

GoSmart IP-2104SZ ZigBee Wifi Switch Module



GoSmart IP-2104SZ ZigBee Wifi Switch Module User Manual

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GoSmart

GoSmart IP-2104SZ ZigBee Wifi Switch Module



Product Description

- The GoSmart ZigBee/Wifi switch module is a versatile device that allows for remote control of your electrical switches or sockets.
- It features a RESET button, mounting holes for easy installation, wiring diagrams for different modules, and an LED status light for visual feedback.

Installation and Assembly

To install the switch module, follow these steps:

1. Place the module in the installation box under a switch or socket.
2. Secure the module in place using the provided fixing options.
3. Refer to the wiring diagram specific to your module for correct installation.
4. Ensure all cables are stripped to a length of 7 mm for safety and functionality.

Pairing with an Application

To pair the switch module with the EMOS GoSmart app:

1. Open the app and agree to the privacy policy.
2. Register by entering a valid email address and password.
3. Select “Add device” and choose the Smart Switch device category.
4. For ZigBee modules, select the gateway and reset the module before pairing.
5. Follow on-screen instructions to complete pairing.



Controls and Functions

- The switch module features a switch button for ON/OFF control, advanced settings accessible through the app, timers for scheduling, and module settings for customization. Long press the switch button to rename it according to your preference.

GoSmart ZigBee / Wifi switch module



Safety instructions and warnings

-  Before using the device, read the instructions for use.
-  Observe the safety instructions in this manual.

EMOS spol. s r.o. declares that the products H5101, H5102, H5103, H5104, H5105, and H5106 comply with the basic requirements and other relevant provisions of the directives. The equipment can be freely operated in the EU. The Declaration of Conformity can be found on the website <http://www.emos.eu/download>. The equipment can be operated based on general authorisation No. VO-R/10/07.2021-8 as amended.

