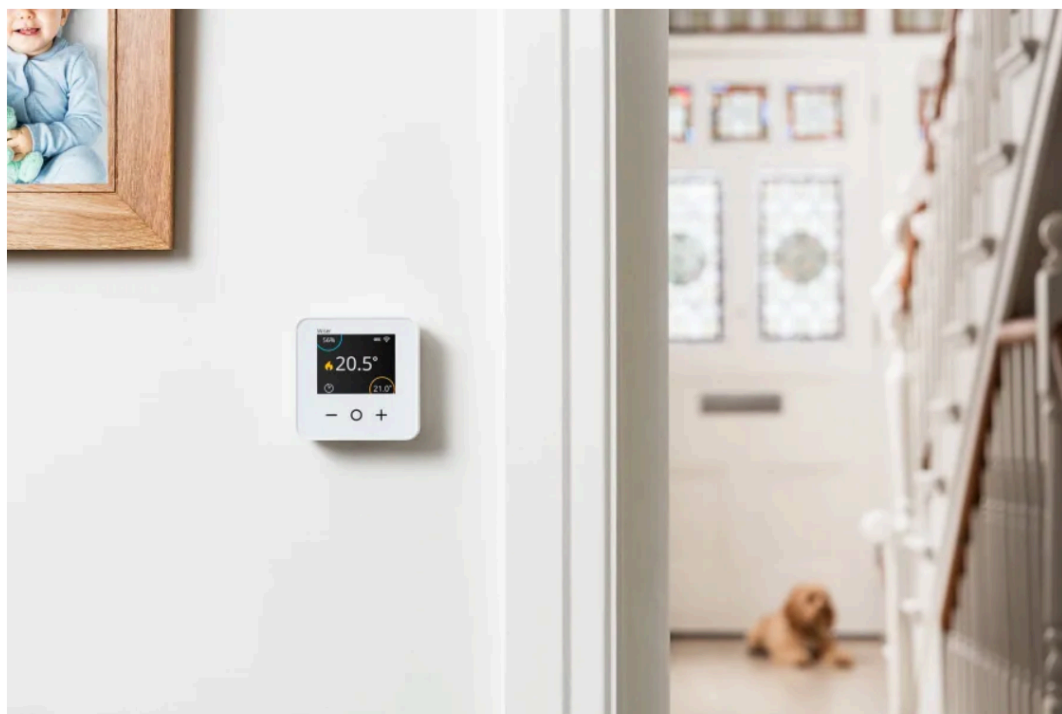


Wiser Room Thermostat

Wiser Home Device user guide

Information about features and functionality of the device.

05/2025



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Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Wiser Room Thermostat



CCTFR6400
WN704R0S0902



CCTFR6401
WN704R0S0901

Related Topics

- For your safety
- About the device
- Installing the device
- Pairing the device with the Wiser HubR
- Pairing the device with the Wiser Hub
- Configuring the device
- Using the device
- Removing the device
- Resetting the device
- Replacing the batteries
- LED indications
- Troubleshooting
- Technical Data

For your safety

NOTICE

RISK OF DAMAGE TO DEVICE

Always operate the product in compliance with the specified technical data.

Failure to follow these instructions can result in equipment damage.




Related Topics

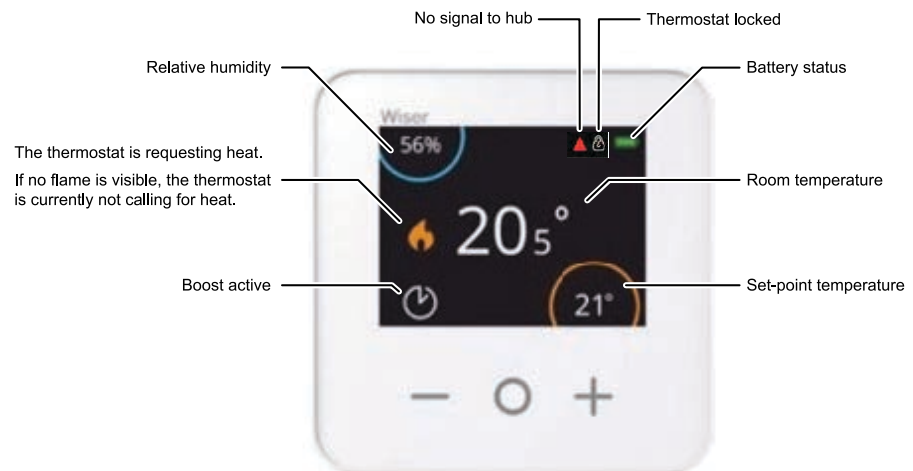
- Wiser Room Thermostat (Parent Topic)

About the device

The Wiser Room Thermostat (hereinafter referred to as **Room Thermostat**) is a wireless, battery-powered, colorful touch-button display where the end-user can increase, decrease, boost, and set the room temperature.

The Room Thermostat display shows information such as (room temperature, relative humidity, battery level, boost status, heating symbol, and signal status).

NOTE: On the Room Thermostat screen,  icon changes and appears  when the room is in Comfort Mode and  when the room is in ECO Mode. For more information, refer to the System User Guide.



Advantage of using the Room Thermostat:

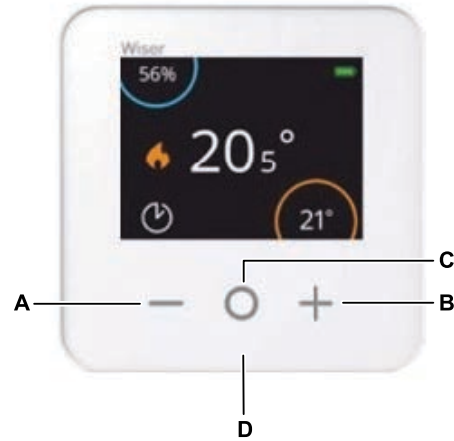
- Easy to control all heating appliances in the room from one place.
- Control locally or remotely using the wiser app

Features of the Room Thermostat:

- Works with Amazon Alexa & the Google Assistant
- Boost, and set the room temperature
- Configure several time schedules for heating
- To check humidity of the room
- Device user interface lock

Diagram of operating elements

- A. Reduce temperature
- B. Increase temperature
- C. Boost
- D. LED



Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)


Installing the device


Refer to the installation instruction supplied with this product.

