

Wiser 2 Channel Dimmer Controller (Wiser)

Device user guide

Information about features and functionality of the device.

07/2025

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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 2 Channel Dimmer Controller



IH12000020

For your safety

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks.
- Connecting several electrical devices.
- Laying electric cables.
- Safety standards, local wiring rules and regulations.

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

About the device

Wiser 2 Channel Dimmer Controller is a miniature micro module (hereinafter referred to as **Puck**), which is remotely controlled and designed to operate in AC mains. In AC mains, it operates with a common neutral lead. Two bell switches enable ON/OFF and dimming control of regular loads. It can be used to control different types of analog/digital dimmable lights. The device also operates as a repeater within the Z-Wave network to which it is associated and uses the latest Z-Wave plus chips. Typical regular dimmer loads (2D) are: light sources and other dimmable utility appliances.



Installing the device



Refer to the installation instruction supplied with this product.

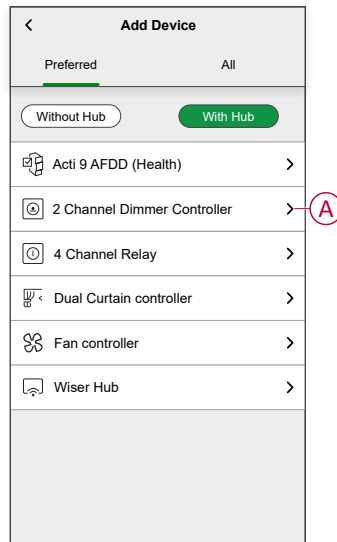
See Wiser 2 Channel Dimmer Controller.

Pairing the device with the Wiser Hub

Using the Wiser app, you can pair your 2 channel dimmer puck with the Wiser Hub to access and control the dimmer.

1. On the **Home** screen, tap  **Devices**.
The **Device Management** screen appears.
2. Tap **Devices** > +.
The **Add Device** screen appears.
3. Tap **Preferred** > **With Hub** >  **2 Channel Dimmer Controller (A)**.

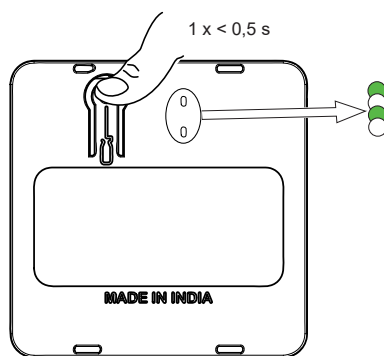
TIP: You can also tap **All** >  **Switches and Controls** >  **Z-Wave Switches and Controls** >  **2 Channel Dimmer Controller**.



4. Enter the following **Device Information** and then tap **Next**:
 - **Enter Device Name:** Enter the device name.
 - **Assign Existing Room:** Select an existing room.
TIP: If your room is not in the existing room list, create a new one.
 - **Add New Room:** Create a new room.

5. Tap **Next** and choose one of the following options to pair the device with the Wiser Hub.

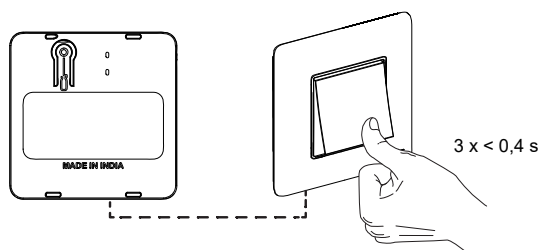
- Press the pairing button once and make sure that the LED blinks green.



Wait for a few seconds until the LED turns green.

TIP: If the LED is blinking red, then the device is not paired to the Hub. Reset the device and start pairing again.

- Press the toggle Switch-1 3 times (Sequence: ON-OFF ON-OFF ON-OFF) within 4 seconds.





NOTE: If the dimmer puck is installed inside the wall box, the status LED is not visible.