Package Contents

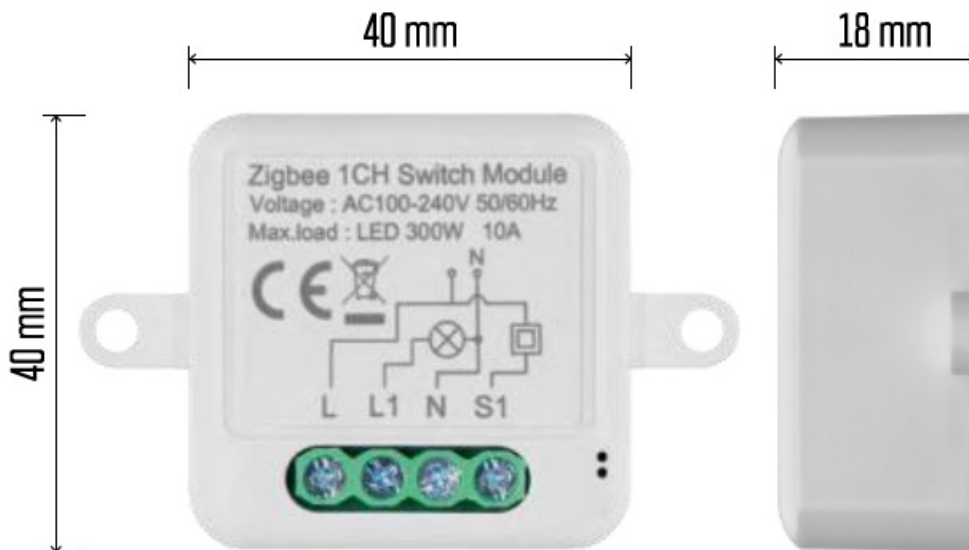
- Switching module Manual



Technical Specifications

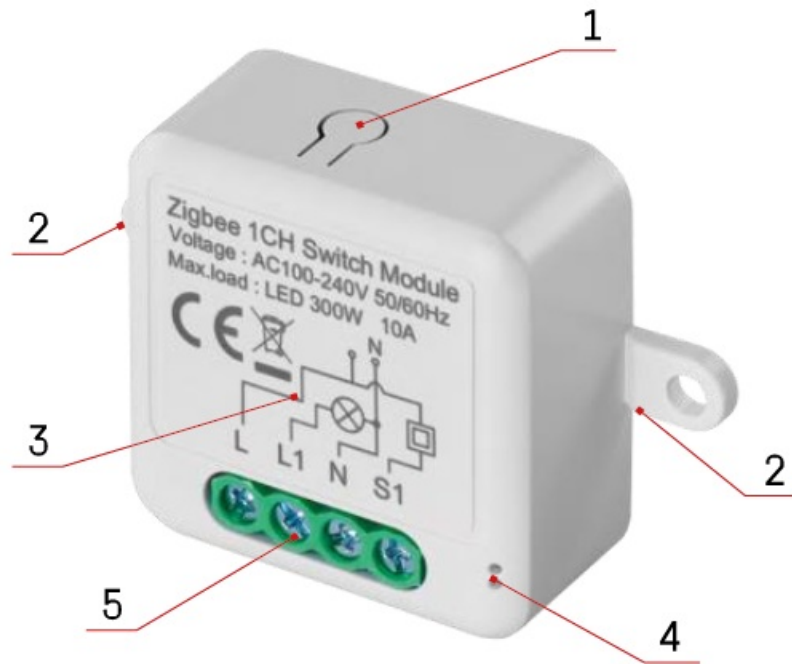
- **Power supply:** AC 100-240 V 50/60 Hz Dimension: 40 × 40 × 18 mm
- **Net weight:** 30 g
- **App:** EMOS GoSmart for Android and iOS
- **Connectivity:** 2.4 GHz Wi-Fi (IEEE802.11b/g/n) /Zigbee 2402 ~ 2 480 MHz
- **Frequency band:** 2.400-2.4835 GHz

Dimensions



Description of the Device

1. RESET button
2. Holes for mounting
3. Wiring diagram of the relevant module
4. LED status light
 - Flashing blue – Device is in pairing mode / has disconnected from the network
 - Illuminated blue – Device is in operating mode
5. Terminal block for wiring connection



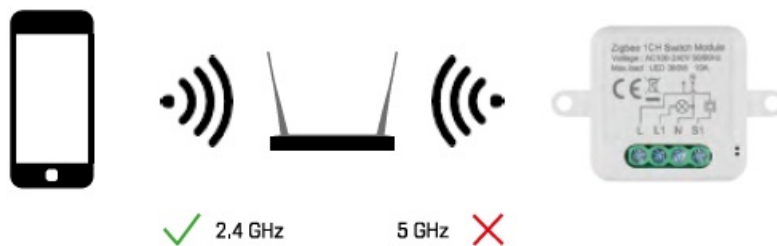
Notice

It is strongly recommended that the Smart Switch Module be installed by a knowledgeable person. Poorly executed installation can pose a risk of electric shock. Carefully follow the following instructions and observe the maximum equipment loads listed below to ensure safe and proper operation.

Maximum load

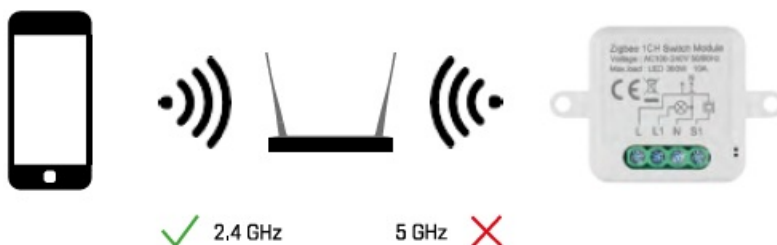
- 1 channel module with LN wires – LED 300 W, 10 A
- 2 channel module with LN wires – LED 2×150 W 2×5 A
- 1 channel module without N wire – 10-100 W
- 2 channel module without N wire – 2× (10-100 W)

