

GoSmart H5109 ZigBee Motor Module



# GoSmart H5109 ZigBee Motor Module User Guide

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## GoSmart

### GoSmart H5109 ZigBee Motor Module



### Product Information

### Safety Instructions and Warnings

Before using the device, read the instructions for use and observe the safety instructions in the manual. Ensure compliance with relevant directives and safety standards.

## **Description of the Device**

The device includes a RESET button, mounting holes, a wiring diagram, and an LED status light. It requires a connection to a ZigBee gateway and a 2.4 GHz network for operation.

## **Installation and Assembly**

Place the module in an installation box under a switch or socket. Ensure proper wiring as per the provided diagram and strip cable ends to a length of 7mm for safety.

## **Pairing with an Application**

To pair with the EMOS GoSmart app, follow the steps outlined in the manual. Register the device, select the appropriate ZigBee gateway, and follow the pairing instructions.

## **Resetting the Module**

To reset the module, hold down the RESET button for 5 seconds or toggle the physical switch 6 times on-off. Enter Wi-Fi network details for remote communication with your mobile device.

## **Controls and Functions**

- The device features icons and indicator lights for various functions like open/stop/close, planning calibration, and advanced settings.

## **Wiring Diagrams for ZigBee Motor Modules**

- Refer to the provided wiring diagrams for proper installation and connection of the ZigBee motor modules.

## **Safety instructions and warnings**

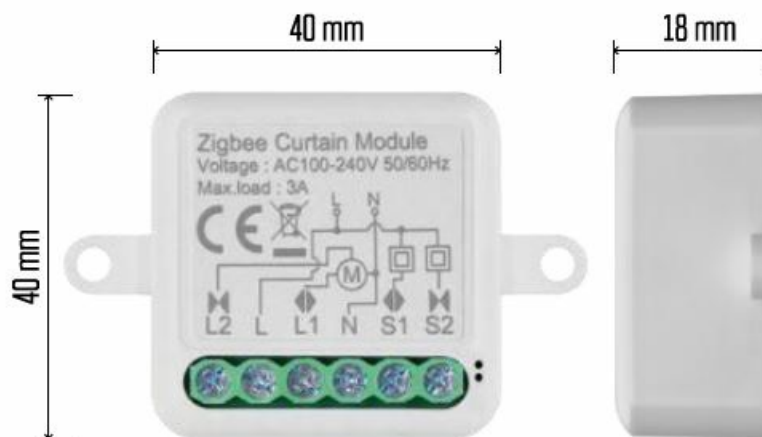
- Before using the device, read the instructions for use.
- Observe the safety instructions in this manual.
- EMOS spol. s r.o. declares that the products H5109, and H5110 conform with the essential requirements and other relevant provisions of the directives. The equipment can be operated freely in 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**



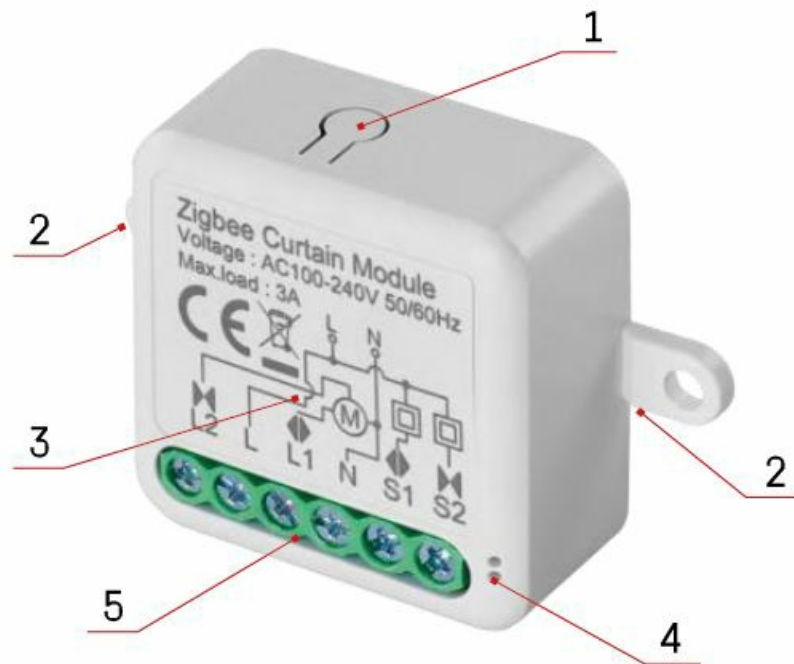
## Technical specifications

- **Power supply:** AC 100-240 V 50/60 Hz
- **Dimension:** 40 × 40 × 18 mm
- **Net weight:** 30 g EMOS GoSmart app for Android and iOS
- **Communication protocol:** ZigBee 3.0 (2402~2480 MHz)