Pairing the device with the Wiser HubR

Using the Wiser Home app, pair your Room Thermostat with the **Wiser HubR** to access and control the Room Thermostat.

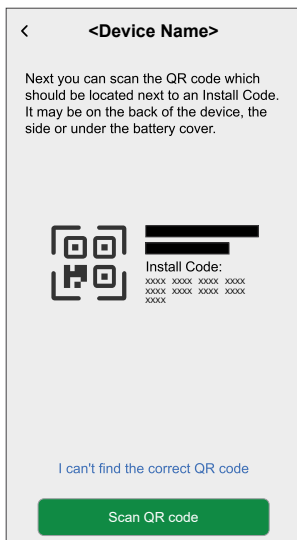
IMPORTANT: Insert the batteries before pairing and follow the Room Thermostat on-screen instructions.

1. On the **Home** screen, tap .
2. Tap **Devices** >  icon and tap **Climate** > **Room Thermostat**.

TIP: You can also navigate by tapping **Control** tab >  > **Climate** > **Room Thermostat**.

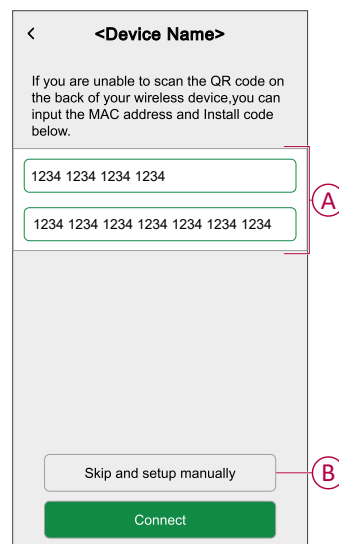
3. Tap **Scan QR code** and allow the Wiser Home app to access your camera. Then, scan the QR code located on the device.

NOTE: If you are unable to find the correct QR code, tap **I can't find the correct QR code** to pair the device manually and proceed to step 4.



If the QR code is incorrect, a message **Incorrect QR code scanned** will appear. Tap **I can't scan the QR code** and choose one of the following options:

- **(A):** Enter the **Mac Address/EUI-64** and **Install Code**, then tap **Connect**. The app will verify if the Mac Address/EUI-64 and Install code are valid.
- **(B):** Tap this option if you are unable to find the Mac Address/EUI-64 and Install code.



4. Tap **Next** to enter Room Thermostat name and assign it to an existing room or a new room, then tap **Submit**.
5. Tap **Heating Type** and select one of the following and tap **Done**:
 - **None:** In case Underfloor Heating (UFH) hasn't been installed or if you prefer not to use a room thermostat with UFH, select **None** and proceed to **Step 7**.
 - **Underfloor Heating:** If Underfloor Heating is installed and you wish to use room thermostat along with UFH, select **Underfloor Heating** and proceed to **Step 6**.

6. Update following details:

- **UFH Channels:** Select the channel which is assigned to the same room as room thermostat in **Step 4**.
- **Assign Floor Sensor:** Turn on the toggle switch if you want to use the UFH floor sensor which is assigned to the same room as room thermostat.

Room Thermostat Setup

We need some more information to create your new room.

Heating Type
Underfloor heating

UFH Channels
Underfloor heating

Assign Floor sensor

Submit

NOTE:

- To change the UFH channel room refer Assigning a channel to the room.
- Only one UFH floor sensor can be assigned to a room if you want to update refer Setting Floor Sensor Location.

7. Tap **Submit** to complete the pairing process.

The Room Thermostat is now listed on the **Control** tab under the **All** and the specific room tabs.

IMPORTANT: If cooling input is enabled in UFH make sure in **Room Setting > Excluded From Cooling** toggle switch is On. This can be useful if there are areas in a building that do not require cooling, such as storage rooms or unoccupied spaces. Refer UFH Cooling input.

Rooms Room Details

NAME
Basement

DEVICES
Room Thermostat
Basement

CONFIGURATION
UFH Channels
Channel 1
Exclude from cooling
Stops the room from cooling

ABOUT
Floor Sensor
Basement floor sensor assigned to this room

Delete



Related Topics


- [Wiser Room Thermostat \(Parent Topic\)](#)

Pairing the device with the Wiser Hub

Using the Wiser Home app, pair your Room Thermostat with the **Wiser Hub** to access and control the Room Thermostat.

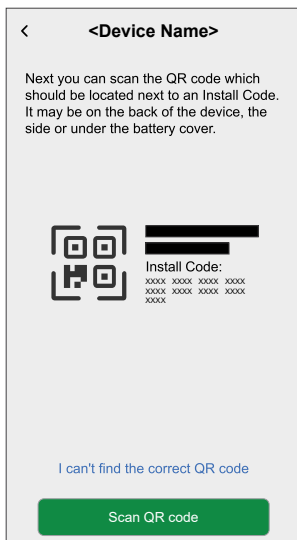
IMPORTANT: Insert the batteries before pairing and follow the Room Thermostat on-screen instructions.

1. On the **Home** screen, tap .
2. Tap **Devices** >  icon and tap **Climate** > **Room Thermostat**.

TIP: You can also navigate by tapping **Control** tab >  > **Climate** > **Room Thermostat**.

