



ZAMEL SBW-02 Wi-Fi 2-Channel Gate Controller User Manual

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SBW-02 Wi-Fi 2-Channel Gate Controller
User Manual



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BEFORE STARTING

PRODUCT DESCRIPTION:

The gate controller enables integration with any gate drive and walk gate and enables remote control of a gate by means of the Supla mobile app. The device can be mounted directly in the drive. Owing to universal 12÷24 V AC/DC power supply it can be used in many applications. When the signals from the limit switches are connected to the input of the controller we receive information about opening and closing of the gate/walk gate.

FEATURES:

- Wireless control of the gate drive and walk gate using Wi-Fi technology,
- Universal inputs controlled by the supply potential,
- Two independent NO relay outputs,
- The state of the gate can be monitored by means of checking the state of limit switches,
- The controller can be controlled by the Supla mobile app from any place in the world,
- 12÷24 V AC / DC power supply for the controller.

WARNING!



CAUTION

The device must be connected to power supply in accordance with applicable electrical and safety standards or regulations. See this User Manual for the wiring instructions. Installation, wiring and setting of this product shall only be done by qualified electrical engineers who have read and understood this User Manual and the product features. Do not open or otherwise disassemble the product enclosure; otherwise the product warranty will be void and an electrocution hazard may occur. Prior to installing and wiring this product, make sure that the wiring to be connected is not live. The conditions and methods of transport, storage and operation of this product may affect its performance. Do not install the product if any of its components is missing, the product is damaged or deformed in any way. If any malfunctions are found, consult the manufacturer.

ZAMEL Sp. z o.o. hereby declares that the radio-frequency (RF) device type SBW-02 conforms to Directive 2014/53/EU. See the website below for the full EU Declaration of Conformity: www.zamel.com

NOTICE

When installing this product, verify that this device is not directly exposed to water or operation at high relative humidity. The temperature at the installation site must be between -20°C and +55°C.

The SBW-02 RF receiver is intended for indoor installation.

If installed outdoors, place this device in an external water-tight enclosure and secure against ingress of water, especially at the wiring terminals.

TECHNICAL SPECIFICATIONS

SBW-02	
Rated supply voltage:	12 ÷ 24 V AC / DC
Rated frequency:	50 Hz
Rated power consumption:	0,6 W
Transmission:	Wi-Fi 2.4 GHz b/g/n
Transmission range:	Wi-Fi range
Number of inputs:	2
Number of output channels:	2
Relay contact ratings:	2 x NO 3 A / 250 V AC (normally open voltage-free contact)
Number of terminals:	8 (conductor cross-section up to 2,5 mm ²)
Enclosure installation:	gate drive or installation box Ø 60 mm
Operating temperature range:	– 20 ÷ + 55°C
Enclosure protection rating:	IP20
Dimensions:	47,5 x 47,5 x 20 mm
Weight:	0,04 kg
Maximum output current-carrying capacity:	3 A/250 V AC

GETTING STARTED IN 5 STEPS

LET'S BEGIN



Download, install and launch the supla mobile app



STEP 1

Install the app

5.1. INSTALL THE SUPLA MOBILE APP



<http://onelink.to/t6bzdj>



STEP 2

create an account/log in

5.2. CREATING A SUPLA ACCOUNT IF YOU DO NOT HAVE AN ACCOUNT

Create it by tapping “Create Account” in your app.

IF YOU ALREADY HAVE AN ACCOUNT

Enter the e-mail address which you have used to create the account.