Wi-Fi modules



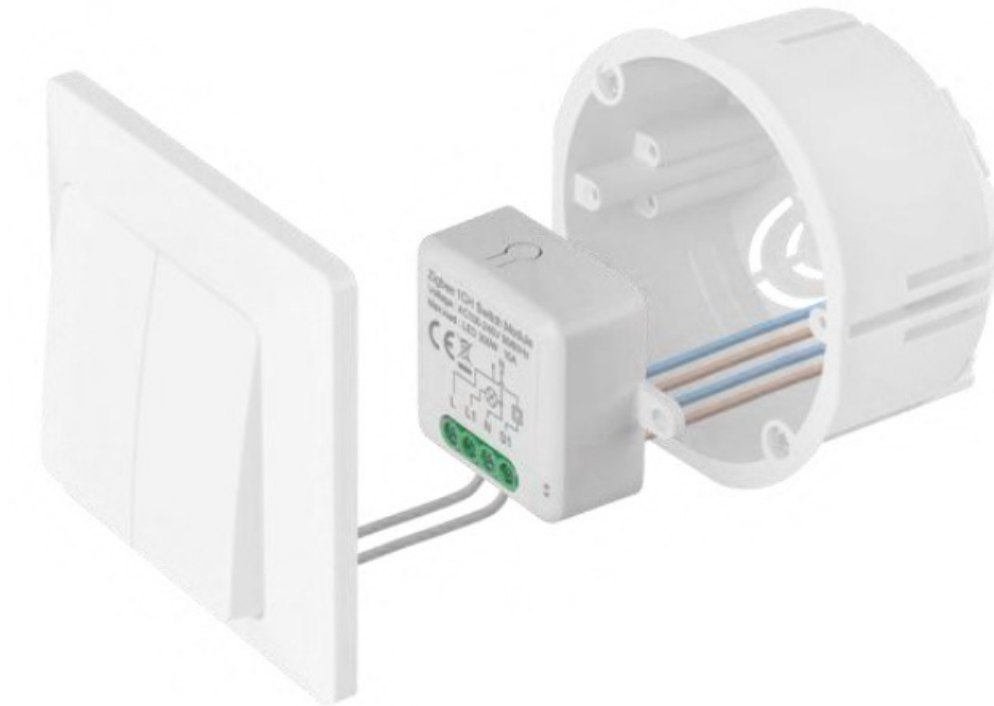
- Make sure that the Wi-Fi network you are connecting the module to is operating at 2.4 GHz, not 5 GHz.

ZigBee modules



- For ZigBee modules to work, they must be connected to a ZigBee gateway. The ZigBee gateway itself must be connected to a 2.4 GHz Wi-Fi network.

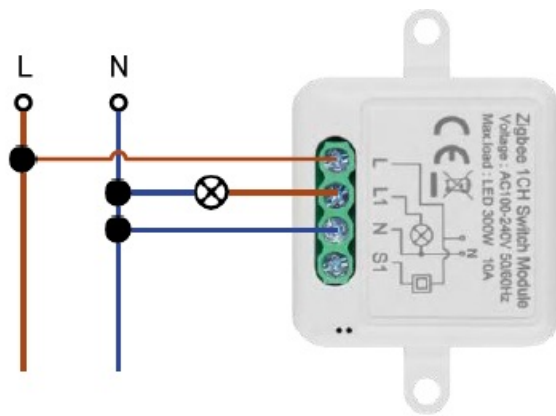
Installation and assembly



- Place the connected module in the installation box under a switch or socket. Thanks to the possibility of fixing, the module can also be installed in various other places (e.g. under plasterboard, in the ceiling...) The wiring diagram can be found below.
- For functional and safety reasons, all cables connected to this module must be stripped at the end to a length of 7 mm.

