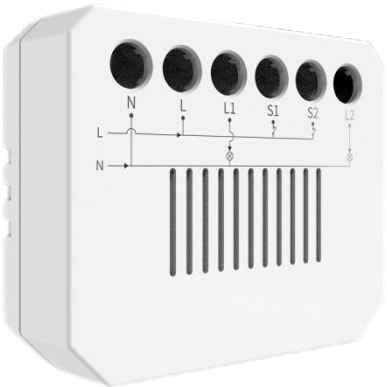
akubela

1-Gang, 2-Gang Switch Module User Guide

ZBMD-C1-R1



ZBMD-C1-R2

Contents

Product Overview 1

Before getting started 2

Wiring 2

Physical Button 4

Indicator 5

Paring with Devices 5

- Via HyPanel devices 5
- Via BelaHome app 8

Set Relay Types 10

- On HyPanel devices 10
- Via BelaHome app 11

Change Switch Types 11

- Via Belahome 11

Using Switch Module's Button (No paring required) 12

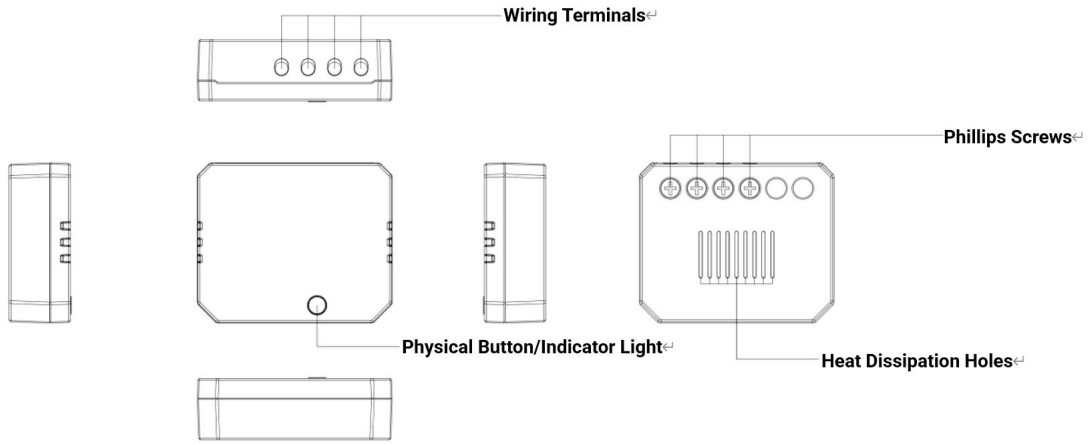
Schedule Function 12

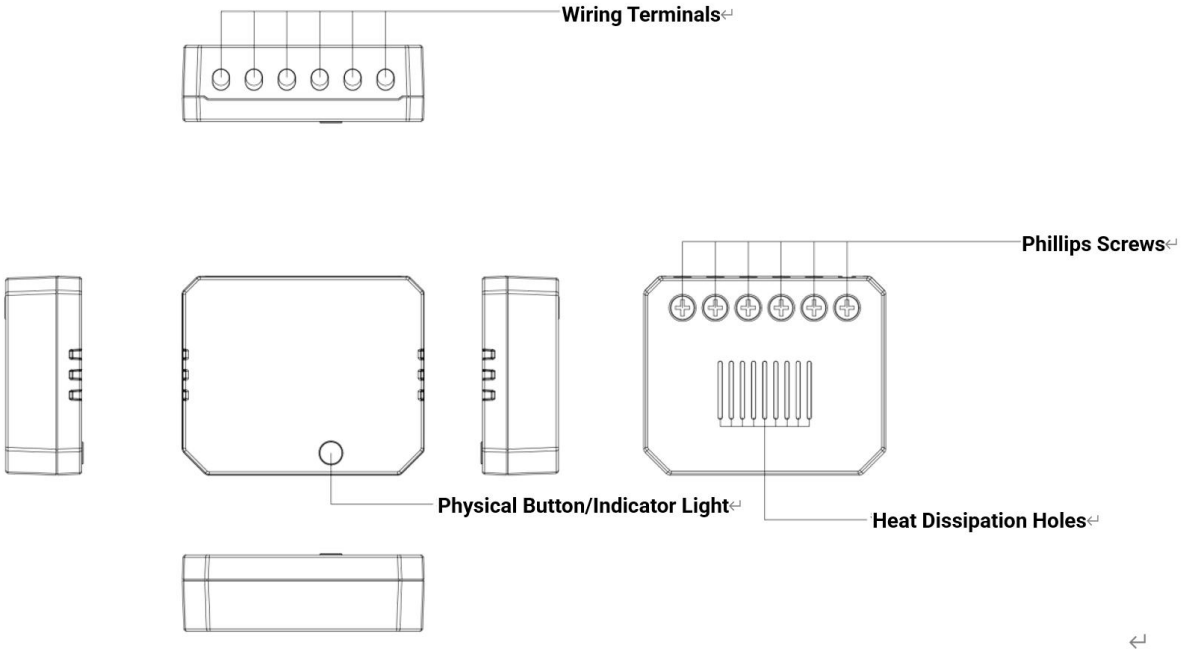
Restart Switch Module 14

Using the BelaHome App 14

Performing a Hard Reboot 14

Product Overview





Before getting started

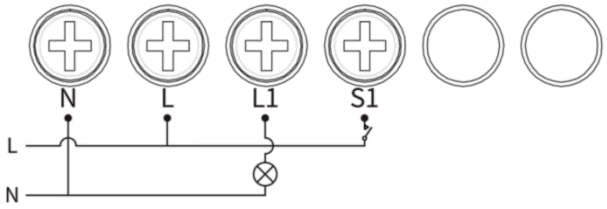
1. Cut off the circuit power before starting the wiring!

2. Update your HyPanel devices to the following firmware versions:

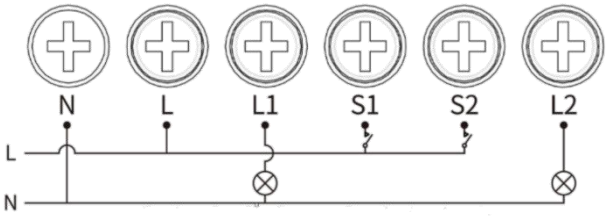
- HyPanel: 51.1.xxxxxxx and later
- HyPanel Lite:
- HyPanel Plus:
- HyPanel KeyPlus:
- HyPanel Lux:
- HyPanel Pro: 71.1.xxxxx and later
- HyPanel Ultra:
- HyPanel Supreme:

Wiring

- **1-Gang Switch Module**



- 2-Gang Switch Module



Terminal	Wiring Instructions	Remark
L, N	Connect to 100-250VAC or 24VDC power supply	
L1, L2	Connect to load devices.	**1-gang switch module**: 16A, 250VAC or 16A, 24VDC. **2-gang switch module**: 10A, 250VAC or 10A, 24VDC per gang.
S1, S2	Connect to external switch for control	

TIP:

For the detailed instructions on wiring and installation, please see their installation guide.

Physical Button

Function	Operation	Remark
Enter Pairing Mode	Press and hold for 5 seconds	
Reboot the Device	Press and hold for 10 seconds	
Turn on/off Relay	1. Press once: Relay 1 ON 2. Press again: Relay 1 OFF 3. Press a third time: Relay 2 ON (2-gang switch module) 4. Press a fourth time: Relay 2 OFF (2-gang switch module)	The device cannot be in switch type selection mode