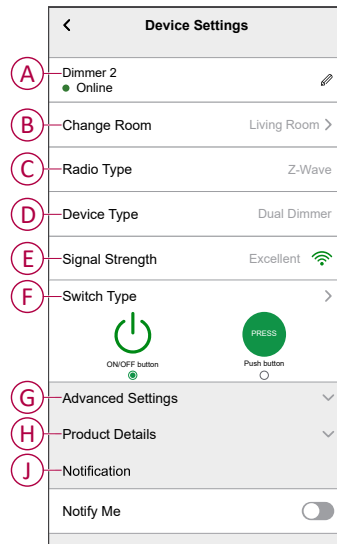
6. After a few minutes, you can see the Wiser message. Tap **Ok**.


You can see the newly added device on the **Device Management** screen under **Devices**.

Configuring the device

Using the Wiser app, you can configure the device according to your preference.

1. On the **Home** screen, tap  **Devices > Devices**.
 2. Select the device from the list.
 3. On the Device Control Screen, tap .
- The **Device Settings** screen appears.





A	Device Name	Displays the device name, tap  to change the device name. For more information, refer to the Renaming the device , page 8 topic.
B	Change Room	Displays the assigned room of the device, tap Change Room to assign any room (such as living room, bedroom, kitchen, etc.). For more information, refer to the Changing the device location , page 9 topic.
C	Radio Type	Displays the Z-Wave network.
D	Device Type	Displays the device type.
E	Signal Strength	Displays the signal strength.
F	Switch Type	Allows you to change the switch type to ON/OFF Button or Push Button .
G	Advanced Settings	Allows you to set group switches and configuration. When you tap Advanced Settings , you can see the following options: <ul style="list-style-type: none"> • Group Switches: Manage multiple switches as a single group. • Associate with other powered Z-Wave devices: Link your device with other Z-Wave devices for synchronized operation. • Group Association: Create associations between devices for coordinated actions. • View Configuration: Check the current settings and configurations of your device. • Set Configuration: Adjust and customize the settings of your device.
H	Product Details	Displays the product details such as manufacturer name, ID, product name, ID, and type. Also you can view the firmware version and update it if a new version is available by tapping Product Details > Firmware Version & OTA .
J	Notification	Enable the Notify Me toggle button to receive device notifications.


Renaming the device

You can rename the device name using the Wiser app.

To rename the device:

1. On the **Home** screen, tap  **Devices > Devices**.
2. Select the device for which you want to change the name.
3. On the top-right screen, tap .



The **Device Settings** screen appears.

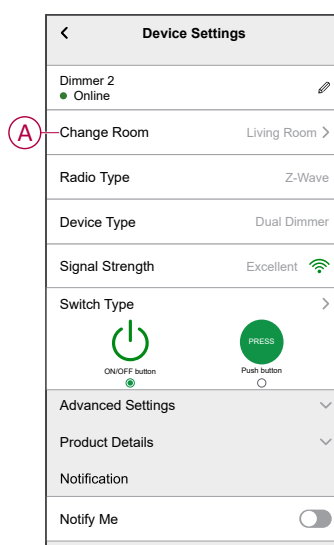
4. Tap  and enter a new name in the name field.
The changes will be saved automatically.

Changing the device location

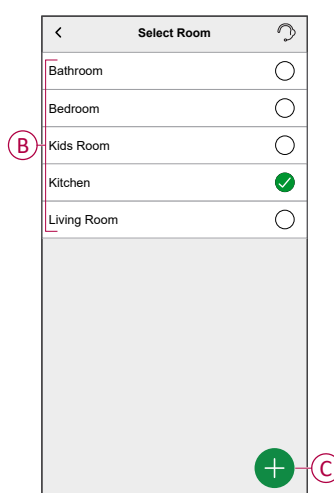
You can change the device location using the Wiser app.

To change the device location:

1. On the **Home** screen, tap  **Devices > Devices**.
2. Select the device for which you wish to change the location.
3. On the top-right screen, tap .
The **Device Settings** screen appears.
4. Tap **Change Room (A)**.