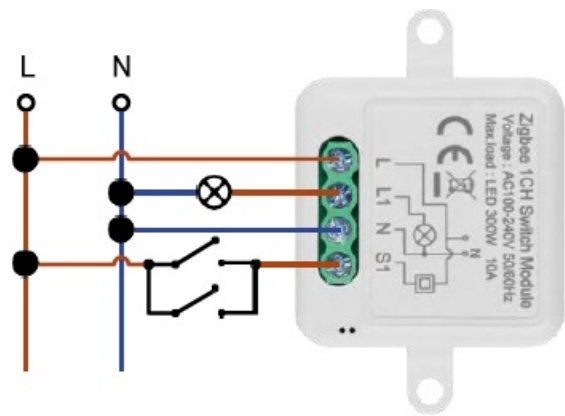


Wiring diagrams for Wi-Fi and ZigBee switch modules with LN wires (H5101, H5102, H5105, H5106)



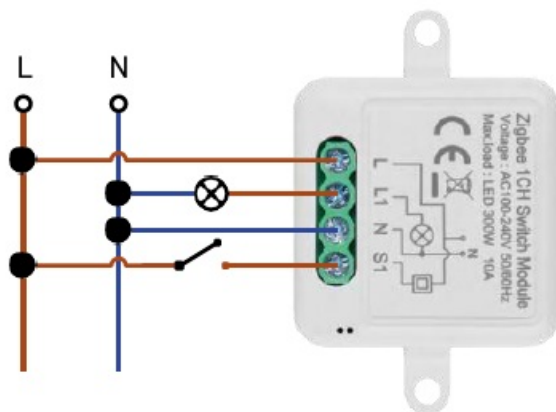
H5101/H5105

1 channel switch - Without



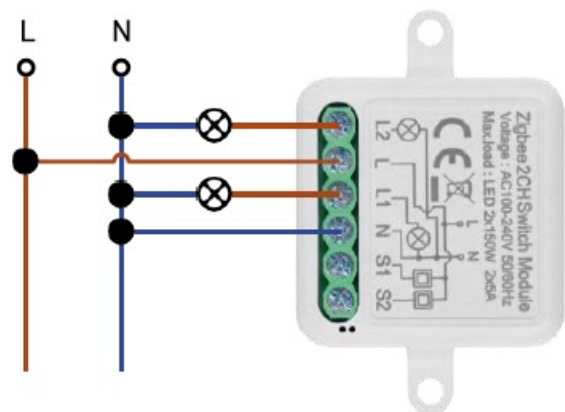
H5101/H5105

switch1 channel switch - With two switches



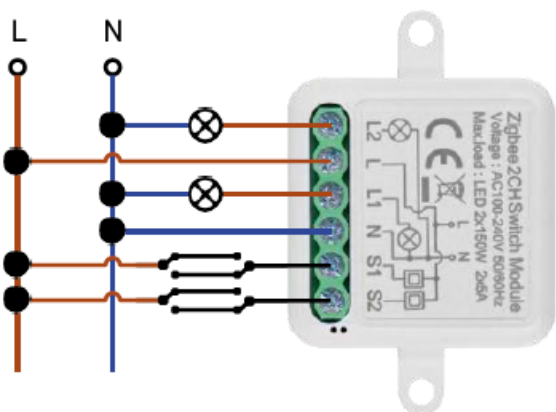
H5101/H5105

1 channel switch - With one



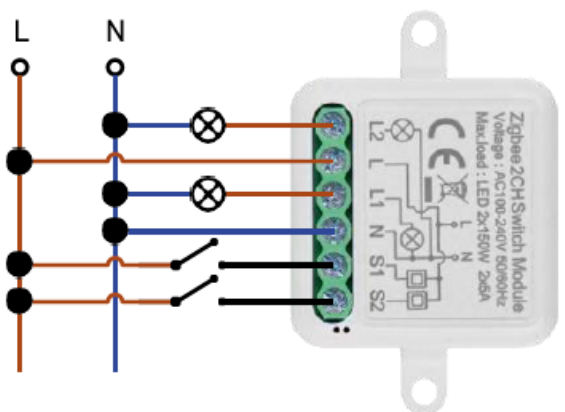
H5102/H5106

switch2 channel switch - Without switch



H5102/H5106

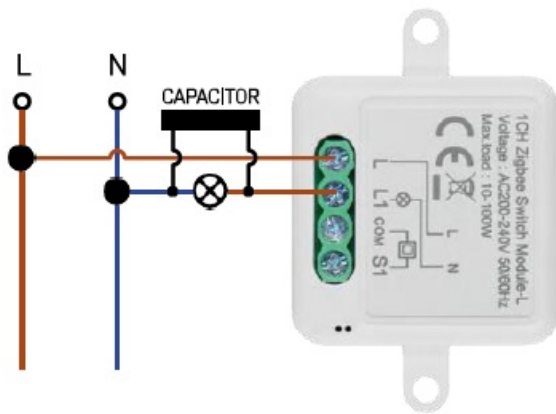
2 channel switch - With two



H5102/H5106

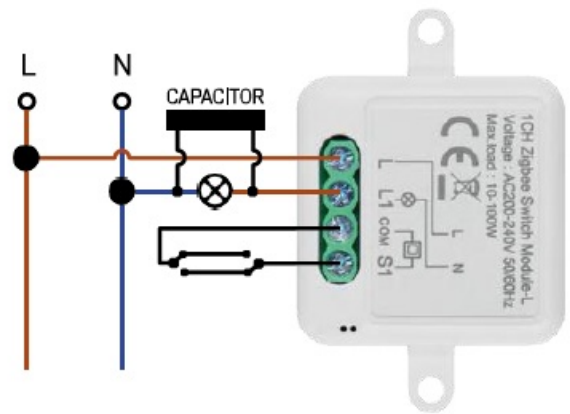
switches2 channel switch - With one switch

Wiring diagrams for Wi-Fi and ZigBee switch modules without N wire (H5103, H5104)