Indicator

Status	Description	Remark
Red light flashes slowly	Communication error with gateways	
Blue light flashes slowly (once per second)	First-time powered on/ Device not paired	
Blue light flashes quickly	Device in pairing mode	
Solid Blue light	Device successfully paired	
Solid Green light	In Push mode	In switch type selection mode
Solid Red light	In Rocker-State Sync mode	
Solid Purple light	In Rocker-State Toggle mode	

Paring with Devices

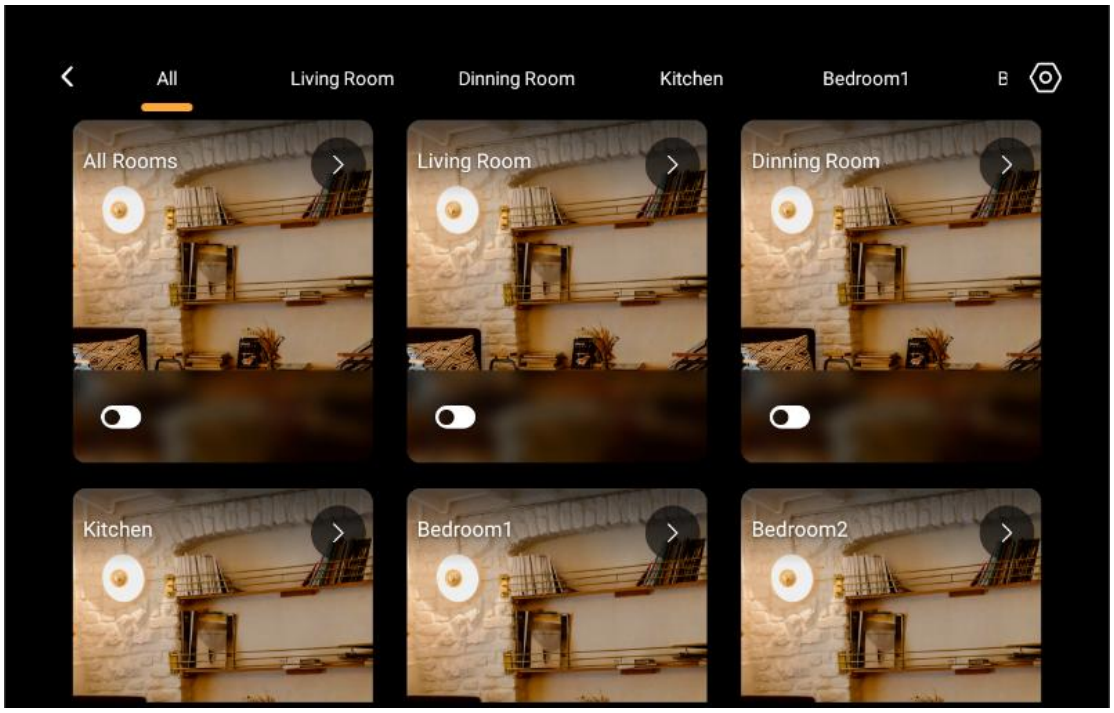
- **Via HyPanel devices**

1. Press and hold the switch module's button for 5 seconds to enter

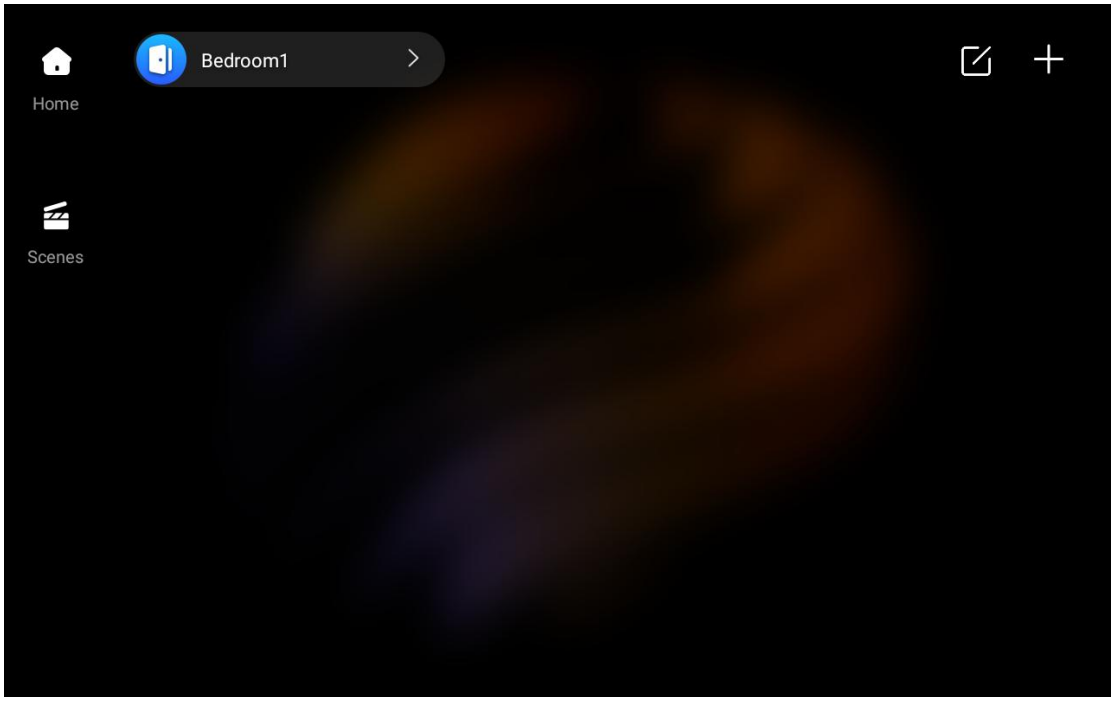
pairing mode.

2. Tap in the upper left.

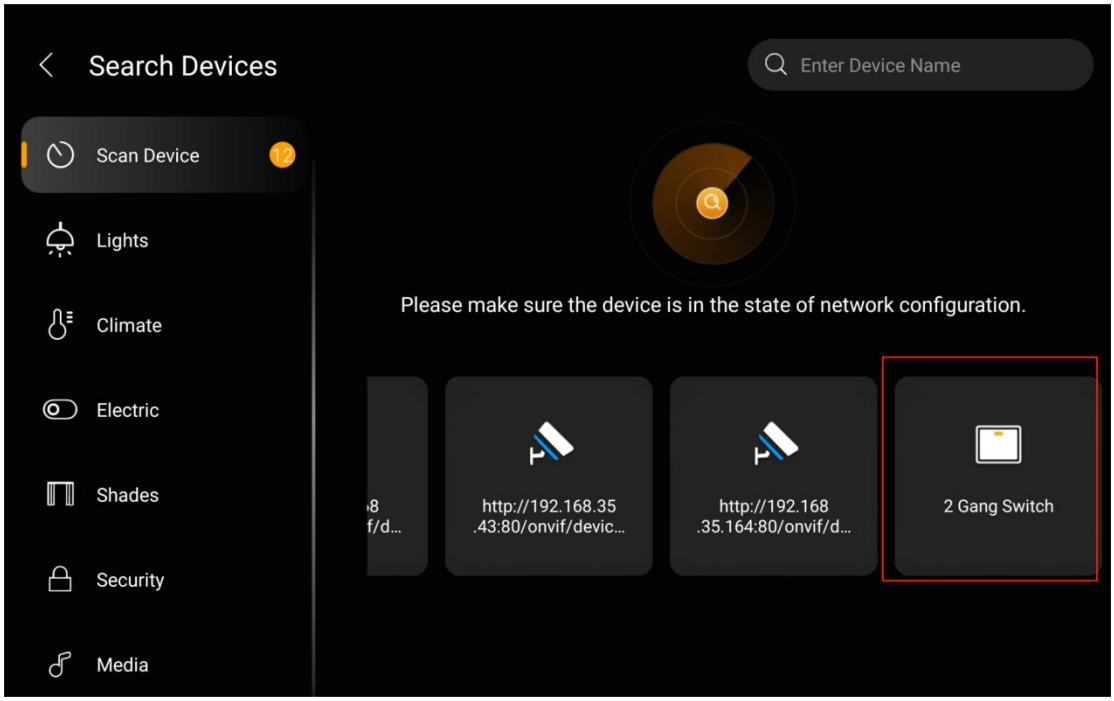
3. Choose a room to add the device.