5. Select the desired room from the list (B).




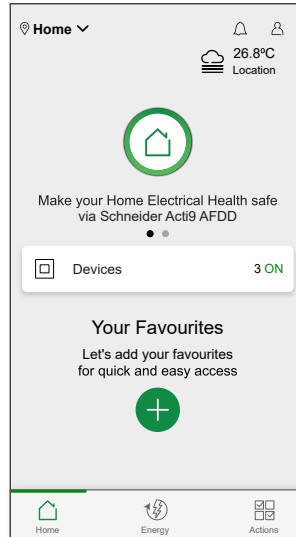
TIP: If your room name is not present in the list, you can create a new room by tapping the + (C) button.

Add favourites


You can add your devices and automations to favourites for quick and easy control from the Home screen.

To add favourites:

1. On the **Home** screen, tap .




The **Edit Favourites** screen appears.


2. Tap the  icon to add all your favourite devices and automations.
 3. Once selected, tap **Save**.
- Now you can view all your favourite devices/automations on the Home screen.

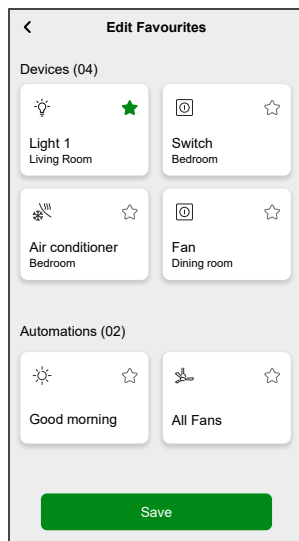
Edit favourites

You can add or remove devices and automations from the favourites list.

To remove favourites:

1. On the **Home** screen, tap .
- The **Edit Favourites** screen appears.


2. Tap the  icon to add or remove devices and automations from the favourites list.



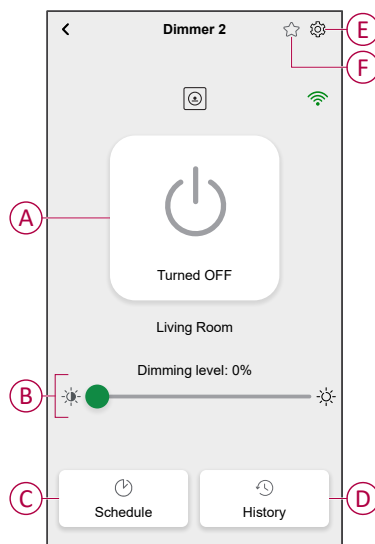
3. Once complete, tap **Save**.


Using the device

The Device Control Screen allows you to Switch ON/OFF, adjust the brightness level and control various settings.

1. On the **Home** screen, tap  **Devices > Devices**.
2. Select the device which you want to access the Device Control Screen.

The Device Control Screen displays the following options:



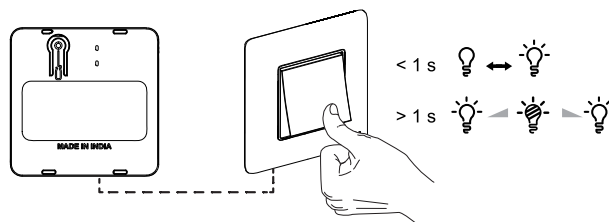
A	Power Button	Allows you to change the status of the device ON/OFF.
B	Dimming Level	Allows you to adjust the brightness of your dimmer.
C	Schedule	Allows you to create quick actions and trigger automations.
D	History	Allows you to see the history of the device. Tap  to update the history of the device when you open the History screen.

E	Settings	Allows you to control various settings. For more information, refer to the Configuring the device , page 7 topic.
F	Favourites	Allows you to add the device to the favourites on the Home screen.

Manual operation

When the puck is connected to a bell switch, the connected lighting devices can be controlled manually.

- Short press the bell switch to turn ON/OFF the light.
- Press and hold the bell switch to adjust the dimming level of the light.





