected Building**, tap **House Info**.
3. Tap **System Mode** to open the menu.
4. Choose **Installation Mode**.
5. Tap **SAVE** in the upper right.



Installation

Position the Hub(s)

Place the Hiber-Hub in a spot that is centrally located in the home and plug it in.

- For optimal range and coverage, the hub should be placed in a central, open area. Placement inside a cabinet can reduce the range and performance.
- Ensure the hub plug has a snug connection to the outlet.
- Ensure the outlet has a consistent source of power (e.g., not controlled by a room light switch).



How many hubs do I need?

- A hub can support a maximum of 20 vents. Plan the installation accordingly.
- Additionally, the dimensions or configuration of the building may suggest additional hubs. Large houses are more likely to need additional hubs.
- We suggest you have additional hubs on hand to facilitate Bluetooth connectivity among components.

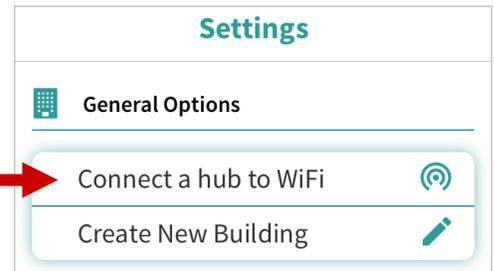
Installation

Connect Hub to WiFi

If hubs have not been initialized in advance of installation, they may need to download software updates onsite. Most updates take fewer than 30 minutes to install. We strongly recommend initializing hubs in the office the evening before an installation.

If you are initializing the hub, allow the hub to remain on your network overnight to download updates.

1. Make sure Bluetooth is enabled on your phone.
2. Stand within a few feet of each hub as you perform the steps.
3. Remain close to the hub until the hub connection is confirmed.
4. Open the Hibersense app **Settings**.
5. Tap **Connect a hub to WiFi**.



Pre-Installation

Connect Hub to WiFi (continued)

6. Tap **Detected Hubs** and choose the hub (if more than 1 visible).
Only the first 8 digits of the ID are displayed.

7. Enter the last 4 digits of Hub ID.
Example: B8:27:EB:B4:**8F:A4**

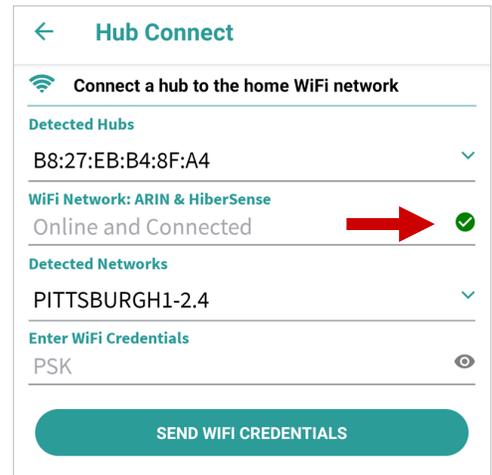
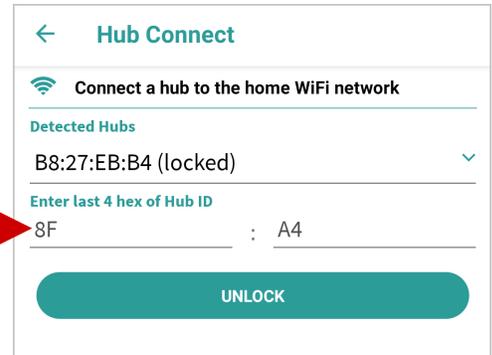
8. Press **Unlock**.

9. In the **Detected Networks** field, select the home WiFi network.

10. Enter the WiFi password.

11. Tap **Send WiFi Credentials**.

When you see a green checkmark, the hub is connected!



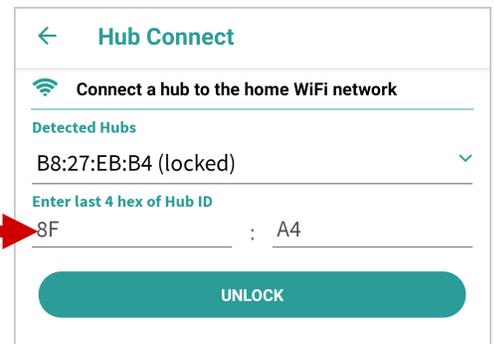
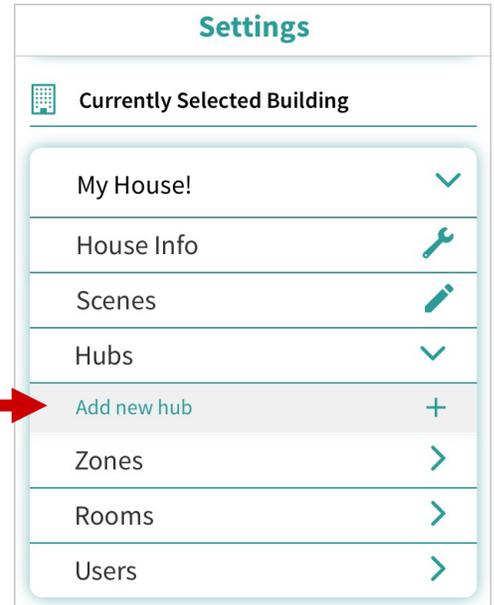
Installation

Add Hub to Building



If you are installing more than one hub, please refer to the special instructions provided with your order.

1. Make sure Bluetooth is enabled on your phone *before starting*.
2. Stand within a few feet of each hub as you perform the steps.
3. Tap **Hubs**.
4. Tap **Add new hub**.
5. Select the hub you connected to WiFi from the menu.
6. Enter the last 4 digits of Hub ID.
7. Press **Unlock**.



Installation

Unpack and Power Vents Near Hubs

1. Place all vents near the hub.
If using multiple hubs, place vents near their intended master or extender hubs.
2. Unfasten the battery case cover.
3. Remove the paper strip separating the battery from the contact.
4. Secure the batteries and slide the case closed again.
5. The vent damper should close and open in response to resetting the batteries.

Note: If the vent does not initially respond, open the case and reseat the batteries.