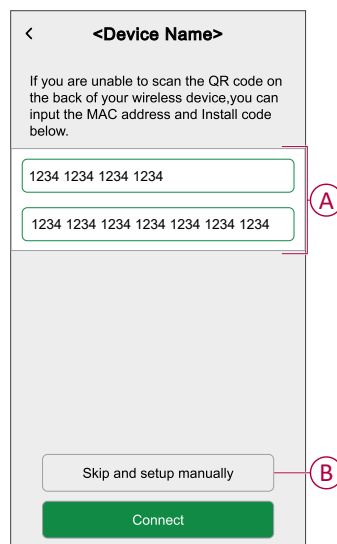
3. Tap **Scan QR code** and allow the Wiser Home app to access your camera. Then, scan the QR code located on the device.

NOTE: If you are unable to find the correct QR code, tap **I can't find the correct QR code** to pair the device manually and proceed to step 4.



If the QR code is incorrect, a message **Incorrect QR code scanned** will appear. Tap **I can't scan the QR code** and choose one of the following options:

- **(A):** Enter the **Mac Address/EUI-64** and **Install Code**, then tap **Connect**. The app will verify if the Mac Address/EUI-64 and Install code are valid.
- **(B):** Tap this option if you are unable to find the Mac Address/EUI-64 and Install code.



4. Tap **Next** to enter Room Thermostat name and assign it to an existing room or a new room, then tap **Submit**.

5. If Underfloor Heating (UFH) is already paired with Wiser Hub, turn on the toggle switch for better performance and update below details:
 - **Device:** If you have more than one UFH installed, select one.
 - **Channels:** Select the channel which is assigned to the same room as room thermostat in **Step 4**.
 - **Floor sensor is in this room?:** Turn on the toggle switch if you want to use the UFH floor sensor which is assigned to the same room as room thermostat.

NOTE:

- To change the UFH channel room refer [Assigning a channel to the room](#).
- Only one UFH floor sensor can be assigned to a room if you want to update refer [Setting Floor Sensor Location](#).

6. Tap **Submit** to complete the pairing process.

The Room Thermostat is now listed on the **Control** tab under the **All** and the specific room tabs.

IMPORTANT: If cooling input is enabled in UFH make sure in **Room Setting > Excluded From Cooling** toggle switch is On. This can be useful if there are areas in a building that do not require cooling, such as storage rooms or unoccupied spaces. Refer [UFH Cooling input](#).

Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)



Configuring the device

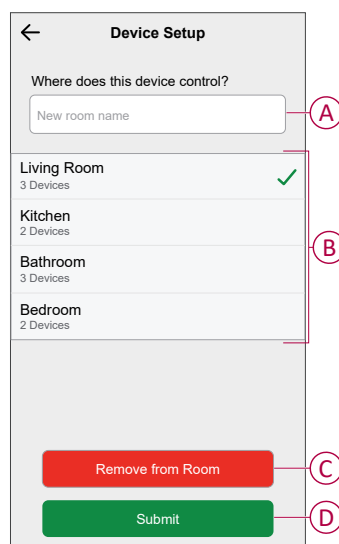
Related Topics

- Wiser Room Thermostat (Parent Topic)
- Setting the device location
- User interface lock settings
- Identifying the device

Setting the device location

Using the Wiser Home app, you can add your device to any room (such as bedroom, living room, dining room etc.).

1. On the **Home** screen, tap .
2. Tap **Devices**, select the device from the list for which you wish to change the location.
3. Tap **Location**  to open setup screen.
4. On the **Device Setup** screen, you can enter **New room name** (A) or select an existing room from the list (B).



TIP: If the device is already assigned, you can remove it from the existing room. Tap **Remove from Room** (C).

5. Once changes are done, tap **Submit** (D).

Related Topics


- Configuring the device (Parent Topic)

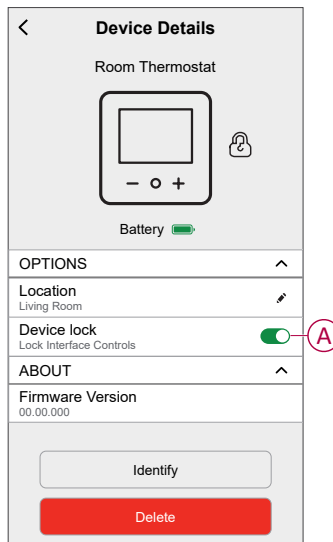
User interface lock settings

Using the Wiser Home app, you can lock the Room Thermostat controls. This prevents children from changing the temperatures in your room when playing with the Room Thermostat.

To lock or unlock the Room Thermostat control:

1. On the **Home** screen, tap .
2. Tap **Devices > Room Thermostat > Device lock (A)**.

TIP: When the Room Thermostat lock is active,  will appear next to the Room Thermostat.



Related Topics

- [Configuring the device \(Parent Topic\)](#)

Identifying the device

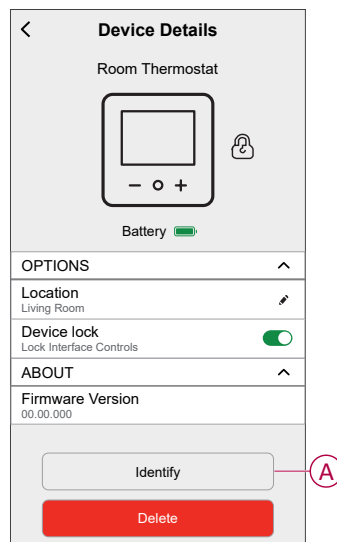
Using the Wiser Home app, you can identify a Room Thermostat from the other available devices in the room.

To identify the Room Thermostat:

1. On the **Home** screen, tap .
2. Tap **Devices > Room Thermostat > Identify (A)**.

NOTE:

- This feature displays an exclamation mark on the Room Thermostat screen, so you can identify the actual device. It may take up to a minute to display an exclamation mark on the Room Thermostat screen.
- The Room Thermostat displays an exclamation mark until you tap **OK**.