4. Tap + in the upper right.

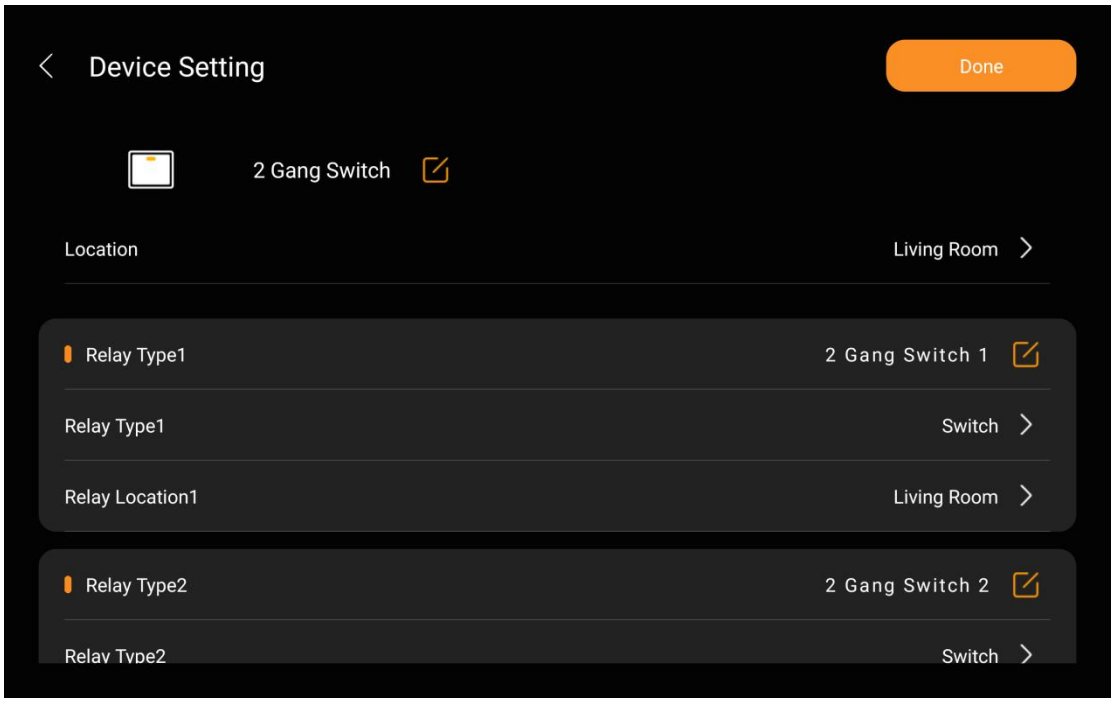


5. Wait for the device to be detected.



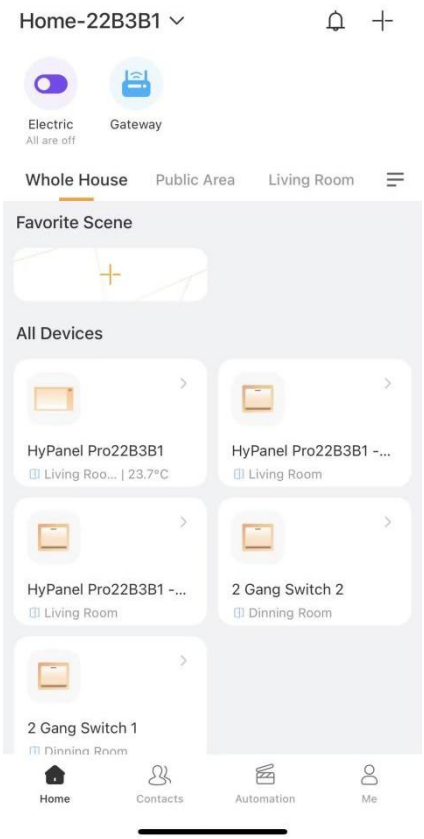
6. Tap on the device, change the settings if needed, and then tap