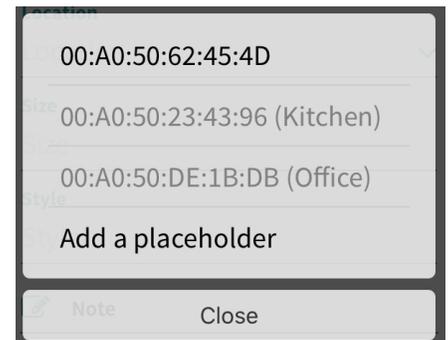


Set Up Rooms - Install Vents

1. Distribute vents to their rooms.
2. Locate the vent ID on the outside of the vent case.
3. Open the app settings.

For each room in the building:

4. Tap the room to open it.
5. Tap **Placeholder Vent** (if added earlier) or **Add Vent**.
6. From the menu, select the vent ID for the vent you wish to add.



 If you are unable to locate the vent ID in the app, try power cycling the vent by opening the battery case and reseating the batteries.

7. Repeat for any other vents in the room.

You can tap **SAVE** now or wait until all vents have been added.

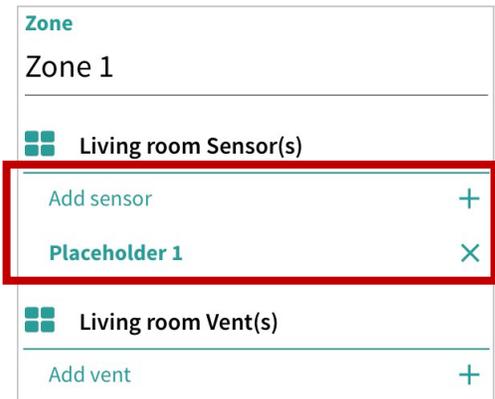
Reboot Hub

1. Reboot the hub(s) by unplugging each hub for 10 or more seconds and then plugging in again.
2. If the installation is a confirmed multi-hub, supported installation, inform Hibersense that vent installation is complete

Installation

Set up Rooms - Add Sensor to Room

1. Locate the sensor ID on the back of the case.
2. Tap **Placeholder Sensor** (if added earlier) or **Add Sensor**.
3. From the menu, select the ID of the sensor you have in the room.
4. You can press **Save** at this point or wait until you've added all sensors and vents to avoid needing to return to this screen.



Install the Sensor

Hibersense room sensors report room temperatures, motion, and other data like light. Sensors use infrared (IR) light to detect motion. In other words, sensors detect the motion of a "heat" source, e.g., a person, moving across its field of view. This motion data is used to determine occupancy.

It is important to position sensors appropriately so they report temperatures with accuracy, while detecting occupancy. Correct sensor placement is similar to proper thermostat placement.



Follow the suggestions below for placing sensors:

- Find a central location
- Position approximately 48 inches off the floor (ceiling placements prevent the sensor from detecting motion and do not provide accurate room temperatures).
- Locate away from windows, doors, vents, outside walls, and direct sunlight, which can experience significant temperature fluctuations or temperatures that are not representative of the living space.

Installation

Replace Thermostat

Ensure HVAC power is off before starting.

1. Find and replace the existing system thermostat with the *Radio Thermostat WiFi thermostat* provided by Hibersense
2. Take a picture or jot down **the last 6 digits of the unique ID** on the thermostat back. You need the ID to add the thermostat to the building.
3. See the **thermostat manual** for wiring instructions.
4. Label wires in wall for future reference.
5. Wire thermostat.
6. Once wired, turn power back on and check operation (heat and cool).

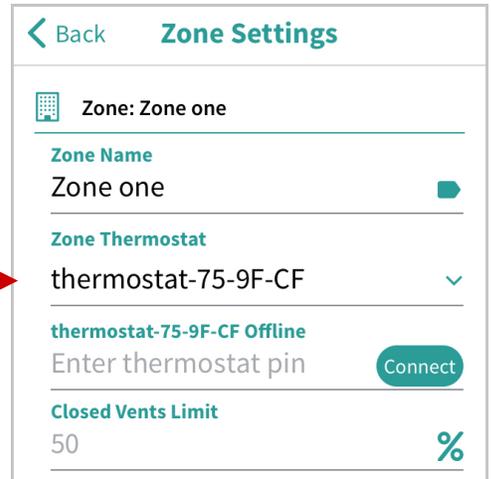


Installation

Add Thermostat to Building

If you have not yet created a zone, [follow the directions here to create a zone](#) (p 6).

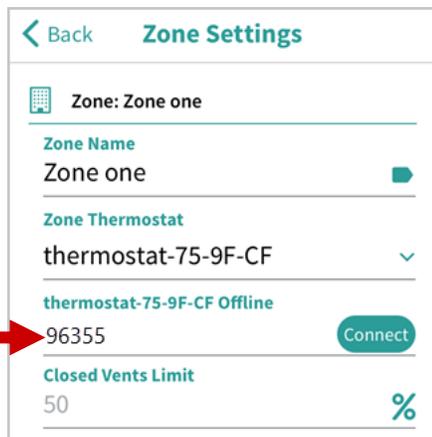
1. Tap **Zones**.
2. Tap the zone you created.
3. Tap **Placeholder Thermostat** or **No Thermostat** to open **Zone Settings**.
4. Use the last 6 digits of the thermostat to find and select the thermostat.
5. Tap **Save**.



Installation

Connect the Thermostat to Wi-Fi

1. Locate the 5 digit PIN number on the top left corner of the thermostat screen.
2. Enter the PIN number.



3. Tap **Connect**.
4. Wait for the thermostat to connect.

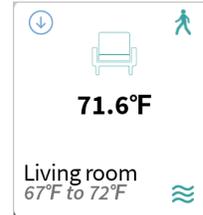


Connection status displays in the PIN field. When you see a check mark, the thermostat is connected!

Review and Test

Review Vent Bluetooth Connectivity

1. Review the home screen for vent *out of range* indicators (yellow triangles).
2. If no indicators display, **turn off Installation Mode**.
3. [Proceed to testing vents](#) (next page).



If indicators display:

1. Check whether vent batteries came loose in the installation. Reseat the batteries near the hub and reinstall the vent.
2. If indicators continue to display, an additional hub may be needed or the current hub may need to be repositioned.