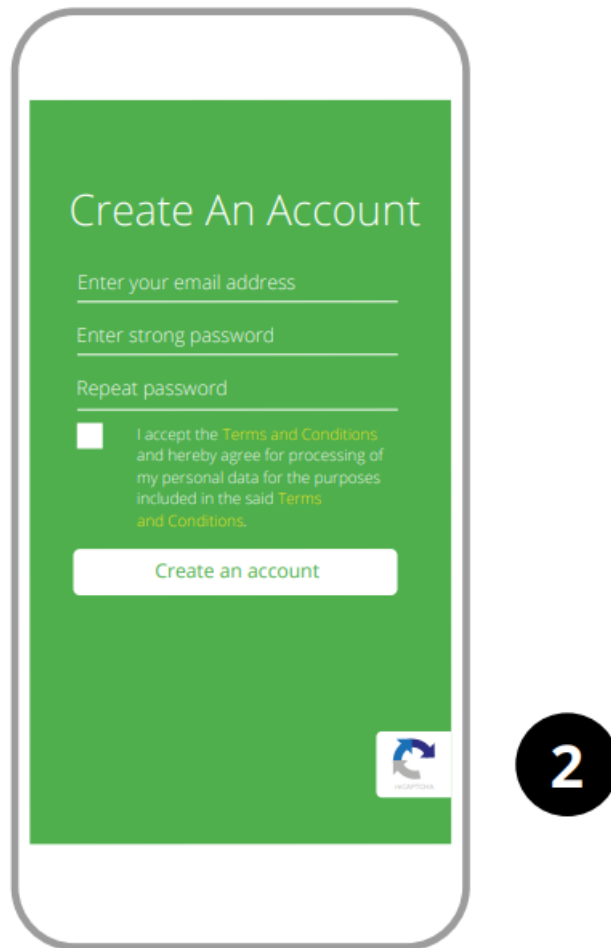
1

CREATE AN ACCOUNT

On this page, enter the following data:

- e-mail address,
- password,
- password confirmation.

Confirm all information by tapping “Create an account”.



The image shows a smartphone screen with a green background. At the top, the text "Create An Account" is displayed in white. Below this, there are three input fields: "Enter your email address", "Enter strong password", and "Repeat password". Each field has a white underline. Below the input fields, there is a checkbox and a line of text: "I accept the Terms and Conditions and hereby agree for processing of my personal data for the purposes included in the said Terms and Conditions." The checkbox is currently unchecked. At the bottom of the form, there is a white button with the text "Create an account" in green. In the bottom right corner of the green area, there is a small logo for "INNOVATIONS" featuring a stylized blue and white circular arrow.

2

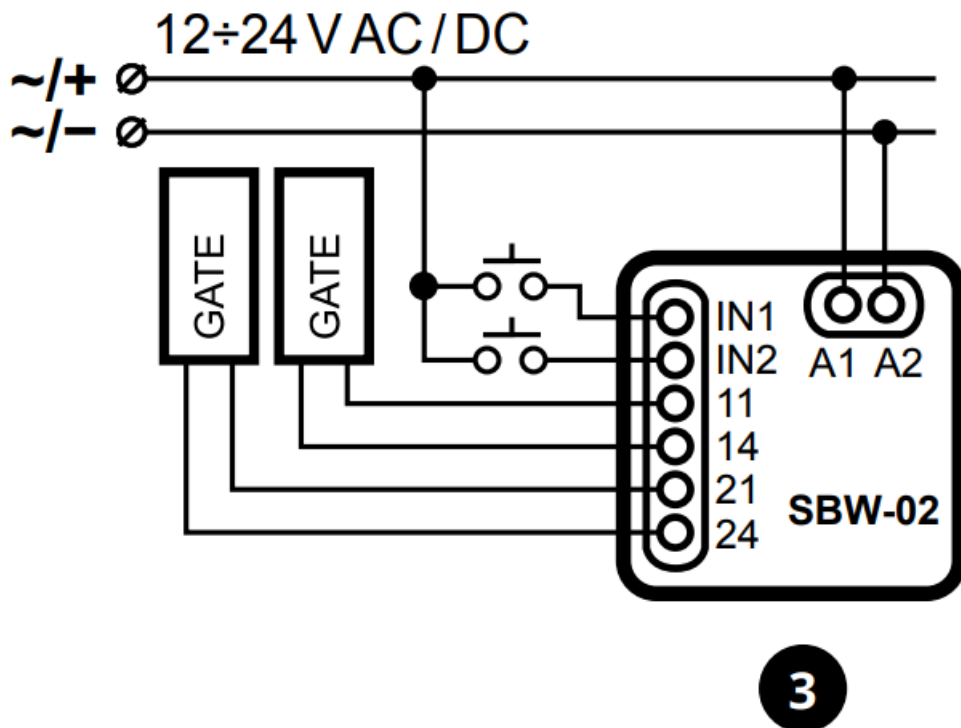


STEP 3

connect the power input wiring

5.3. WIRING CONNECTION DIAGRAM

Wire the SBW-02 to the power supply system as shown in the diagram.