Done.

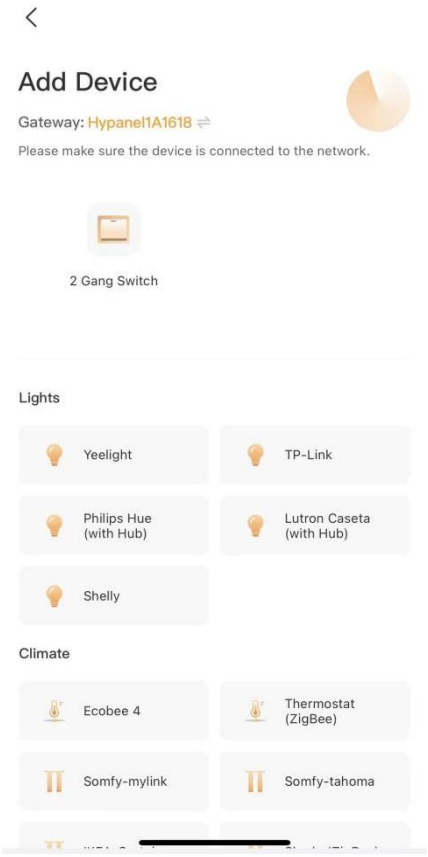


- Via BelaHome app

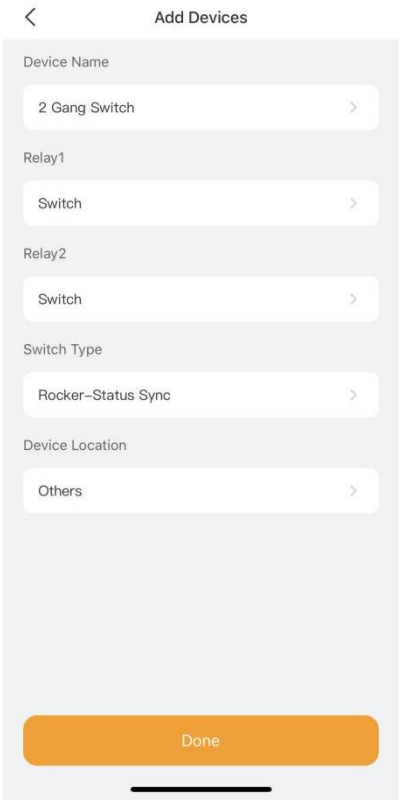
1. Press and hold the switch module's button for 5 seconds to enter pairing mode.
2. On the Home screen, tap Add button in the upper right.



3. Wait for the device to be detected.



4. Tap on the device, change the settings if needed, and then tap **Done**.



Set Relay Types

The switch module supports various relay types, including switch, light, shade, heating, cooling, fan, plug, and TV.

- **On HyPanel devices**

Find the switch module, tap it, and select **Settings icon > Device Type**.

- **Via BelaHome app**

Find the switch module on the Home screen, and tap its > ••• > **Relay Setting**.

Change Switch Types

When the relay type is set to "Switch", you can choose between Push, Rocker-State Sync, or Rocker-State Toggle.

- **Rocker-State Sync:** Stays in the "on" position when activated until manually turned off.
- **Rocker-State Toggle:** Activates only while pressed; returns to neutral when released (e.g., door openers).
- **Push:** Always in a neutral position; toggles the connected device on/off with each press.