If an additional hub is needed to improve range:

1. If an additional hub is needed, plug in the additional hub, [connect it to WiFi](#) (p. 11) and [add it to the building](#) (p. 13).
2. Inform Hibersense team that the hub is installed.
Hibersense support can be reached via the app, by emailing support@hibersense.com or calling 412-450-1080 (press the support option).
3. If the installation has more than 20 vents or requires an extender hub to boost Bluetooth connectivity, Hibersense completes backend work to pair vents and hubs.
4. Hibersense notifies you when work is complete and vents are ready to be tested.
Hibersense turns off Installation Mode.

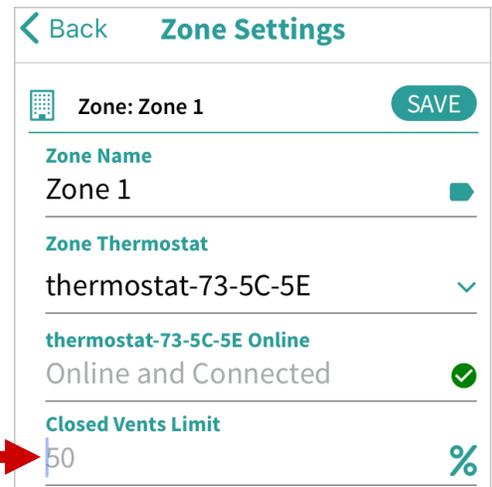
Test Vents for Operation

Test vent operation by commanding vents to close and checking their state to ensure they are closed. An open vent that displays closed in the app may mean the fit in the wall, floor or ceiling opening is too tight and impeding operation.

Change vent closure limit to 100%

Change the Vent Closure limit from 50% to 100%. Closure limits are set in **Zone Settings**.

1. Tap **Zones**.
2. Tap the building zone.
3. Tap **Closed Vents Limit** to edit the default value.
4. Enter **100** in the field.
5. Tap **SAVE**.

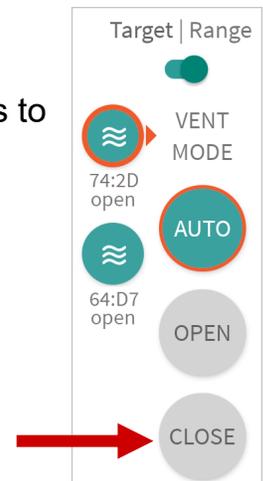


Important - You **MUST RESTORE** the default vent closure limits after testing is complete to prevent a potentially damaging increase in static pressure.

Close vents using a manual command

For each room in the building, use manual override to command the vents to close.

1. From the home screen, tap the 1st room.
2. Tap a vent icon and then tap the **Open** or **Close** button to change the state of the vent.
3. If there are other vents in the room, repeat step 2 for each vent.
4. Tap **Save**.



5. In the Save dialog box, choose **Set just this once**.

Review vents for closure

1. Check physical vents to confirm they are closed.
2. If an overridden closed vent is physically open, it may be in an opening that is too tight for proper operation. Check the installation and test again.



You can switch the **Fan Mode to ON** (p. 41) to create air flow through vents.

3. When you have finished testing the vents, restore the **Closed Vents Limit** to **50**.

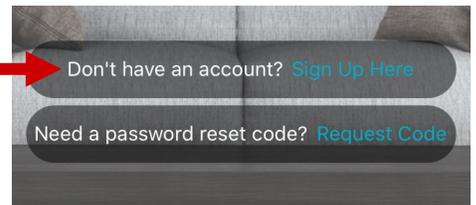
You must reduce the Closed Vents Limit from 100% to the default limit to prevent a potentially damaging increase in static pressure.

Homeowner Accounts

Homeowner Account Signup

When a homeowner signs up for an account, they receive a verification code by email and use it to confirm their account. Homeowners then wait for an invitation from the contractor to complete the signup process.

1. Open the app and then tap **Don't have an account?**

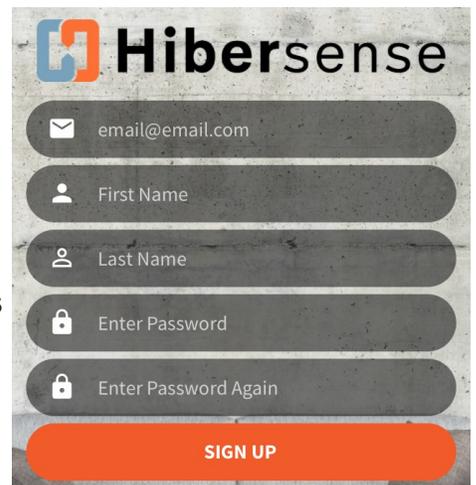


2. Complete all of the account fields.

- **Passwords** - must be 8 or more characters and contain 1 lowercase letter, 1 uppercase letter, and one number.

3. **Location services** - Homeowners must allow location services.

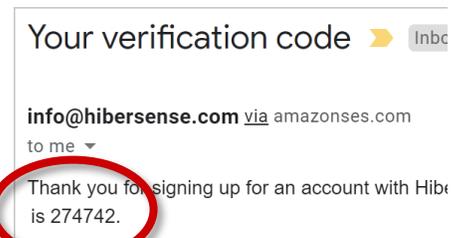
4. **Notifications** - accept Hibersense's in-app notifications that alert homeowners to critical system updates and other system info.



5. Tap **Sign Up**.

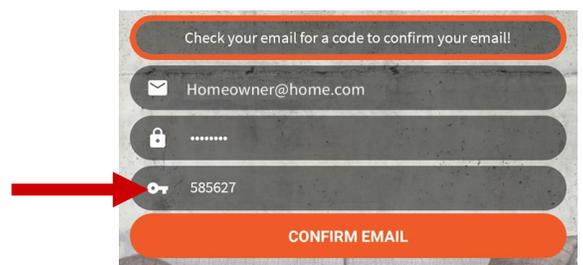
*After tapping **Sign Up**, the system sends the homeowner a verification code.*

6. Copy the verification code from the email and enter it in the app.



7. Tap **Confirm Email**.

8. **Log out** in the new screen that displays.