STEP 4

Add the device

5.4. ADDING THE DEVICE AUTOMATICALLY

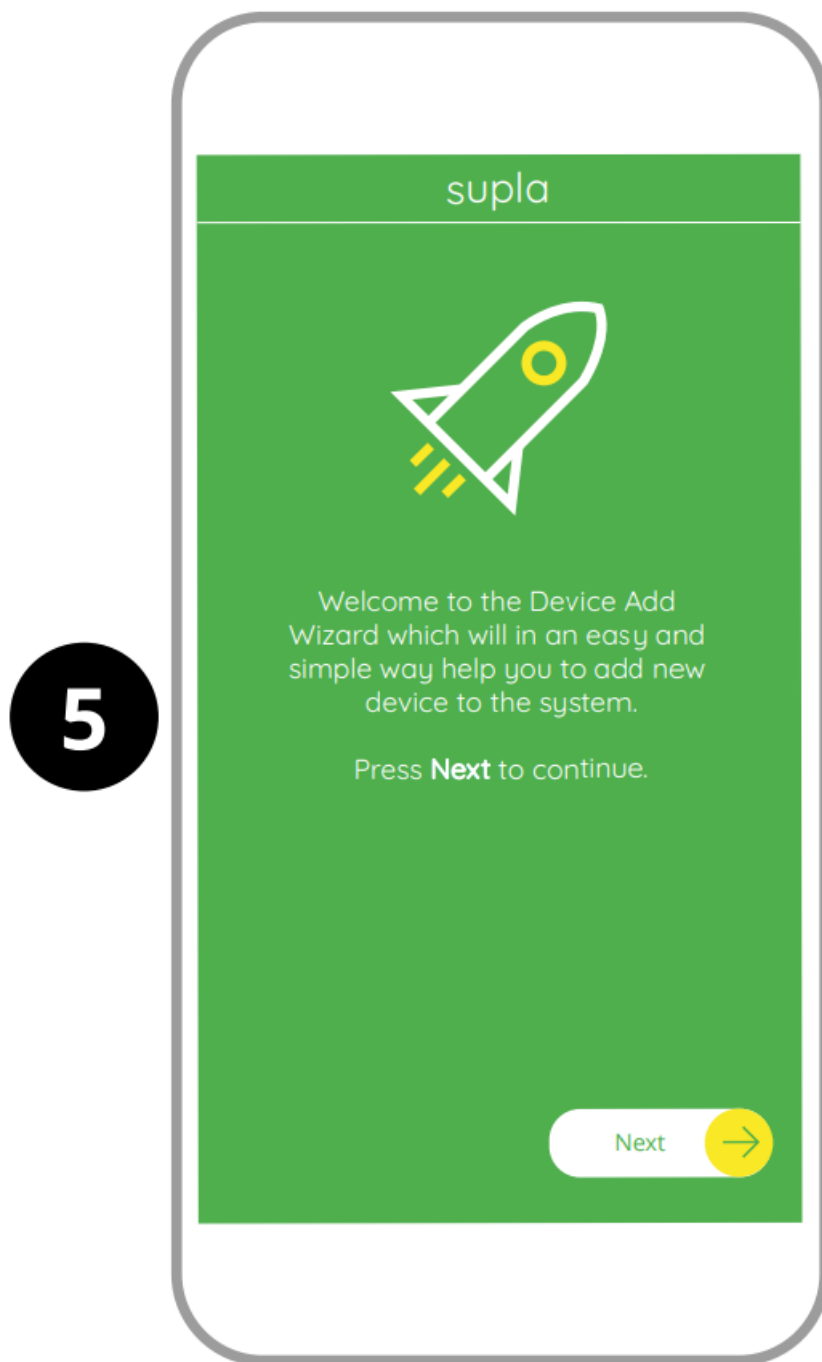
LAUNCH THE APP

Launch the app and tap “Add a device” in the menu.