## 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



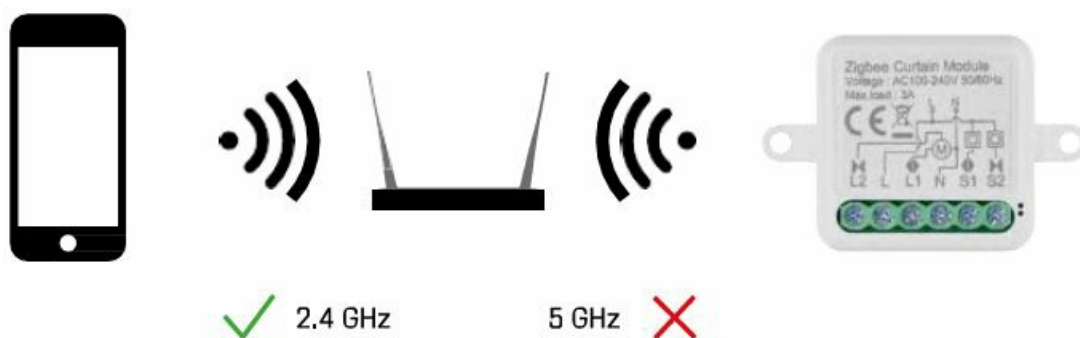
### Notice

It is strongly recommended that the Smart Switch Module be installed by a person with electrical knowledge. 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 conductors – 3 A
2. channel module with LN conductors – 2× 3 A

### 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 network.

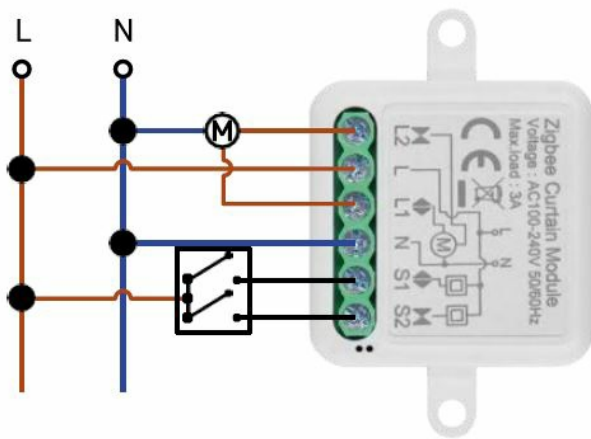
### Installation and assembly



- 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 with a length of 7 mm.