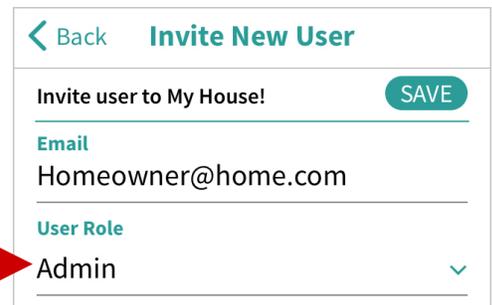
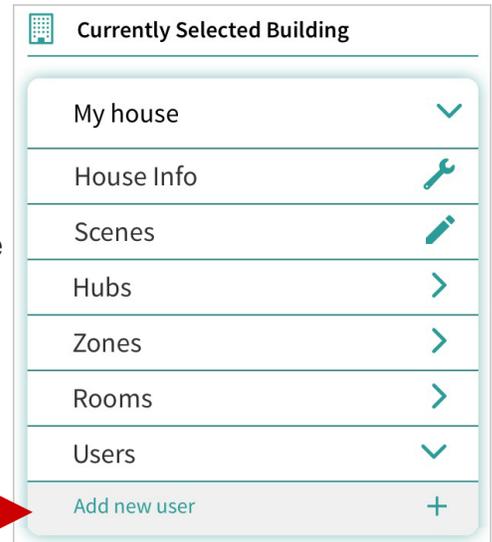


Homeowner Accounts

Invite Homeowner to the Home

After the homeowner completes their account registration, the contractor invites the homeowner to the building on the app.

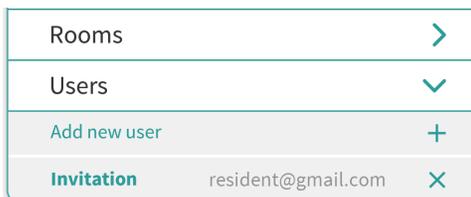
1. Tap **Building Users**.
2. Tap **Add new user**.
3. Select **Admin** for User Role.
4. Tap **Save**.
5. Repeat the steps for additional homeowners!



Track the Invitation Status

You can track the invitation status by returning to the Users field.

The homeowner's email remains in the invitation field until they accept.



Invitation outstanding

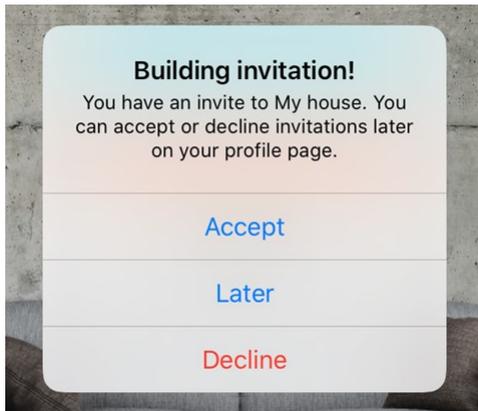


Invitation accepted

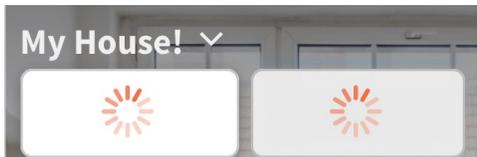
Homeowner Accounts

Homeowner Accepts Invitation

1. If the homeowner is not logged in, ask them to log into the app and press **Accept** when the invitation displays.



2. The data for the house may take a moment to load.





Operations Guide

Control Your Comfort with the Hibersense App

What Happens After My System is Installed?

After your system is installed, use the Hibersense app to create **Scenes** to set up and control your comfort. Then use the next several days to experience the comfort of those scenes and adjust, if needed.



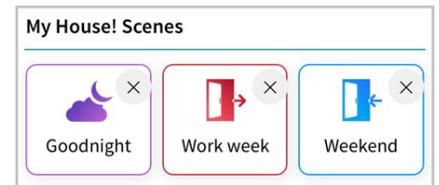
What are Scenes?

Scenes allow you to customize comfort settings to fit the way you live. Use **Scenes** to establish temperature ranges, room by room, based on schedule and/or household activity.

Which Scenes Do I Need?

Default Home and Away scenes

First, edit the system default **Home** and **Away** scenes to reflect fallback comfort settings you'd like to maintain.



Customer-defined scenes that reflect your lifestyle

Next, create custom scenes to reflect your lifestyle. For example, you can create a sleep scene that uses setback temperatures and focuses only on your bedrooms. Or, if you work from home, create a workweek scene that focuses comfort only on the rooms you use.

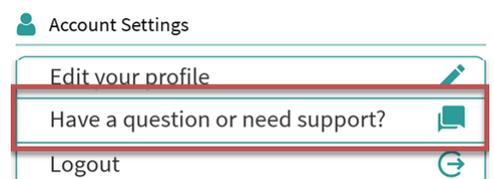


How do I create scenes?

Use this guide! This guide provides instructions and examples to help you create and adjust scenes that bring comfort to your home. And, if you have questions or need help, contact us! We are happy to schedule a call to help you get started.

What if I have questions?

Start a conversation right from your app by tapping the settings icon and then tap on **Have a question or need support**. A Hibersense team member will get back to you to help.



Hibersense Terms - App

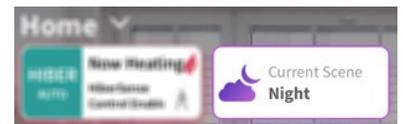
Modes

In addition to Hiber Auto, Hibersense offers different modes for homeowners who may have different needs. For example, residents of Northeastern states who don't want their air conditioning to turn on during an unseasonably warm winter day can use **Hiber Heat Only** mode during winter months. Hibersense also offers options for using **Fan Modes**.



Scenes

Scenes allow you to set temperature ranges and targets for every room and also activate those targets with specific **Cues** like scheduled days of the week and room occupancy.

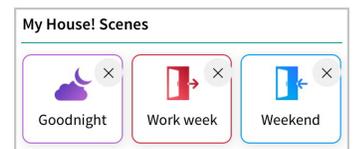


Default Scenes - Hibersense provides two system default scenes, **Home** and **Away**, that use a temperature range (62° - 78°) to provide a minimum of comfort.

- Default scenes are **fallback scenes** that activate when no other scenes are available to be activated.
- Adjust the default scenes first after installation to provide fallback temperatures that match homeowners' comfort needs.



Homeowner defined scenes - Homeowners can (should!) create scenes that reflect their lifestyle. For example, identify rooms to receive less heating or cooling during working hours or at bedtime.