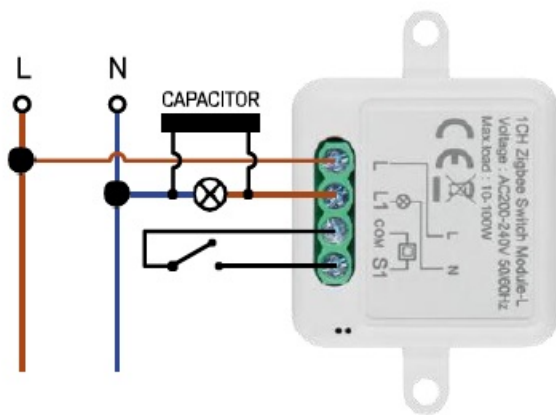
H5103

1 channel switch - Without



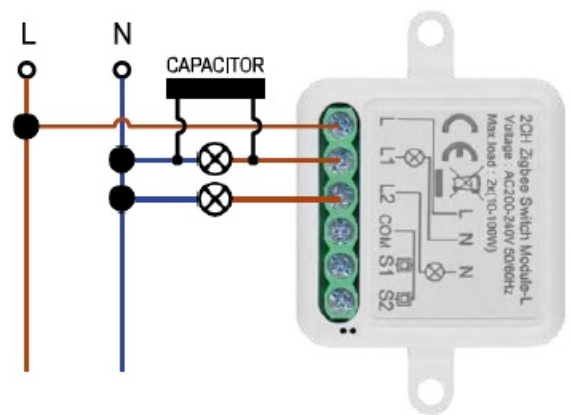
H5103

switch1 channel switch - With two switches



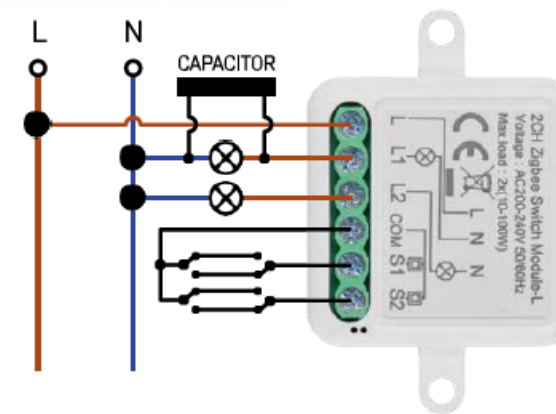
H5103

1 channel switch - With one



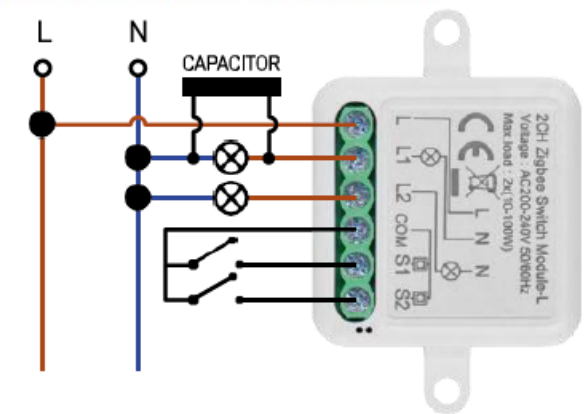
H5104

switch2 channel switch - Without switch



H5104

2 channel switch - With two



H5104