Related Topics

- [Configuring the device \(Parent Topic\)](#)

Using the device

Related Topics

- Wiser Room Thermostat (Parent Topic)
- Setting the room temperature
- Wake up the Device
- Voice control
- Creating a moment
- Creating an automation

Setting the room temperature

You can set the room temperature manually using the room thermostat button or remotely using the Wiser Home app.

Related Topics

- Using the device (Parent Topic)
- Setting room temperature manually
- Setting the room temperature using the app

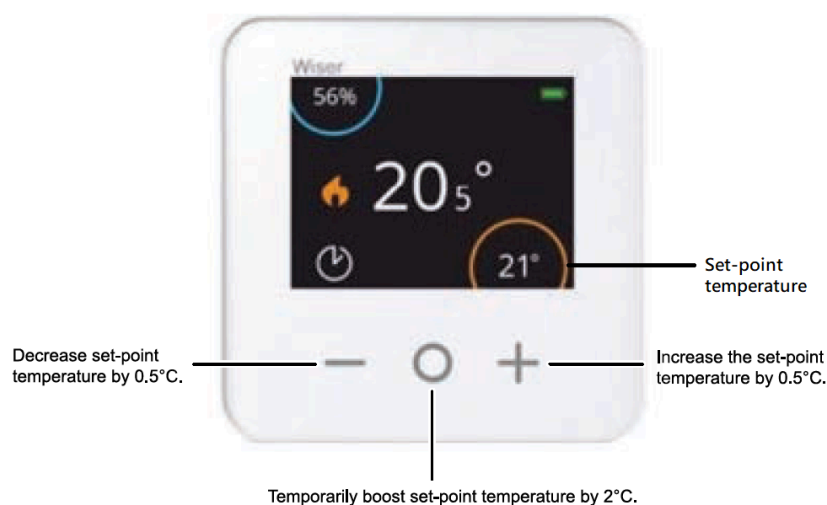
Setting room temperature manually

You can increase or decrease or boost the room temperature using the Room Thermostat button.

The room temperature can be increased or decreased, and boost time can be set using a Room Thermostat button.

- Press the + button to increase the set-point temperature by 0.5 °C.
- Press the - button to decrease the set-point temperature by 0.5 °C.

NOTE: If you change the set-point by more than 3° C at once, wait for 5 seconds. After the screen goes off, touch any of the buttons on it and make sure that the desired set-point is being displayed.



The amount of time the boost remains active depends on how many times you press O as follows:

- Press 1 time = 30 minutes
- Press 2 time = 1 hour

- Press 3 time = 2 hours
- Press 4 time = 3 hours
- Press 5 times = Cancel

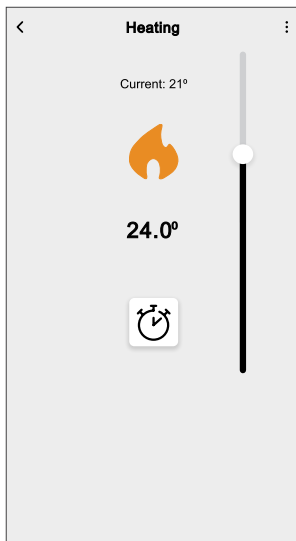
NOTE: With only boost features, you can set the time like how long you want the room to be heated up.

Related Topics




- [Setting the room temperature \(Parent Topic\)](#)

Setting the room temperature using the app

Using the Wiser Home app, you can adjust the room temperature. On the device control screen, drag the sliding bar up/down to adjust the room temperature.



TIP: You can also adjust the room temperature:

- By tapping  or  on the **Control** tab, in the  **Heating** section of the concerned room to adjust its temperature.
- When you add it to your **Favourites**. To know more about **Favourites**, refer to the **Managing Favourites** topic in the respective System User Guide.

NOTE: If you only have a single device in the Wiser System, the **Control** tab will not be visible. All functions will be accessible through the **Home** screen.

Related Topics

- Setting the room temperature (Parent Topic)

Wake up the Device

If there has been no interaction for 15 seconds, the Room Thermostat goes into Sleep Mode, and the display fades out. Wake up the Room Thermostat by tapping any button.

Related Topics

- Using the device (Parent Topic)

Voice control

You can control the plug using Amazon Alexa® and Google home by giving a voice command.

Amazon Alexa™

Amazon Alexa™ (Alexa) is an intelligent personal assistant developed by Amazon™, and is capable of voice interaction.

Common Wiser commands for Alexa

- Discover Devices: “Alexa, discover devices”
- Reduce Temperature: “Alexa, decrease the temperature upstairs by 4 degrees”
- Increase Temperature: “Alexa, increase the temperature upstairs by 3 degrees”
- Set Temperature: “Alexa, set the upstairs to 20 degrees”
- Get Temperature: “Alexa, what is the upstairs temperature?”
- Get the Set Point: “Alexa, what is the upstairs set to?”

Related Topics

- Voice control (Parent Topic)

Google Home

Google Home is a brand of smart speakers that work similarly to Amazon's Alexa. The user can speak a profusion of commands to request information, or ask Google Assistant to perform action.”

Common Wiser commands for Google Home:

- Inquiry: “OK, Google, is the hot water on?”
- Hot Water Command: “OK, Google, turn on/off the hot water”
- Room Temperature: “OK, Google, how warm is (room name)?”
- Set Temperature: “OK, Google, set (room name) to XX degrees”
- Increase Temperature: “OK, Google, increase the setpoint by XX degrees”
- Set Temperature: “OK, Google, set (room name) to XX degree”

Changes made with Google Home



All changes made through a voice command related to room thermostat that is valid for one hour, or until the next scheduled event. The user cannot change this action. This also applies for boosts initiated from the room thermostat.