The three elements of a scene you can set are:

1. **Active and Inactive rooms** - Make rooms active to give them focus for heating and air conditioning in a scene.
2. **Temperature ranges and targets** - Set temperature ranges or targets for each room. Ranges give the system flexibility to heat and cool rooms more efficiently while keeping you more comfortable.
3. **Cues** - Set schedule and/or occupancy rules (cues) to heat or cool your house to match your routines and lifestyle.

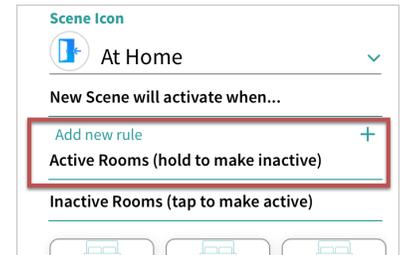
 When you create scenes, focus on the rooms you actually use by making them Active. Unused rooms should have an Inactive status.

Hibersense Terms - App

Cues

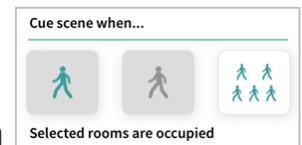
Cues are rules that you set in user-defined scenes to determine when you want a scene to activate.

You can combine **Occupancy**, **Schedule** or **Calendar** cues to develop custom heating and cooling scenes that reflect your routines.



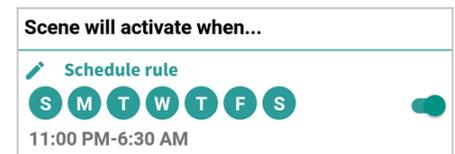
Occupancy Cues

Hibersense sensors detect motion to determine when a room is occupied. Occupancy cues allow you to activate a scene based on these conditions: *No room is occupied*, *Any room is occupied* or *Selected rooms are occupied*.



Schedule Cues

Schedule cues allow you to create rules by choosing days of the week and times to activate scenes.



Active & Inactive Rooms

Designate rooms as **Active** or **Inactive** in scenes. Think about the rooms you actually use during a scene and make them active. Active rooms receive focus for conditioning. Do you have an unused bedroom or guest bathroom that doesn't need to have heating or cooling focus? Make them inactive. Making rooms inactive allows the system to focus on the rooms you actually use.



Ranges or Target

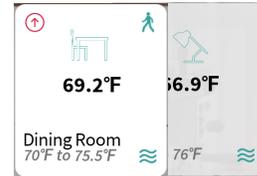
Set desired room temperatures by choosing a range of temperatures that are comfortable. Room temperature ranges give the Hibersense flexibility to better meet comfort goals across rooms. *Note: Only **Active Rooms** can have a set temperature range or target.*



What do the range numbers mean? The top value of a range is the *cool to* value for A/C and the bottom value is the *heat to* value for furnaces. When the room temperature exceeds the values, the room calls for the appropriate conditioning.

Hibersense App Icons

Room Icons



66.9°F

Current room temperature

66°F to 76°F

Temperature range set for room

Target: 68.5°F

Target temperature set for room



Call (vote) for Conditioning: Heat, Cool or Off



A room *votes* for conditioning when a room's temperature is lower than its **heat to** temperature or is higher than its **cool to** temperature. A room in the **Off state** is within its temperature range and does not vote.

Off

*When **fifty percent of rooms** vote for the same conditioning, the Hibersense system triggers the furnace or air conditioning to cycle on.*

Note: Only Active rooms can vote for conditioning.

Dining Room
70°F to 75.5°F

Active and Inactive Rooms

Kitchen
Inactive

Active rooms display a temperature range or target.

An active room is highlighted when it votes for conditioning.

Inactive rooms remain gray and are labeled *Inactive*.



Vent Status

Green lines indicate a vent is currently open

Gray lines indicate a vent is currently closed



Room Occupancy

A green figure indicates the sensor detected activity in the room.

*If no new motion is detected within 30 minutes, the system reverts to an **unoccupied state**.*

Scenes Overview

Auto and Manual Scenes

Auto - Scenes are triggered automatically, based on the cues you set. When you use Hibersense auto modes, it's important to consider the activation sequence and prioritization of scenes, so you experience continuous comfort in your home.

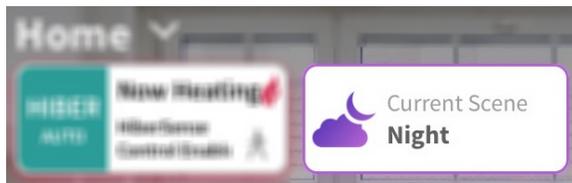
Manual - Temporarily override an auto scene by tapping another scene. The new, manually selected scene will run for two hours or until you select another scene.

 Before you create scenes, identify your routines for the week to develop scenes that are tailored to **your** home comfort needs.

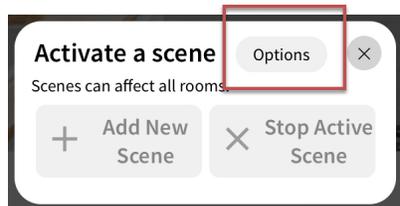
Accessing Your Scenes

Access scenes in the **Your Scenes** screen to view and edit the cues (rules) of existing scenes, set and adjust room temperatures, and create new scenes.

1. Tap the **Current Scene** on the home screen.



2. Tap **Options** to open **Your Scenes**.



 Scene settings can also be found in **Settings**  under **Your Building**.

Editing and Adding Scenes

Default Scenes

The Default **Home** and **Away** scenes tell the system what to do at the base level, if other scenes do not activate. Default scenes are **system fallback scenes** that provide temperature ranges to maintain a minimum comfort level. You should edit the default scenes to match the temperatures you'd like to activate as a fallback.



Editing Default Scenes

Adjust the temperature ranges and targets in Default Scenes and choose which rooms are active or inactive. The Hibersense defaults use occupancy-based cues that cannot be changed.