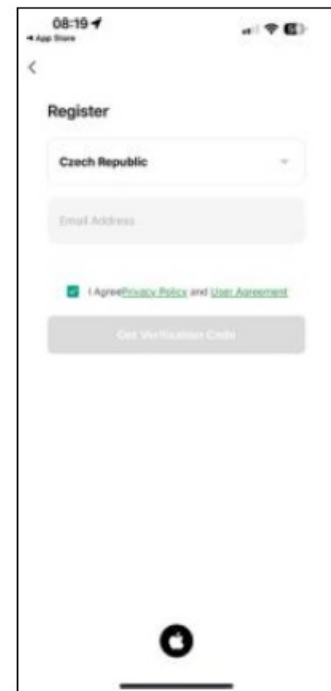
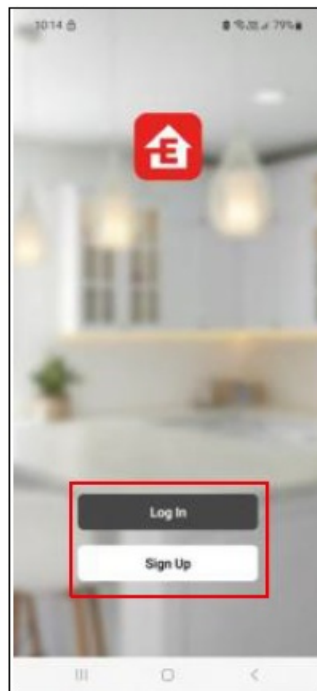
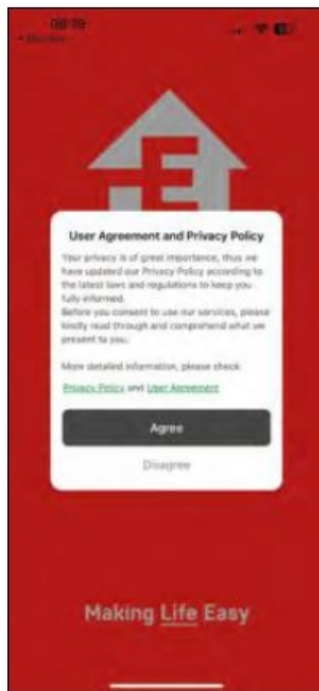
switches2 channel switch - With one switch

Pairing with an application

Installing the EMOS GoSmart app

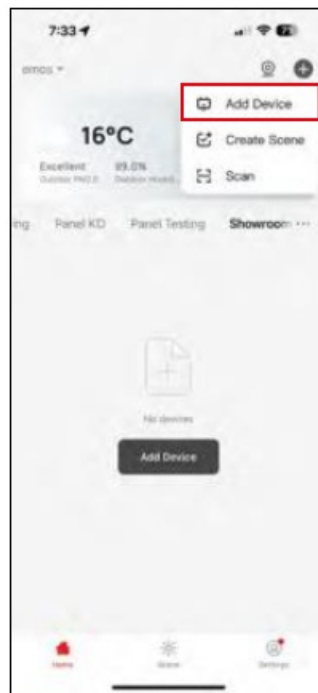


- The app is available for Android and iOS via Google Play and the App Store.
- Please scan the QR code to download the app.