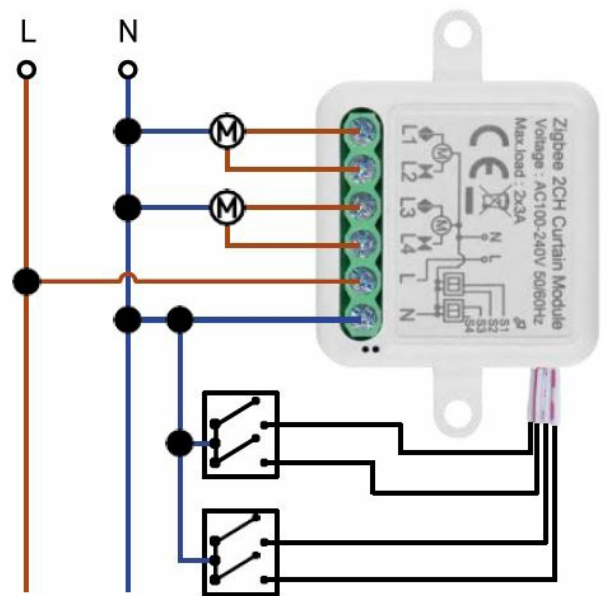


#### Wiring diagrams for ZigBee motor modules



H5109

1 channel



H5110

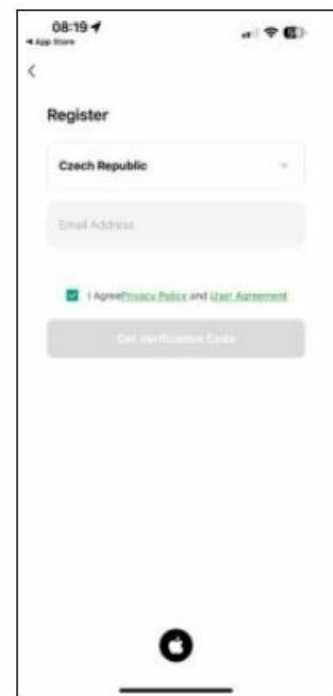
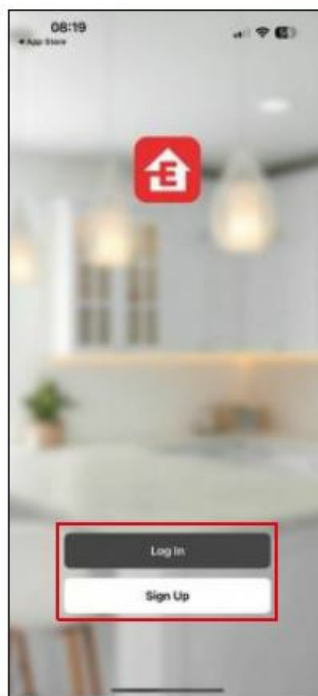
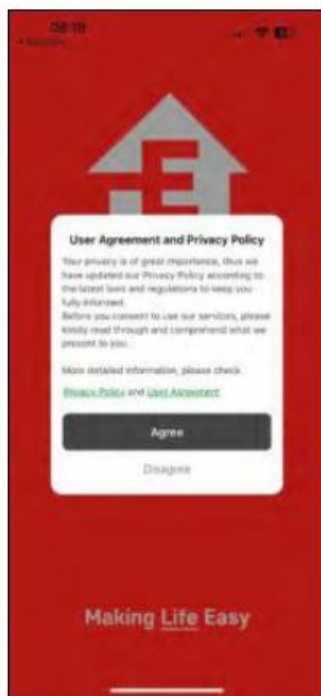
module2 channel module

## 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 and click I 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 the GoSmart product category and select the Smart Dimmer Module (ZigBee) device.
- Select the ZigBee gateway you want to pair the module with. This gateway must be added in 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.
- Enter the name and password of your Wi-Fi network. This information remains encrypted and is used to allow the module to communicate with your mobile device remotely.



- 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

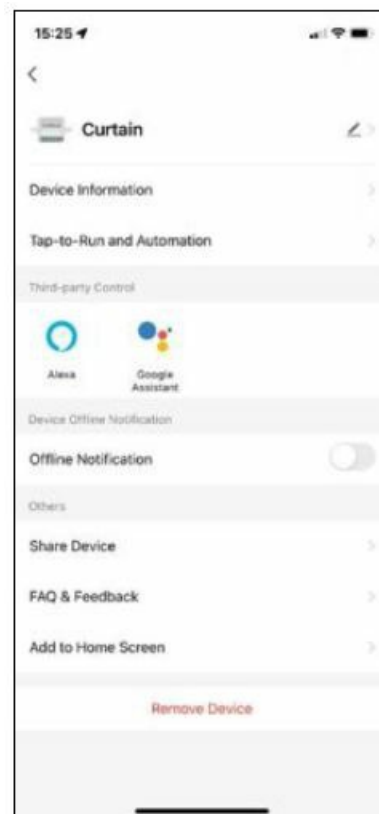
### Icons and indicator lights



1. Advanced settings (described in more detail in the following chapter)
2. Switch button (Open/Stop/Close)
3. Open/close to a certain point (e.g. open only halfway = 50%)
4. Planning
5. Calibration of the module according to your curtains/motor.
  - Accurate calibration – Accurate calibration to the point where the curtain is fully open or closed.
  - Quick Calibration – Set the time until the curtain opens fully
6. Quick opening/closing

## 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.
- 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

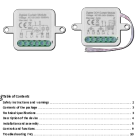


## Troubleshooting FAQ

- I can't get the devices to pair. What can I do?
- Make sure you are using a 2.4 GHz wifi 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 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.

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## Documents / Resources

	<p><a href="#">GoSmart H5109 ZigBee Motor Module</a> [pdf] User Guide H5109 ZigBee Motor Module, H5109, ZigBee Motor Module, Motor Module, Module</p>
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## References

- [User Manual](#)

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

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