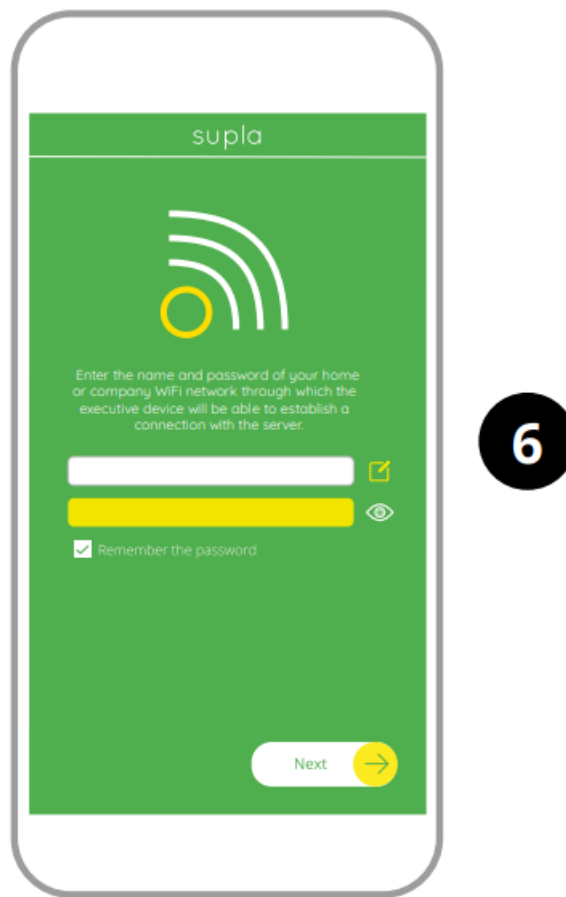
LAUNCHING THE WIZARD

The “Add a device” wizard will be displayed. Tap „Next” to continue.



NETWORK PASSWORD

Choose a WiFi network to enable Internet connectivity for the device. Enter the network password and tap “Next” to continue.

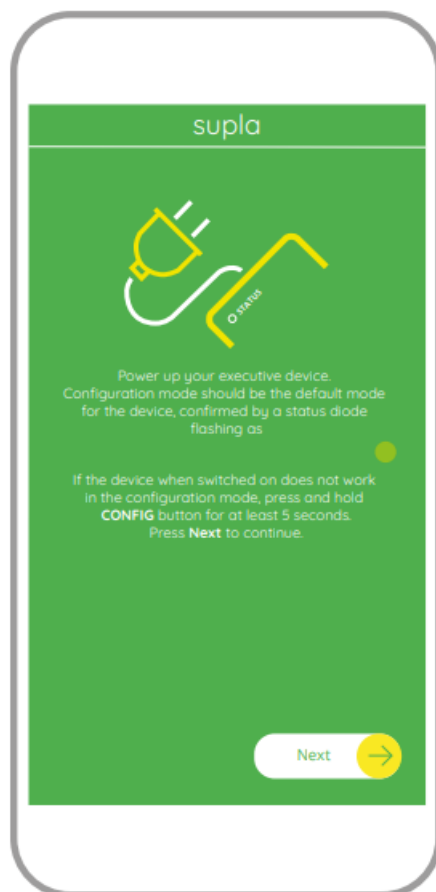


CONNECTING THE DEVICE

Wire the power supply to the device as shown in the diagram. Make sure that the device STATUS LED responds as shown in the animation on screen.