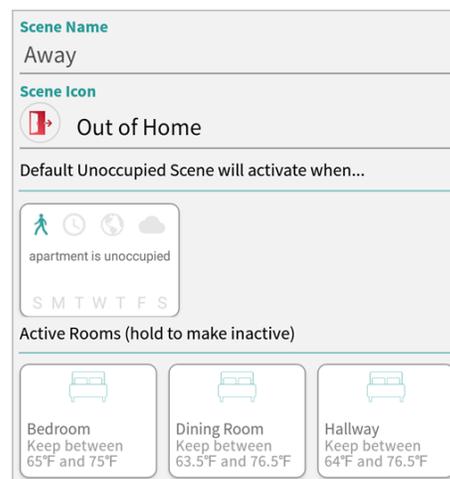
1. In **Your Scenes**, tap either the **Default Home** or **Default Away** tile.
 - **Default Home** - activates when sensors detect *that any room is occupied* and no other scene is eligible to be activated.
 - **Default Away** - activates when sensors detect no rooms are occupied and *no other scene is eligible to be activated*.
2. Activate a room by tapping a room in the **Inactive** row.

Active rooms are given focus for heating and cooling in a scene.
Setting rooms to inactive gives the system flexibility and allows Hibersense to be more efficient in how it heats or cools rooms across the house.

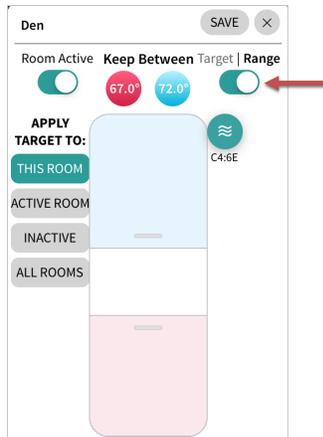
Example

Homeowners edited this **Default Away** scene to focus on the three rooms their dog occupies when they're away.

They edited the temperatures to a setback range of about 2 degrees higher and lower than their normal comfort range, so the temperature never drops too low or rises too high for their pet.

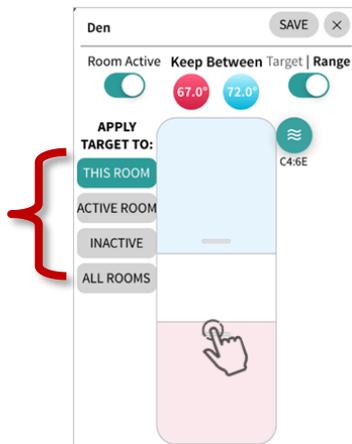


3. Drag the slider at top to switch to **Range** or keep at **Target**.



4. Drag the blue temperature band to the desired **cool to** temperature and the pink band to the desired **heat to** temperature.

5. To apply the range or target to other rooms, tap **Active Rooms**, **Inactive Rooms** or **All Rooms** on the left.

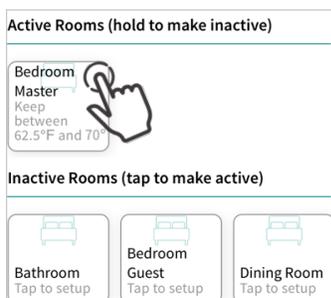


💡 If you want most or all of your active rooms to share the same temperature range, activate all the desired rooms first.

You can then set the temperatures for one room and easily apply the range to all rooms, inactive rooms, or active rooms.

6. Tap **Save**.

7. If you wish to deactivate an active room, press and hold its tile in **Scene Settings** and then choose **Deactivate** when prompted.



Editing and Adding Scenes

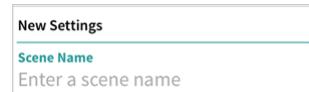
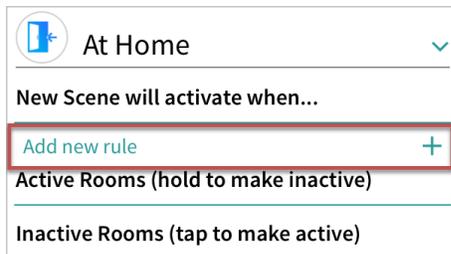
Adding a New Scene



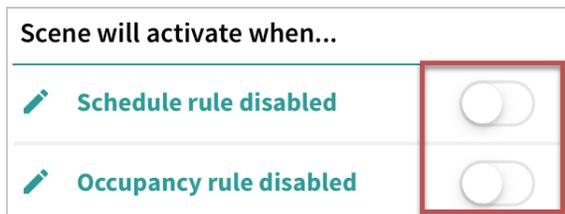
Scenes reflect your routines. Before you create a new scene, think about household activity and the comfort you want to experience at different times. This guide uses two scene examples, nighttime (sleep) and weekend day, to walk through the process of creating and editing scenes.

The next page includes an example of a custom scene. In the example Sleep/overnight scene, the homeowners create a scene to focus on the rooms they use and to reduce heating and cooling during the hours they are sleeping.

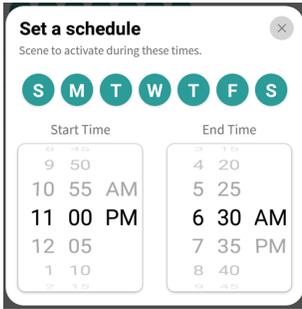
1. In **Your Scenes**, tap **Add New Scene** and enter a name for your scene.
2. To set Cues for the scene, tap **Add new Rule**.

A screenshot of a 'New Settings' form. It has a title 'New Settings' and a label 'Scene Name' above a text input field containing the placeholder text 'Enter a scene name'.

3. Drag the slider(s) to create a rule based on **Schedule** and/or **Occupancy**.



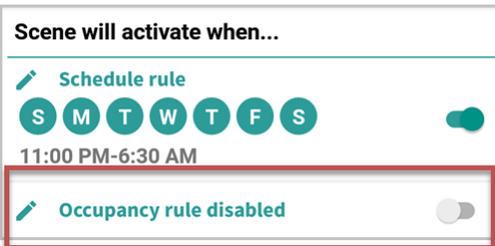
4. Select the **cues** you wish to activate your scene.
5. Select **rooms** you wish to be active in the scene.
6. Set the **temperature ranges or targets** for rooms.
5. Tap **SAVE** in the **Create New Scene** screen to save changes to your scene.