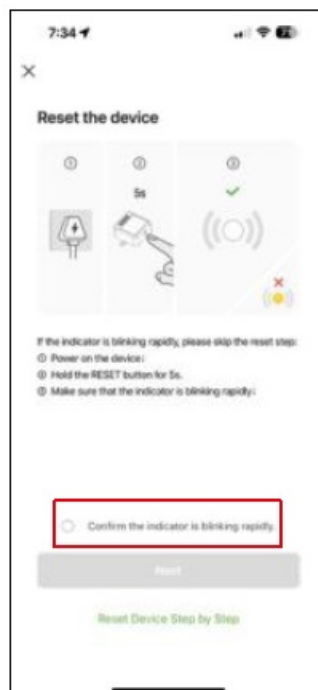
- Open the EMOS GoSmart app and confirm the privacy policy by clicking Agree.
- Select the registration option.
- Enter the name of a valid email address and choose a password. Confirm your consent to the privacy policy. Select register.

Pairing with an app



Select Add device

Select a GoSmart product category and select a Smart Switch (ZigBee) / Smart Switch (Wi-Fi) device.



- [For ZigBee module only] Select the ZigBee gateway you want to pair the module with. This gateway must be added to the application before pairing the module.
- Reset the module by holding down the RESET button for 5 seconds or by flipping the physical switch 6 times (6 times on-off) and checking that the LED is flashing.



- The device will be automatically searched.
- After successful pairing, the app displays a confirmation screen. Use the pencil icon to name the module according to your needs.

Controls and functions



Icons and indicator lights

| | |
|--|---|
| | Advanced settings (described in more detail in the following section) |
| | Timers |
| | Module settings |

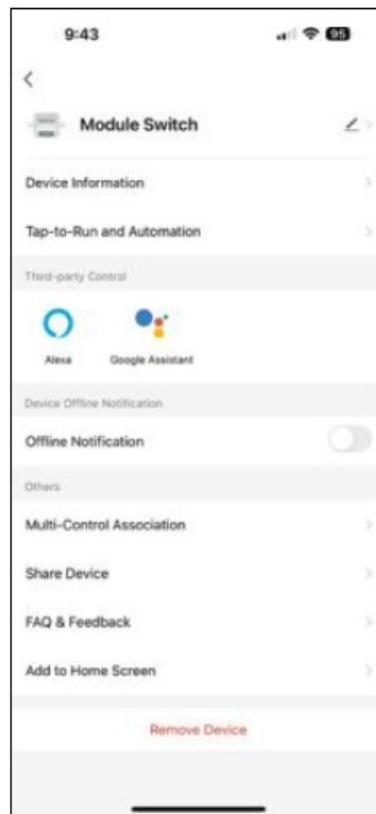
Switch button (ON/OFF)

- Long press to rename the button



Description of extension settings

- Device information – Basic information about the device and its owner
- Tap-to-Run and Automation – View scenes and automations assigned to the device. Creation of scenes is possible directly in the main menu of the application in the section “Scenes”.
- Offline Notification – To avoid constant reminders, a notification will be sent if the device remains offline for more than 30 minutes.
- Multi-Control association – Device grouping
- Share Device – Share device management to another user
- FAQ & Feedback – View the most common questions along with their solutions plus the ability to send a question/suggestion/feedback directly to us
- Add to Home Screen – Add an icon to your phone's home screen. With this step, you don't have to open your device through the app every time, but just click directly on this added icon and it will take you straight to the module