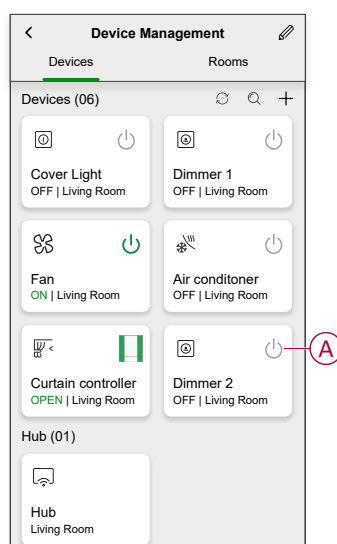
NOTE: When the puck is installed inside the wall box, the status LED is not visible while using the puck.

Turning ON/OFF dimmer using app

Using the Wiser app, you can turn ON/OFF the dimmer.

Turn the device ON/OFF:

1. On the **Home** screen, tap  **Devices** > **Devices**.
2. Find the device you want to turn ON/OFF.
3. Tap  (A) to turn ON/OFF the dimmer.




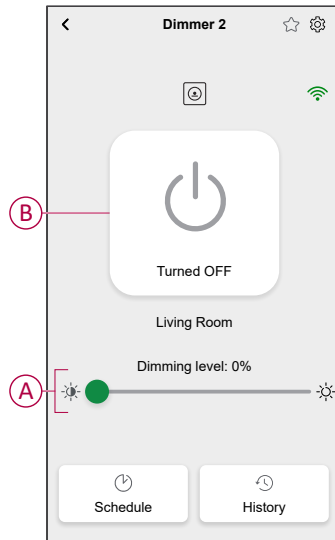
TIP:


- You can also turn the device ON/OFF from the Device Control Screen.
- Additionally, turn the device ON/OFF when you add it to your Favourites. To know more about Favourites, refer to the [Add Favourites](#), page 10 topic.

Adjusting the brightness level using app

Using the Wiser app, you can increase or decrease the brightness level of the dimmer.

1. On the **Home** screen, tap  **Devices > Devices**.
2. Select the dimmer.
3. On the Device Control Screen, drag the sliding bar (A) left/right to increase/decrease the brightness.



TIP: You can also tap  (B) to turn ON/OFF the dimmer.

NOTE: Some lamps have a starting point. When you turn on the lamp at a low brightness, it quickly gets very bright and then automatically returns to the lower brightness. This is the behavior of the lamp, and the dimmer can't change it.

Quick (Action)

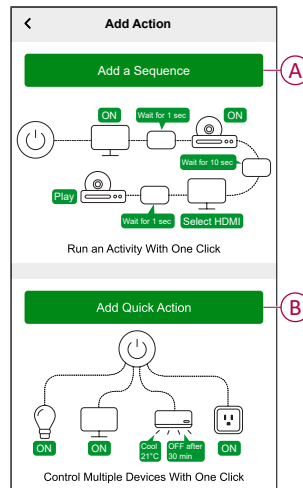
Creating an action

An action allows you to group multiple actions that are usually done together. Using the Wiser app, you can create actions based on your needs (such as movie night).

To create an action:

1. On the **Automations** screen, tap **Quick**.
2. On the bottom-right screen, tap **+** to create an action.

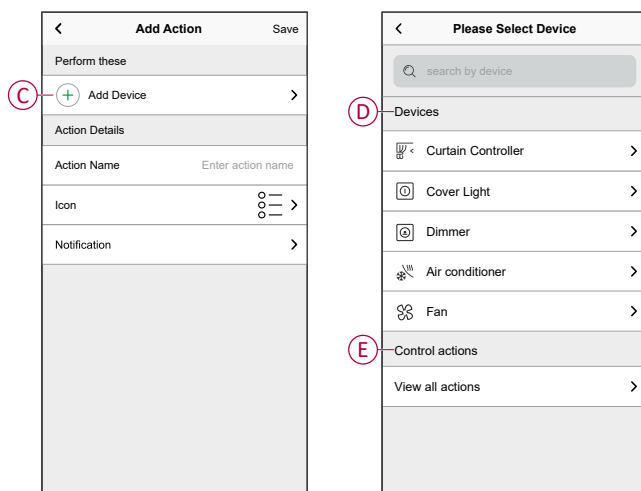
The **Add Action** screen appears.