Related Topics

- Voice control (Parent Topic)

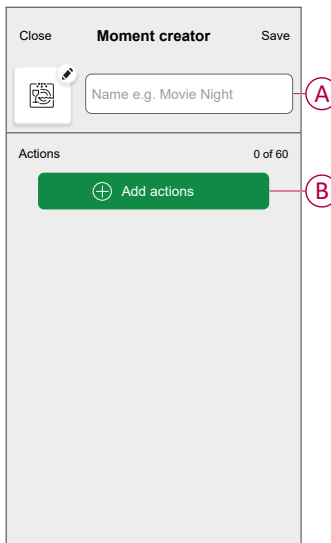
Creating a moment

Moment allows you to group multiple actions that are usually performed together. By using the Wiser Home app, you can create moments based on your needs. To create a moment:

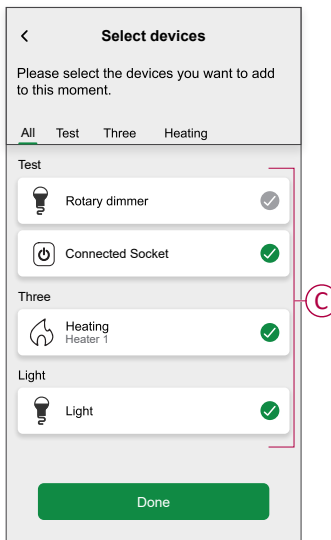
1. On the **Home** screen, tap .
2. Go to **Moments** >  to create a moment.
3. Enter the name of the moment (A).

TIP: You can choose the cover image that best represents your moment by tapping .

4. Tap **Add actions** (B) to select the list of devices.

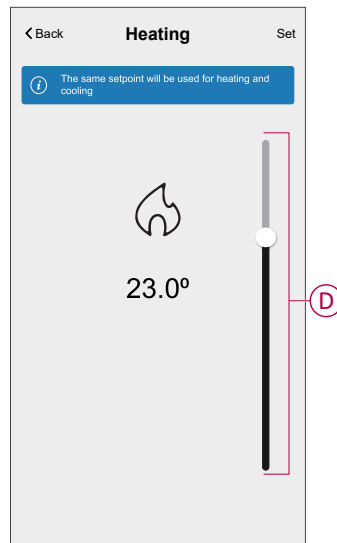


5. In the **Add actions** menu, you can select the devices (C).



6. Once all the device are selected, tap **Done**.

7. On the **Moment creator** page, tap the device to set the condition. For example, select heating.
 - Set the required temperature using sliding bar (D).




When the desired condition is set, tap **Set**.

8. Once all conditions are set, tap **Save**.

Once the moment is saved, it is visible on the **Moments** tab. You can tap on the moment to enable it.






TIP:

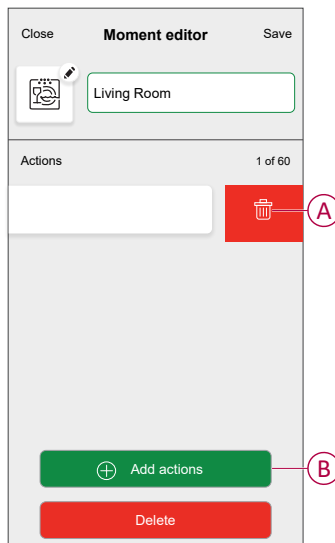
- If you want to see the created moments on the **Home** screen, go to **Home** >  > **Home** screen > **Moments**. Enable the toggle button to view moments on the **Home** screen.
- You can also rearrange the moments by tapping **Edit** from the **Moments** tab on the **Home** screen, or by tapping **Automation** > **Moments** > **Reorder**.

Related Topics

- Using the device (Parent Topic)
- Editing a moment
- Deleting a moment

Editing a moment

1. On the **Home** screen, tap **Automations** .
2. Go to **Moments**, locate the moment you want to edit and tap .
3. On the **Moment editor** screen, you can perform following changes:
 - Change the icon .
 - Rename the moment.
 - Tap each action to change the settings.
 - To remove an action, slide the action to the left and then tap  (A) to delete it.
 - Tap  **Add actions** (B) to add new action.





4. Tap **Save** to save the changes.

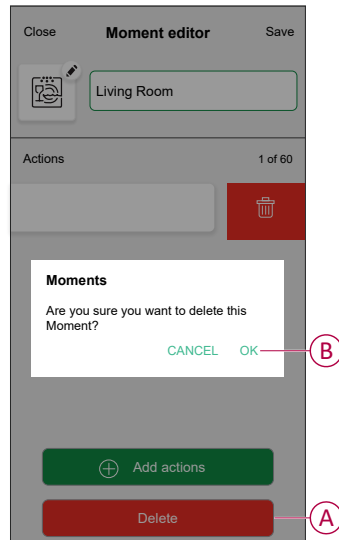
Related Topics

- Creating a moment (Parent Topic)

Deleting a moment

1. On the **Home** screen, tap **Automations** .
2. Go to **Moments**, locate the moment you want to delete and tap .

- On the **Moment editor** screen, tap **Delete** (A) and then tap **OK** (B).





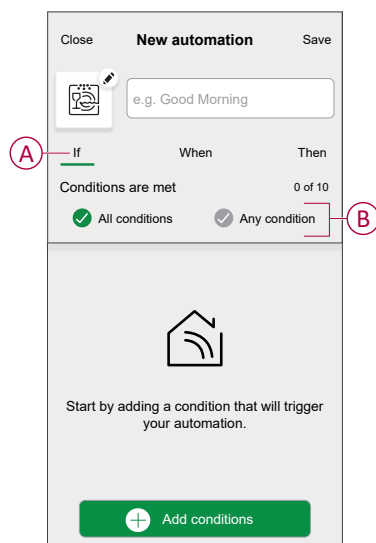
Related Topics

- Creating a moment (Parent Topic)

Creating an automation

An automation allows you to group multiple actions that are usually done together, triggered automatically or at scheduled times. By using the Wiser Home app, you can create automations based on your needs.