Schedule example for a Sleep scene

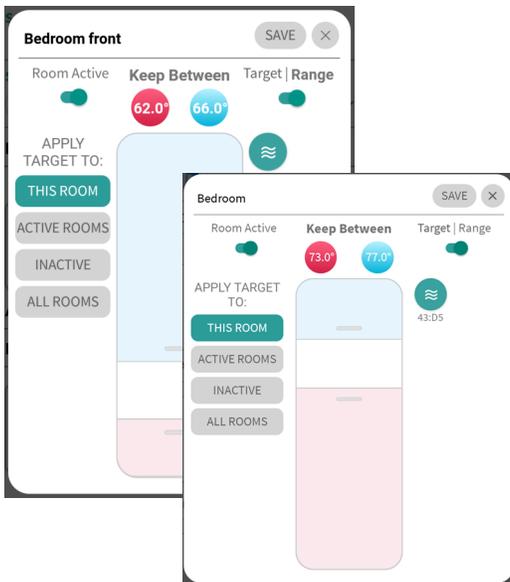
This scene runs Sunday to Saturday, 11:00 PM to 6:30 AM.

1. Tap the days of the week when the scene is active.
2. Set the **Start** and **End** times.
3. Tap the **X** in the upper right to close the scheduler.



Occupancy example for a Sleep scene

In this scene *no occupancy rule is set*. This ensures the scene remains active during the scheduled hours whether or not there is activity detected in the home.

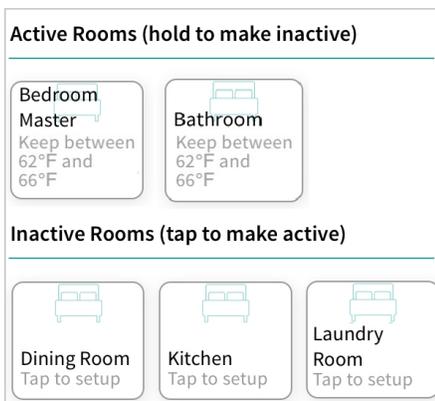


Temperature range example for a Sleep scene

In this scene, the winter temperatures are setback in the bedroom to a range of **62° to 66°**.

Temperature range example for warmer months or climates

If you are in Hiber Auto mode and live in a warmer climate, you want a different temperature range. In this case the range is **73° to 77°**.



Active and Inactive rooms example for a Sleep scene

The homeowners set only the Master Bedroom and Bathroom to **Active** during the Sleep scene, so those rooms receive focus overnight.

Editing and Adding Scenes

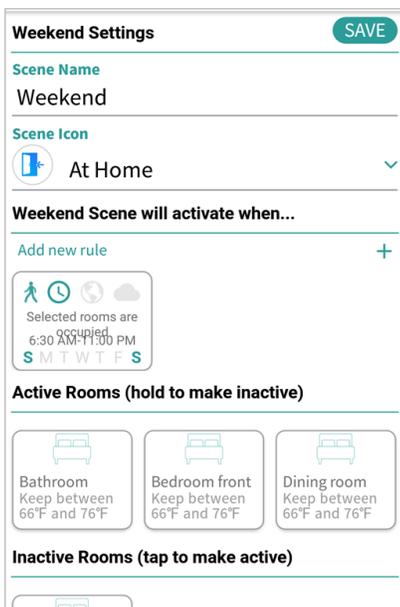
Adding More Scenes - Prioritizing Scenes

As you create additional scenes, consider how they interact with each other, to ensure scenes activate when you expect them to. In Hibersense Auto modes, scenes are prioritized to activate in the following order.

1. Calendar + Occupancy cues
2. Calendar cues
3. Schedule + Occupancy cues
4. Schedule-only cues
5. Occupancy-only cues
6. Scenes with no cues, default scenes

Another Example - Weekend Scene

In this Weekend scene, the homeowners use a different temperature range during the weekend compared to the setback temperatures of their Work Day scene.



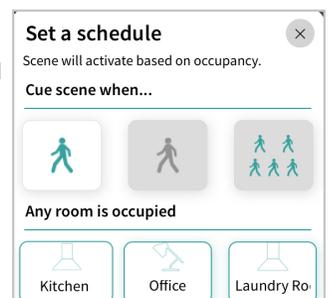
Schedule cue example for a Weekend scene

The Weekend schedule is Saturday and Sunday, from 6:30 AM to 11:00 PM. The start time begins when the Sleep scene ends.

Occupancy cue example for a Weekend scene

These active homeowners use occupancy cues so their system delivers desired temperatures only when they're home.

1. Add the **Occupancy** rule. **Any room is occupied** is used to detect when the house is occupied.
2. If using **Selected rooms are occupied**, tap the rooms that you want to monitor occupancy.
3. Tap the **X** to close the window.
4. Tap **Back** to return to the **Create New Scene** screen.
5. Tap **SAVE**.

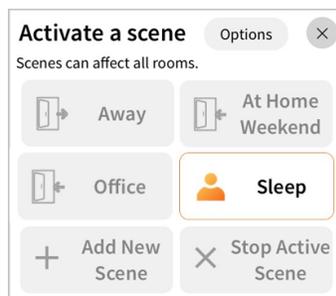


Using Scenes

Activating a Scene Manually

You can activate a scene manually to override the currently running scene. A user-activated scene remain active for 2 hours and are replaced by whichever scene should activate when it expires.

1. Tap the **Current Scene** on the home screen.
2. Choose the scene you wish to activate in **Activate a scene** and then close the scene selector.
3. To terminate a scene, return to **Activate a scene** and tap either **Stop Active Scene** or choose a different scene.



Changing Temperature Ranges and Targets

Homeowners can make a temporary or permanent edit to a room's temperature range or target directly from the home screen.

Temporary changes last until the next scene is activated.

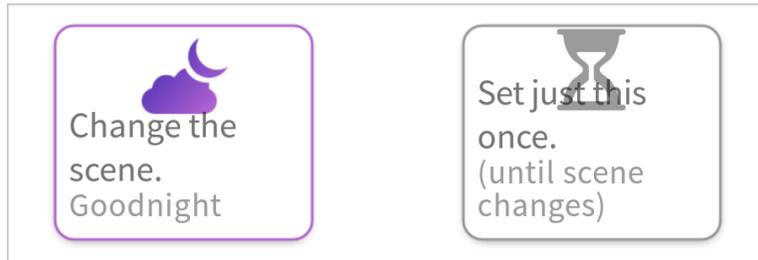
Permanent changes allow you to save the new temperatures to the current scene.