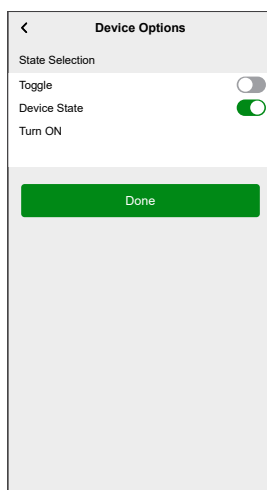
3. Select one of the following options as per your preference:
 - **Add a Sequence (A)**: Switch ON multiple devices in a sequence.
 - **Add Quick Action (B)**: Switch ON multiple devices at a time.

TIP: Follow the below steps to create an action for both **Add a Sequence (A)** and **Add Quick Action (B)**. The only difference is that you need to enter the time gap for **Add a Sequence**.

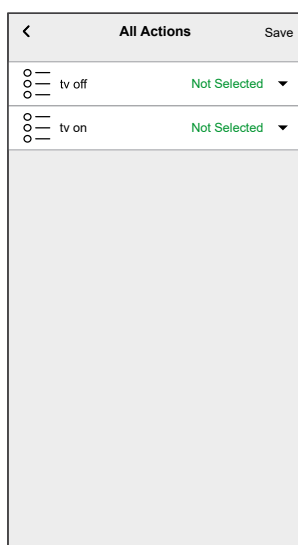
4. Tap **Add Device** (C) and select either a device or an action:




- **Devices (D):** Select a device from the list and set the device status (e.g., ON/OFF, delay). Then, tap **Done**.



- **Control actions (E):** Tap **View all actions**, select an action from the list, and set the action status. Then, tap **Save**.



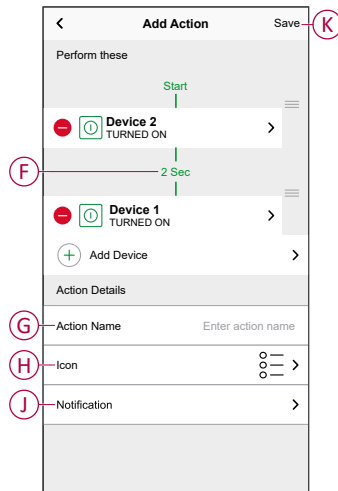
TIP: Tap  and enter your device name to find it.

5. Repeat steps 4 to add more than one device or an action.

TIP: You can change the waiting time by tapping the time (F) (Only for **Add a Sequence**).

NOTE: By default, the time gap is 2 seconds, and the maximum time gap you can select is 120 seconds.

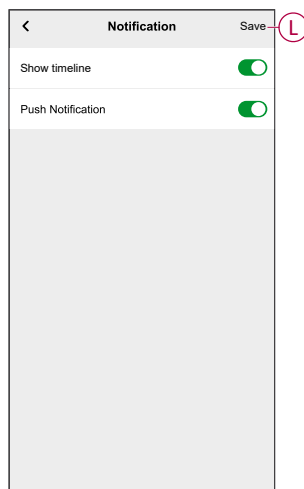
6. Enter the **Action Name** (G).



7. Tap **Icon** (H) and select the icon from the list.


8. Tap **Notification** (J) and enable the toggle button for the following options and then tap **Save** (L):

- **Show timeline:** Displays the total power consumption.
- **Push notifications:** Receives the notifications.




NOTE: To switch the toggle buttons, make sure to first activate the **Notify me** toggle button on the Settings page.

9. Once all conditions are set, on the top-right screen, tap **Save** (K).

You can see the newly created action on the **Quick** tab. Tap  on the action to enable it.