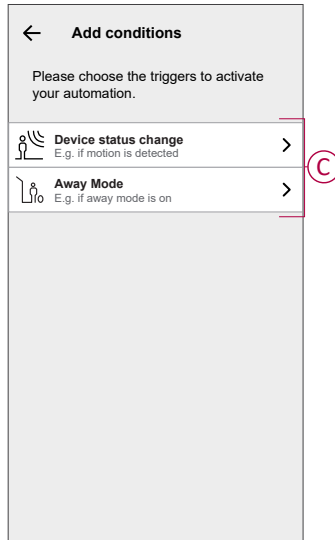
- On the **Home** screen, tap .
- Go to **Automation** >  to create an automation.
NOTE: Maximum 10 automations can be added.
- Tap **If** (A) and select any of the following conditions (B):
 - All conditions:** This triggers an action only when all conditions are met.
 - Any condition:** This triggers an action when at least one condition is met.



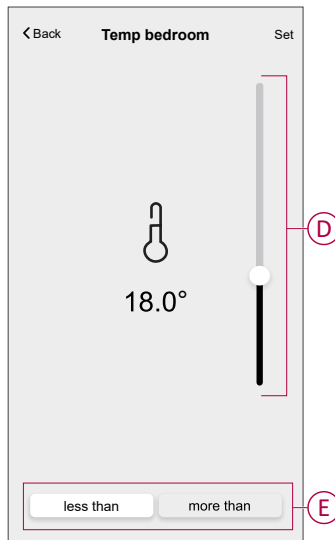
4. Tap **Add conditions** and select any of the following (C):

- **Device status change:** Select a device to enable automation.
- **Away Mode:** Enable/Disable away mode to trigger an action.


TIP: Away mode can also be used as a trigger to turn off the lights, dimmer or closing the shutter etc. For more information about **Away Mode**, refer to the system user guide.



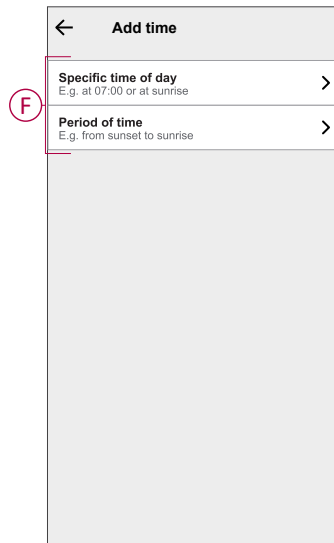
5. Tap **Device status change > Climate**. Set the temperature using sliding bar (D) and select the condition (E) (less than / more than), then tap **Set**.




NOTE:

- Maximum 10 conditions can be added.
- To remove an added condition, swipe left and tap .

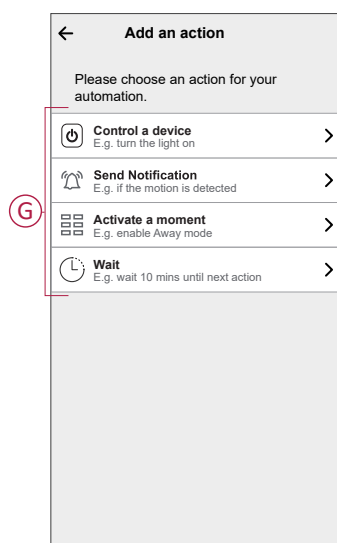
6. To set a specific time for your automation, tap **When** > **Add time** and select any of the following (F):
- **Specific time of the day: Sunrise, Sunset, Custom.**
 - **Period of time: Daytime, Night time, Custom.**

**NOTE:**

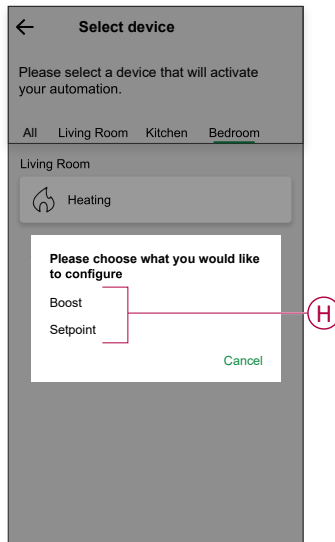
- Maximum 10 entries can be added
- To remove a specific time, swipe left and tap .

7. To add an action, tap **Then** > **Add an action** and select any of the following (G):

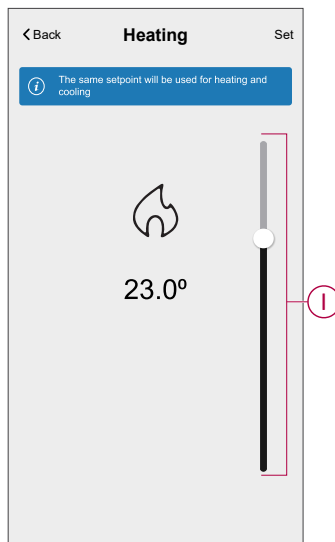
- **Control a device:** Select a devices that you want to trigger.
- **Send notification:** Turn on the notification for the automation.
- **Activate a moment:** Select the moment that you want to trigger.
- **Wait:** This option allows you to add a delay in an automation sequence. You can set the wait time in increments of 1 hour and 1 minute, up to a maximum of 24 hours. This feature is useful for delaying actions within an automation.




8. Tap **Control a device** > **Heating** and select any of the following (H):
- **Boost**: Set the duration to increase the temperature by 2° C.
 - **Setpoint**: Set the desired temperature.



9. Tap **Setpoint**, set the required temperature using vertical sliding bar (I), then tap **Set**.

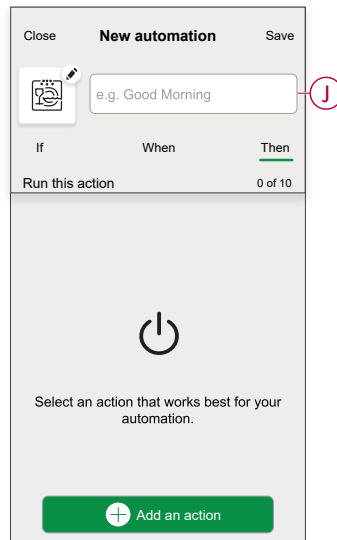


NOTE:

- Maximum 10 actions can be added.
- To remove an action, swipe it left on the action and then tap .