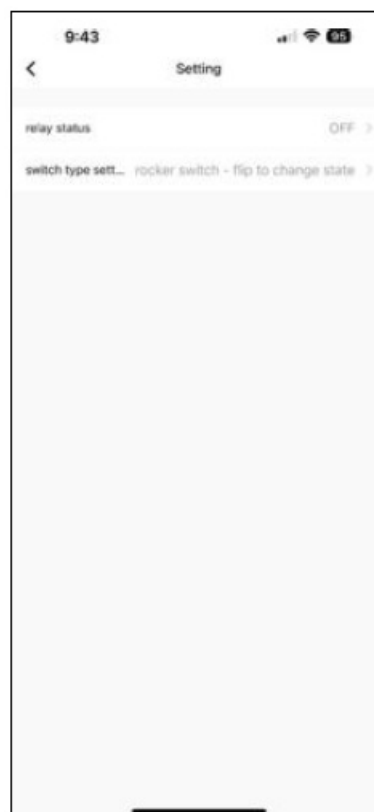
Timer settings

- Countdown – The device turns off/on after a set time (Depending on the current switch-on status)
- Schedule – Scheduling automatic switch-on according to the set time (e.g. Monday from 13:00 to 15:00 – On; 15:00-17:00 – Off...)
- Circulate – Circulate between ON and OFF in a time with ON and OFF length settings (e.g. you have a fish tank where you need the filtration on for 30 minutes every hour -> In the app you set the Start Time to 8:00 and End Time to 20:00 so that the filtration does not disturb you at night. Open time is the time the device will be on, in our case 30 minutes filtration and Close time would be the hour during which the filtration will be off).
- Random – The module turns on at random times for random lengths of time from – to. (Illusion that someone is in the house)
- Inching – Once set, the module turns off after the set time has elapsed.



Module settings

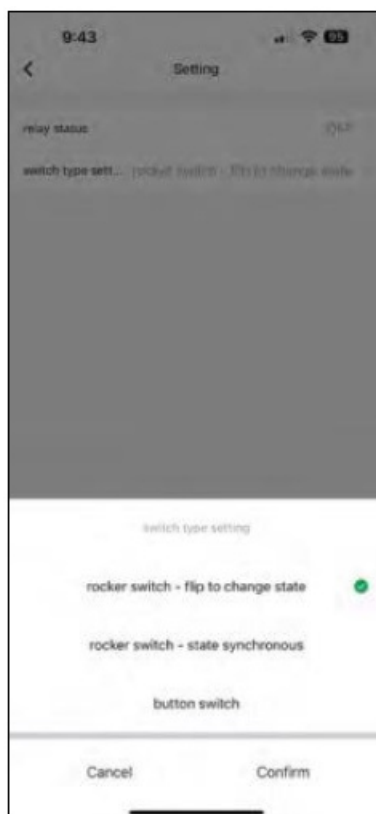
- Relay status – Module behaviour after power failure.
- Switch Type settings – Settings according to your physical switch type.



- Rocker switch – Flip to change status – The on/off position is set according to the current position of the physical switch. So if the module is on and the switch is pressed “Up”, then Up = On. If the module is off, then

Up = Off. Same with the “Down” position.

- Rocker switch – State synchronous – Sets the on/off position according to the actual switching of your physical switch. So if the switch is on, the module will turn on and vice versa.
- Button Switch – A one-button switch that returns to its original position. 1st press = on, 2nd press = off.



Troubleshooting FAQ

I can't get the devices to pair. What can I do?

Make sure you are using a 2.4GHz Wi-Fi network and have a strong enough signal. Allow the app all permissions in the settings. Make sure you are using the latest version of the mobile operating system and the latest version of the app.

What can I control with the module?

Most small household electrical appliances such as lamps, sockets, coffee machines etc. Please note the maximum load indicated directly on the module. We therefore do not recommend installing the module to control larger devices such as electric motors, pumps, boilers...


What should I do if I change my Wi-Fi network or password?

The module needs to be reset and paired with the application again.

What happens if the Wi-Fi network stops working?

If you also have a physical switch connected to the module, the device can still be controlled without any problems. However, you will not be able to control the modules through the app until the Wi-Fi network is up and running. The exception to this is ZigBee modules that can still be controlled remotely with other ZigBee devices, such as the EMOS H5011 Scenic Switch, even after an internet outage.

Documents / Resources

| | |
|--|--|
|  | <p>GoSmart IP-2104SZ ZigBee Wifi Switch Module [pdf] User Manual</p> <p>IP-2104SZ ZigBee Wifi Switch Module, IP-2104SZ, ZigBee Wifi Switch Module, Wifi Switch Module, Switch Module, Module</p> |
|--|--|

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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