Editing an action


To edit an action:

1. On the **Automation** screen, tap **Quick**.
2. On the top-right screen, tap  .
The **Edit Actions List** screen appears.

3. On the **Edit Actions List** screen, tap the action you want to edit.
TIP: If you want the same action, tap the hand symbol, it will copy the same action and add it to the **Edit Actions List**.
4. You can perform the following changes:
 - Change the icon.
 - Rename the action.
 - Add a device or an action.
 - Remove a device or an action.
 - Change the time delay (Only for **Add a Sequence**).
5. Once all the edits are done, tap **Update**.

Deleting an action

To delete an action:

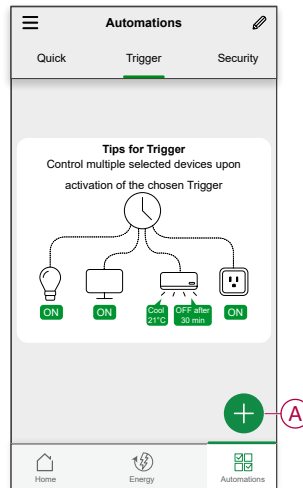
1. On the **Automation** page, tap **Quick**.
2. On the top-right screen, tap .
The **Edit Actions List** screen appears.
3. On the **Edit Actions List** screen, tap the remove button that is next to the action, and then tap **Delete** to remove it.

Automation (Trigger)

Creating an automation for trigger

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

1. On the **Automation** screen, tap **Trigger**.
2. Tap **+** (A) to create an automation.



3. Tap **Add Trigger** (B).

The screenshot shows the 'Add Action' screen. At the top, there is a back arrow, the title 'Add Action', and a 'Save' button. Below the title bar, there is a 'Triggers' section with a green plus icon and the text 'Add Trigger' (labeled B). Below this is a 'Perform these' section with a green plus icon and the text 'Add Device' (labeled C). Below these sections is an 'Action Details' section with fields for 'Action Name' (with placeholder text 'Enter action name'), 'Icon' (with a selection icon and a right arrow), and 'Notification' (with a right arrow). The bottom of the screen is a large grey area.

The **Select Trigger** screen appears.

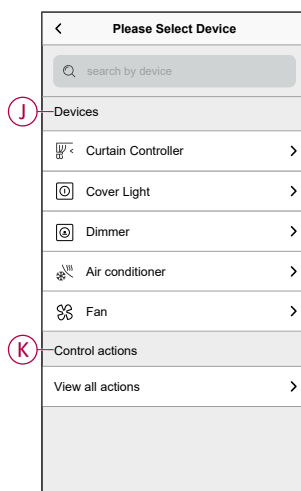
The screenshot shows the 'Select Trigger' screen. At the top, there is a back arrow and the title 'Select Trigger'. Below the title bar, there are five trigger options, each with an icon, a label, and a right arrow: 'Time' (clock icon, labeled D), 'Location' (location pin icon, labeled E), 'Device' (device icon, labeled F), 'Power' (power icon, labeled G), and 'Weather' (weather icon, labeled H). The bottom of the screen is a large grey area.

4. Select a trigger option from the following list on the **Select Trigger** screen:
 - **Time (D)**
 - **Location (E)**
 - **Device (F)**
 - **Power (G)**
 - **Weather (H)**
 - a. Tap **Time (D)**, select any one of the following options and then tap **Save.:**
 - **Any time:** Set for any time.
 - **At Specific time:** Set for a specific time.
 - **At in between time:** Set for in between time.
 - **Perform only once:** Set for only once.
 - b. Tap **Location (E)**, select any one of the following options:
 - **Arriving location:** Select arriving location.
 - **Departing location:** Select a departing location.