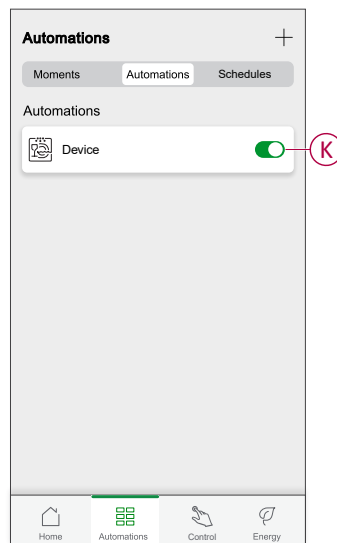
10. Enter the automation name (J).

You can choose the cover image that represents your automation by tapping

11. Tap **Save**.

Once the automation is saved, it is visible on the **Automation** tab.

Using the (K) you can enable and disable the automation.



Related Topics

- Using the device (Parent Topic)
- Example of an automation
- Editing an automation
- Deleting an automation

Example of an automation

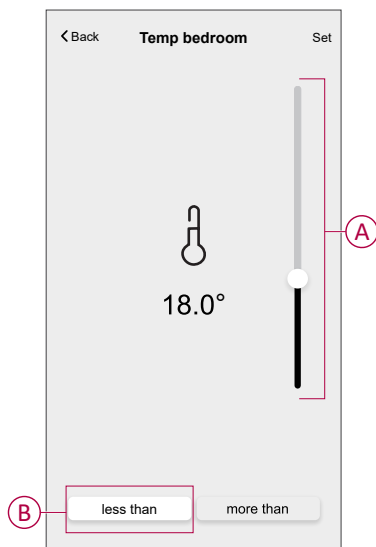
This demonstration shows you how to create an automation to turn on the Heating to the desired temperature (set point) of 20° C when the temperature is less than 18° C.

NOTE: It is mandatory to create two automations:

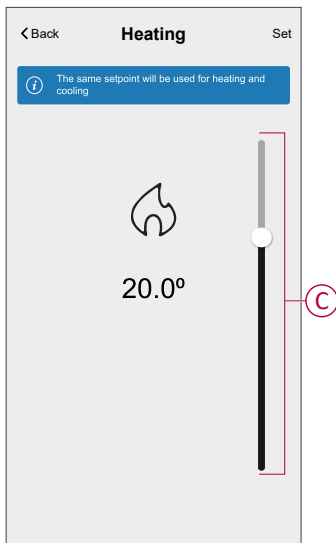
- First, switch on the heater at the desired 20° C when the room temperature is 18° C or lower.
- Second, switch off the heater when the room temperature is at 25° C or above.

The room heater will not turn off automatically until you create another automation.


1. Go to **Automation** > + to create an automation.
2. To add a condition, tap **Add Condition** > **Device status change** > **Temperature/Humidity Sensor** > **Temperature**.
3. Set the temperature as 18° C (A) and the condition as **less than** (B) and tap **Set**.



4. Read the information and tap **OK**.
5. To add an action, tap **Then** > **Add an action** > **Control a device** > **Heating** > **Setpoint**. Set the temperature to 20° C (C), then tap **Set**.

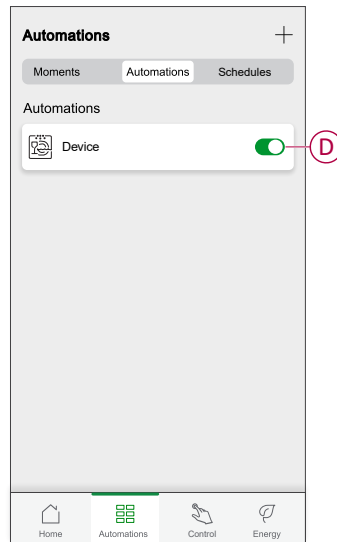


6. Read the information and tap **OK**.
7. Enter the name of the automation.

TIP: You can choose the cover image that represents your automation by tapping .

8. Tap Save.

Once the automation is saved, it is visible on the **Automation** tab.







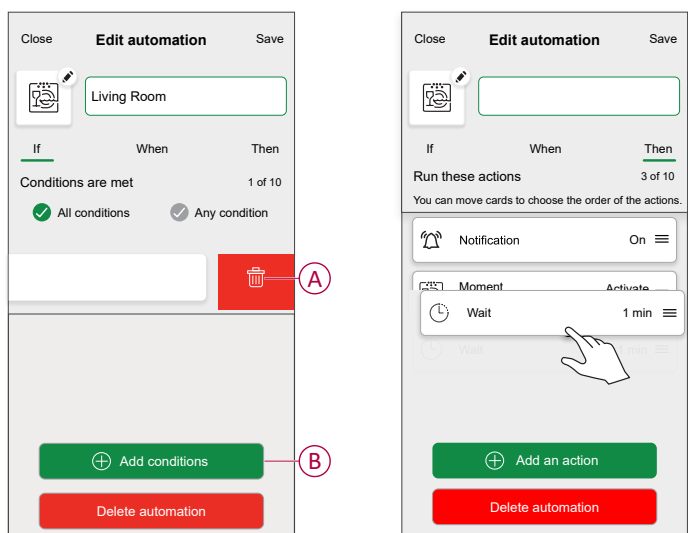
NOTE: You can enable or disable saved automations on the **Automations** tab by using  (D).