1. Tap a room on the home screen.



2. Change the range or target in the room by dragging the temperature bands.

3. Tap **SAVE**.
4. Choose **Change the scene** (permanent scene change) or **Set just this once** (temporary change) in the window that displays.



5. Tap the **X** at top to close the window.

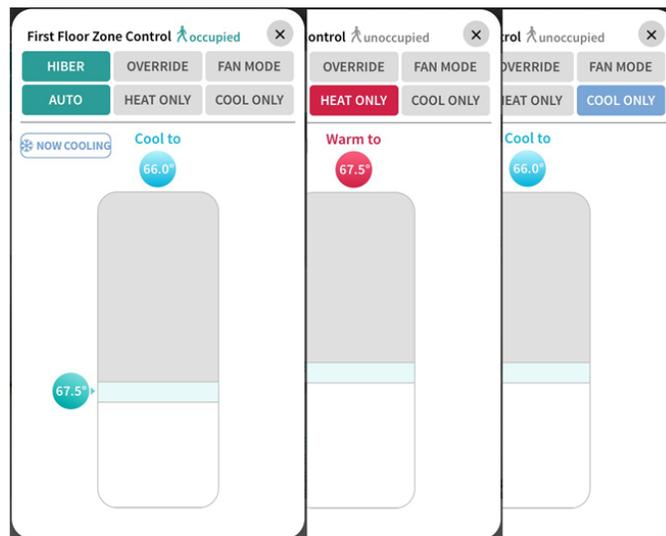
Modes

Hibersense System Mode - Hiber Modes

Hibersense Hiber Modes are auto modes that allow the system to leverage scenes and operate to its full capacity to help homeowners achieve maximum comfort and/or optimize energy efficiency. Tap the **Zone Control tile** to open modes.



Hiber Auto mode switches between heating and cooling automatically to maintain correct temperatures across rooms. **Hiber Heat Only** and **Hiber Cool Only** engage only with the furnace or air conditioning, respectively, for users who may not want heating or cooling on unseasonable days.

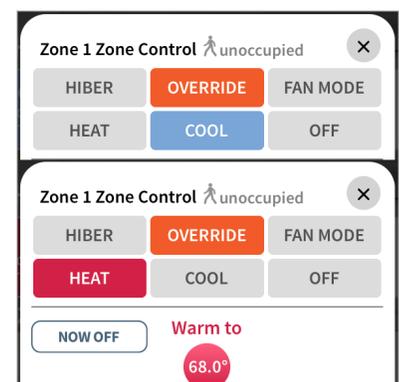


Note: In Hiber mode, the thermostat's reported temperatures may not match temperatures in the app. Refer to the app for accurate room temperature reports.

Override Mode - HEAT, COOL and OFF

Override HEAT and **COOL** modes override scenes and cues and allow you to digitally operate the thermostat as if you were controlling it physically. You can also turn the system **OFF** in Override mode.

In this mode, users cannot make changes on the physical thermostat. The system and thermostat remain in override, and maintain the specific target temperatures, until the mode is changed through the app.



Modes

Fan modes

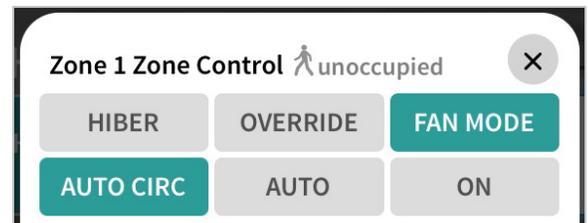
Hibersense offers three fan modes to help you maintain the comfort of your home. You can set Fan options when your system is in a **Hiber** mode or **Override** option.

Tap the **Zone Control** tile to open modes.



Auto Circ

Auto Circ is the default. This option allows your fan to automatically circulate the air, independent of the heating and cooling cycles, for better air quality and efficiency. Auto Circ ensures air circulates 5 continuous minutes per hour.



Auto

Auto mode runs only during active heating and cooling cycles.



On

Turns the fan on and keeps it running at all times. To turn the fan off, switch to another mode.





Installation Checklist

Pre-installation

<input type="checkbox"/>	Collect the home WiFi network settings.
<input type="checkbox"/>	Homeowner downloads the app (but does not yet create an account).
<input type="checkbox"/>	Initialize (update) the hubs. <i>You can initialize hubs onsite or in your office. If you initialize in the office, try to initialize within a day of installation.</i>
<input type="checkbox"/>	Create the building in the app and add building details, including zones, rooms, and optional vent and sensor placeholders.
<input type="checkbox"/>	Confirm Installation Mode is activated.

Installation

<input type="checkbox"/>	Position the hub in the house.
<input type="checkbox"/>	Connect hub to WiFi and add to the building.
<input type="checkbox"/>	Power vents near hub and then install in rooms.
<input type="checkbox"/>	Reboot the hub.
<input type="checkbox"/>	Install Sensors.
<input type="checkbox"/>	Install and Set up Thermostat 1. Install and add to building. 2. Connect thermostat to WiFi.
<input type="checkbox"/>	Review and test the system.



Post-installation - Confirm Mode and Vent Closure Limit

- Check that system mode is Normal (*not Installation*).

Post-installation - Create Homeowner account

- Homeowners sign up for an account in the Hibersense app.
- Create a building level Admin role for the homeowners in the app. *The app sends an in-app invitation to the homeowner. Once the homeowner accepts, they gain access to the building in the app.*

Post-installation - Manage the Home's Comfort

- Edit the default **Home** and **Away** scenes. *The default scenes provide fallback settings when no custom scenes are available.*
- Configure a custom scene, such as a new overnight scene. *Many homeowners create an overnight scene that uses setback temperatures in the rooms they use during sleeping hours.*
- Create additional scenes to fit your comfort needs. *Is your home unoccupied or used minimally during the workday? Create a workday scene with setback temperatures, or if you have a home office, focus conditioning settings on the rooms you actually use!*
- Experience the comfort over the next few days and adjust as desired. *Comfort isn't a number! Only you know what feels comfortable. Use the next several days to experience the comfort of scenes and adjust, as needed.*
- Reach out to Hibersense support with any questions you may have! *Use the chat option in the app's Account Settings. We're happy to answer your questions or schedule a call to help you get started!*