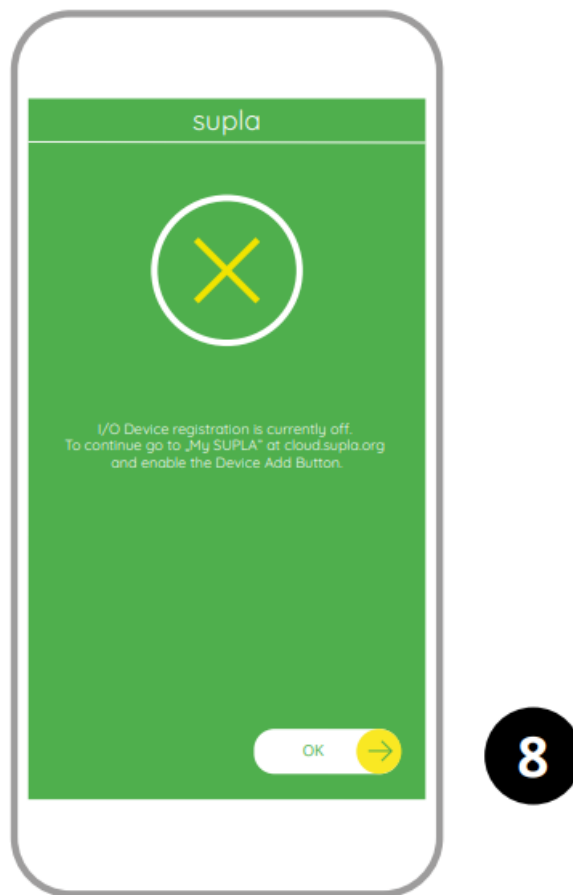
If it does not, switch the device into the configuration mode by holding the CONFIG button on the device. Next, press the START button.

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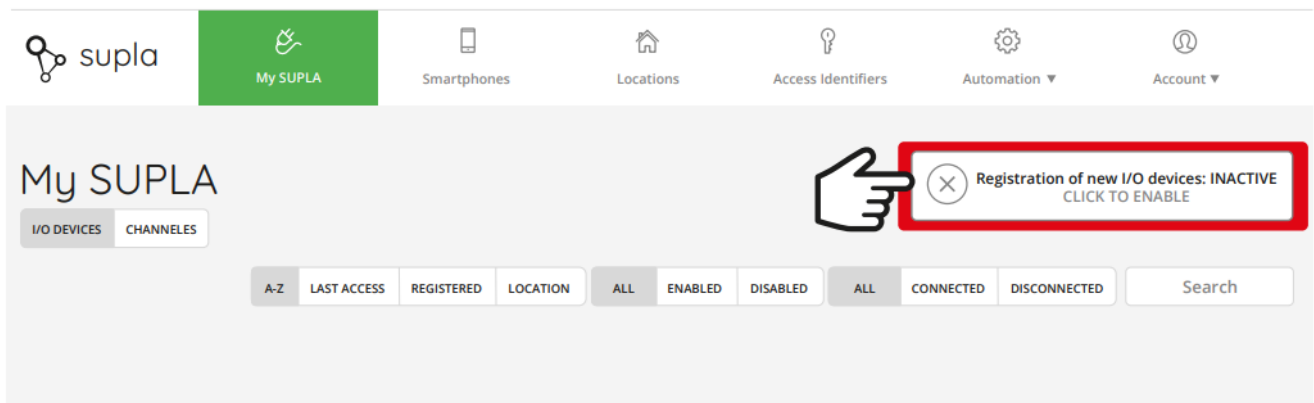


NEW DEVICE REGISTRATION DISABLED

If the "New Device Registration Disabled" message is displayed, open this website: <https://cloud.supla.org/>,