Related Topics

- [Creating an automation \(Parent Topic\)](#)

Editing an automation

1. On the **Home** screen, tap **Automations** .
2. Go to **Automation**, tap the automation you want to edit.
3. On the **Edit automation** screen, you can perform the following changes:
 - Change the icon .
 - Rename the automation.
 - Tap each condition to change the settings.
 - To remove a condition, slide the condition towards left and then tap  (A) to delete it.
 - Tap  **Add conditions** (B) to add new condition.
 - To change the order of actions, tap the **Then** option, and hold an action, then drag and drop to the desired position.




4. Tap **Save** to save the changes.

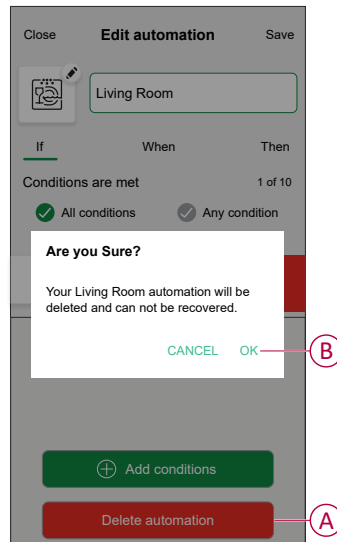
Related Topics

- Creating an automation (Parent Topic)

Deleting an automation

1. On the **Home** screen, tap **Automations** .
2. Go to **Automation**, tap the automation you want to delete.

- On the **Edit automation** screen, tap **Delete automation** (A) and read the confirmation message and then tap **OK** (B).




Related Topics

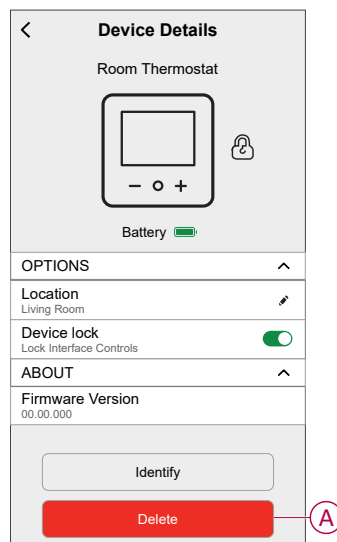
- Creating an automation (Parent Topic)

Removing the device

Using the Wiser Home app, you can remove the Room Thermostat from the Wiser system.

To delete the Room Thermostat:

- On the **Home** screen, tap .
- Tap **Devices > Room Thermostat > Delete** (A).



Related Topics

- Wiser Room Thermostat (Parent Topic)

Resetting the device

The Room Thermostat can be reset manually at any time, e.g., if the Hub is replaced. To remove the device from a heating system and join another system. To reset the Room Thermostat:

1. Remove the batteries and re-insert them.
2. When the “Wiser” startup screen appears, press the + and - buttons at the same time for 20 seconds until the unit restarts.



Related Topics

- Wiser Room Thermostat (Parent Topic)

Replacing the batteries

Replace the batteries when the battery level is low. The battery level can be seen in the Room Thermostat display top-right corner. It can also be viewed in the Wiser Home app under Settings > Devices. Follow the steps below to replace the batteries:

1. Open the battery compartments.
2. Replace the batteries.

TIP: Make sure that the polarity of the batteries (+ and -) are in the right direction. The polarity is indicated on the terminals of the device.

NOTICE

USE ONLY STANDARD, NON-RECHARGEABLE AA ALKALINE BATTERIES

- **Do not use** rechargeable batteries, Zinc Carbon, or Zinc Chloride batteries.
- Rechargeable batteries are not optimized for Wiser device systems.

Failure to follow these instructions can result in equipment damage.

3. Close the battery compartments.




Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)

LED indications

Room thermostat

Status	LED	Description
Low Battery		Flashes red when the batteries are low.

Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)

Troubleshooting

Symptom	Possible cause	Solution
The Room Thermostat screen goes blank.	Batteries may be low or drained	Replace the batteries., page 36
Unable to set the room temperature	Wiser Hub signal is weak or not connected to the WIFI network.	Check for a Wi-Fi® signal.
Unable to set the room temperature, control are disabled.	Check room details if only if Room thermostat is alone in the room and the hub is not connected to the boiler relay.	Add a heating device to this room will enable to control temperature.

Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)

Technical Data

Power supply	2 alkaline batteries type IEC LR6 1.5 V (AA)
Interfaces	User: TFT screen, touch buttons
Wiring	No cabling required
Temperature setting range	5 °C to 30 °C
Temperature resolution	0.5 °C
Operating temperature	0 °C to 45 °C
Storage temperature	-20 °C to 65 °C
Operating frequencies	2.4 GHz (bidirectional, mesh)
Transmission	+13 dBm (20 mW)
Degree of pollution	2
Radio signal range	30 m in free space
Software class	A
IP rating	IP20
Mounting	Wall bracket or table stand
Product dimensions:(H x W x D)	76 x 76 x 25 mm

Related Topics

- [Wiser Room Thermostat \(Parent Topic\)](#)

Compliance

Related Topics

- Product Environmental Data
- Declaration of Conformity
- Trademarks

Product Environmental Data

Find and download comprehensive environmental data about your products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP), End-of-Life instructions (EOL) and much more.

<https://www.se.com/myschneider>



General information about Schneider Environmental Data Program

Click the link below to read about Schneider Electric's Environmental Data Program.

<https://www.se.com/ww/en/about-us/sustainability/environmental-data-program/>



Related Topics

- Compliance (Parent Topic)

Declaration of Conformity

Hereby, Schneider Electric Industries SAS, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO EQUIPMENT DIRECTIVE 2014/53/EU and the Radio Equipment Regulations SI 2017 No. 1206.

Declaration of conformity can be downloaded on:

- <https://www.go2se.com/ref=CCTFR6400>
- <https://www.go2se.com/ref=CCTFR6401>

Related Topics

- Compliance (Parent Topic)

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Related Topics

- Compliance (Parent Topic)

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DUG_Room Thermostat_WH-08