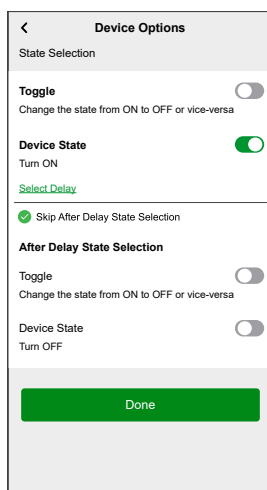
NOTE: Mobile location should turn on.
 - c. Tap **Device (F)** and select a device from the list.
 - d. Tap **Power (G)** and select an option from the following list:
 - **EMD B**
 - **EMD R**
 - **EMD Y**
 - **Raycon**

NOTE: This option is only available when the EMD or Meter device is installed in your Home or location.
 - e. Tap **Weather (H)** and select an option from the following list:
 - **Outside Temperatures:** Select the temperature to trigger an action.
 - **Outside Humidity:** Select the humidity level.
 - **When Sunrises:** Select when sunrises.
 - **When Sunsets:** Select when sunsets.

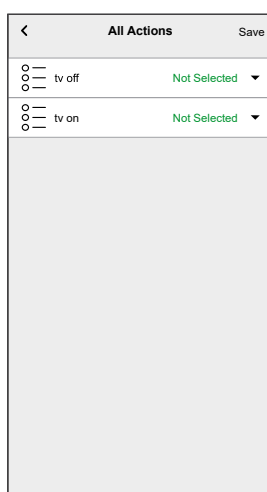
5. Tap **Add Device (C)** and select either a device or an action:




- **Devices (J):** Select a device from the list and set the device status (e.g., ON/OFF, delay). Then, tap **Done**.



- **Control actions (K):** Tap View all actions, select an action from the list, and set the action status. Then, tap **Save**.




TIP: Tap  and enter your device name to find it.

- Repeat steps 5 to add more than one device or an action.
- Enter the **Action Name**.
- Tap **Icon** and select the icon from the list.

9. Tap **Notification** and enable the toggle button for the following options:
 - **Show timeline:** Displays the total power consumption.
 - **Push notifications:** Receives the notifications.
10. Once all the actions are set, tap **Save**.
You can see the newly created automation on the **Trigger** tab. Tap the toggle button to enable or disable the automation.


Editing a trigger

To edit a trigger:

1. On the **Automation** screen, tap **Trigger**.
2. On the top-right screen, tap .
The **Edit Actions List** screen appears.
3. On the **Edit Actions List** screen, tap the trigger you want to edit.
TIP: If you want the same trigger, tap the hand symbol, it will copy the same trigger and add it to the **Edit Actions List**.
4. You can perform the following changes:
 - Change the icon.
 - Rename the trigger.
 - Add a device or an action.
 - Add a trigger.
 - Remove a device or an action.
 - Remove a trigger
5. Once all edits are done, tap **Update**.

Deleting a trigger

To delete a trigger:

1. On the **Automation** screen, tap **Trigger**.
2. On the top-right screen, tap  to remove a trigger.
The **Edit Actions List** screen appears.
3. On the **Edit Actions List** page, tap the remove button that is next to the trigger, and then tap **Delete** to remove it.

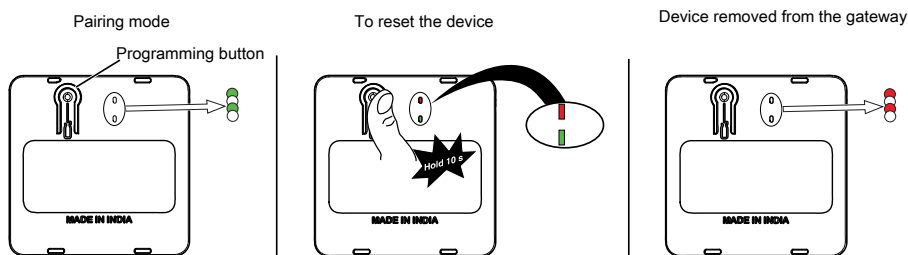
Resetting the device

You can reset the device to factory default manually.

For resetting the micro module:

1. Press and hold the **Programming** button for <10 s.

- After 10 s, LED starts blinking red then release the programming button.





NOTE: All configuration data, user data, and network data are deleted. After which

- No connectivity to other devices or rooms.
- No moment or schedule settings.