- **Via Belahome**
  - The switch type can be selected during the adding process.
  - To change it later, find the switch module on the Home screen,

tapping > ••• > **Switch Type.**

- **Using Switch Module's Button (No paring required)**

(1) Press the physical reset button on the back cover 5 times to enter type selection mode.

- Solid Green: Push
- Solid Purple: Rocker - State Toggle
- Solid Red: Rocker - State Sync

(2) Press the reset button again to cycle through the types.

NOTE:

If no action is taken for 5 seconds, the module exits type selection mode, and the indicator returns to solid blue.

Schedule Function

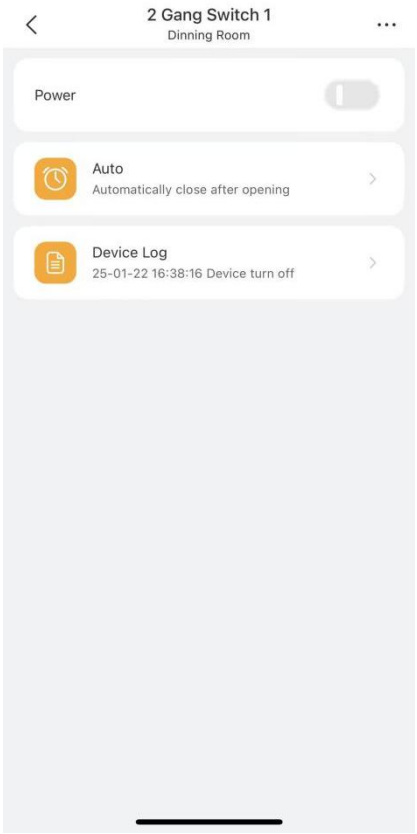
The switch module lets you automatically turn off the connected relay after a specified time. For example, you can set it to turn off the relay 5 seconds after it is activated.

To set a timer, do as the following:

1. Open the BelaHome app and go to the Home screen.

2. Tap the switch module.

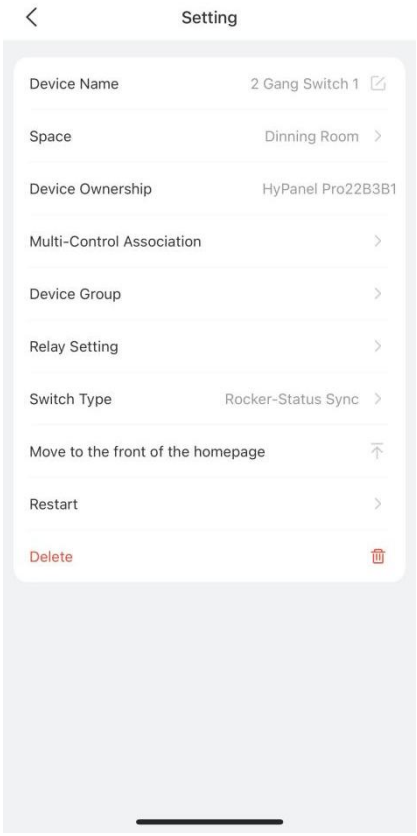
3. Select **Auto** and choose a timer option to schedule the relay operation.



Restart Switch Module

- **Using the BelaHome App**

On the Home screen, find the switch module, and tap > ••• > **Restart**.



- **Performing a Hard Reboot**

If the device becomes unresponsive, perform a hard reboot using one of the following methods:

- Power Cycle: Disconnect the power supply and reconnect it.
- Manual Restart: Press and hold the module's button for 10 seconds or longer to initiate an automatic restart.

FCC Warning

1、changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

2、Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

3、This equipment complies with FCC radiation exposure limits set forth for an uncontrolled
environment. This equipment should be installed and operated with a minimum distance of 20cm
between the radiator & your body. This transmitter must not be co-located or operating in
conjunction with any other antenna or transmitter.