Removing the device

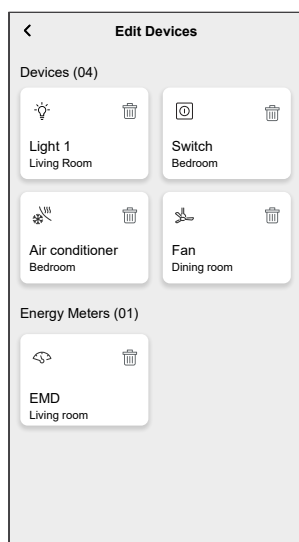
Using the Wiser app, you can remove a device from the device list.

To remove a device:

- On the **Home** screen, tap  **Devices > Devices**.
- On the top-right pane, tap .

The **Edit Devices** screen appears.

- Tap  on the device that you want to remove from the Wiser system.



The **Delete** message pop-up appears.



- Tap **Confirm**.

Wait for a few seconds, and the successful message appears on the screen.


NOTE: By removing the device, you will reset the device. If you still have a problem with the reset, then refer to .

LED indication

Pairing the device

User Action	LED Indication	Status
Short press the programming button once.	Both red and green LED's glows constantly. 	Pairing mode is active. When pairing is completed, LED blinks green continuously. 

Resetting the device

User Action	LED Indication	Status
Short press and hold the programming button for <10 s.	LED blinks red once per second. 	The device is in reset mode. The device then restarts indicating that the device is ready for pairing.

Troubleshooting

Symptom	Possible cause	Solution
Device not powering ON	<ol style="list-style-type: none"> 1. Device is offline. 2. Check wiring connection. 3. Connect only phase and neutral to the device and check power ON status. 4. Indication LED blinking. 	<ol style="list-style-type: none"> 1. Reset main incomer MCB. 2. Replace the module.
Functionality	<ol style="list-style-type: none"> 1. Check the wiring connection. 2. Check the load values are within the limits. 3. Manual operation of dimmer load Dim 1 & Dim 2. 	<ol style="list-style-type: none"> 1. Reset main incomer MCB. 2. Replace the module.
Device not pairing	<ol style="list-style-type: none"> 1. LED Indication on the device. 2. Hub height from the ground.(3 Feet Min.). 3. While pairing the device distance between Hub and device. (Max. 3 Feet). 4. Try removing from the app and try to pair. 	<ol style="list-style-type: none"> 1. Pair the module near the Hub. 2. Try On/Off S1 Switch for 5 times by keeping app in Add device.
Device inactive	<ol style="list-style-type: none"> 1. Check wiring connection. 2. Device manual working condition. Dimmer load Dim 1 & Dim 2. 3. Distance between Hub and device within the coverage distance of 20 feet. 4. Include the device by keeping 3 feet distance from the Hub. 	<ol style="list-style-type: none"> 1. Try operating the Lights with switches. 2. Reset main incomer MCB. 3. Replace the module.
Range issue/operation failed	<ol style="list-style-type: none"> 1. Hub height from the ground.(3 Feet Min.). 2. Distance between the Hub and the device should be within the coverage range. 3. Check the signal strength on the Wiser App. 	<ol style="list-style-type: none"> 1. Try operating the Lights with switches. 2. Reset main incomer MCB. 3. Replace the module.

Technical data

Power input	100 – 240 Vac, 50 Hz
Dir Dim 1 and Dir Dim 2	40 W inductive or resistive load, 0.6 A at 250 Vac (Max)
0-10V (PWM) LED driver dim channel	40 W resistive load, at 250 Vac (Max)

Operating temperature	-10 to +35 °C
Relative humidity	8% – 80% RH
Dimensions	50 x 50 x 17 mm
RF frequency	865.22 MHz for India
Surge protection	Upto 1.2 KV
Typical line of sight range	Up to 20 m In open area — Indoor** Up to 30 m In open area — Outdoor**
Plastic housing	Fire retardant ABS

Compliance

Trademarks

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