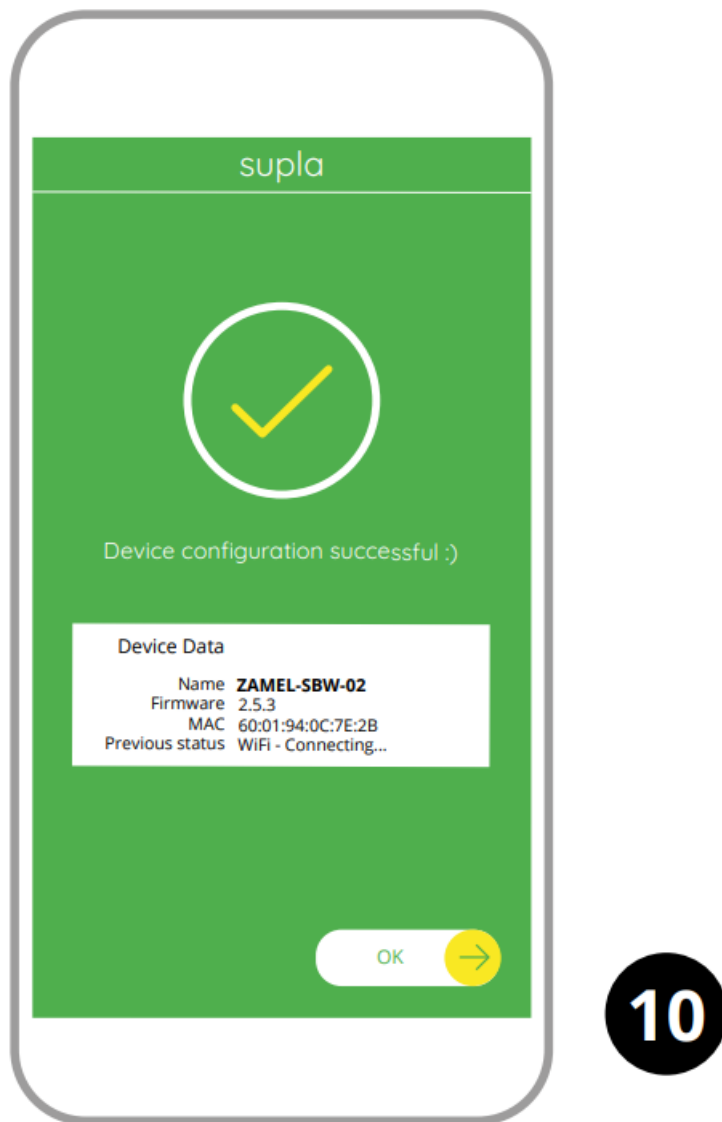
Log into your account, go to the “My SUPLA” tab and Enable Device Registration. Next, repeat the device adding process.



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DEVICE ADDED SUCCESSFULLY

Adding a device is simple and should end without any problems. If the device is added successfully, the following message is displayed: “Device configuration successful”. Tap OK. Now, the supla app should display the device which you have just added on the list. The SBW-02 STATUS LED in the front goes on steadily when the connection with the server is active.



CAUTION!

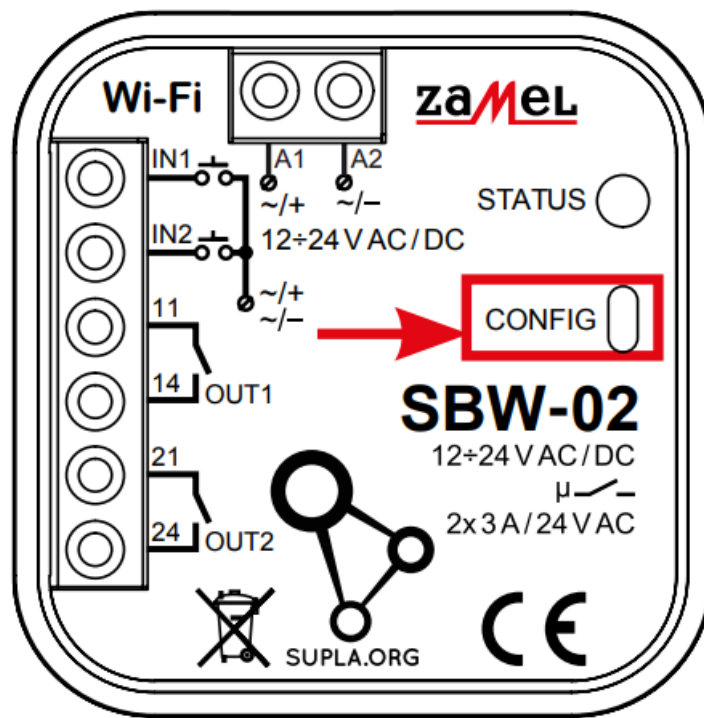
If the connected device is not shown on the list immediately once the configuration is complete, check the device STATUS LED. When added for the first time, the STATUS LED of some devices may flash very fast and irregularly. This happens when the device controller is updating its firmware. A moment after the update, the STATUS LED should go on steadily which means there is an active connection with the server.

ADDING THE DEVICE MANUALLY

Add the device manually when the automatic device adding mode of the supla app fails somehow.

DEVICE CONFIGURATION MODE

To do this, switch the device into the configuration mode by pressing and holding the CONFIG button until the STATUS LED starts to flash.

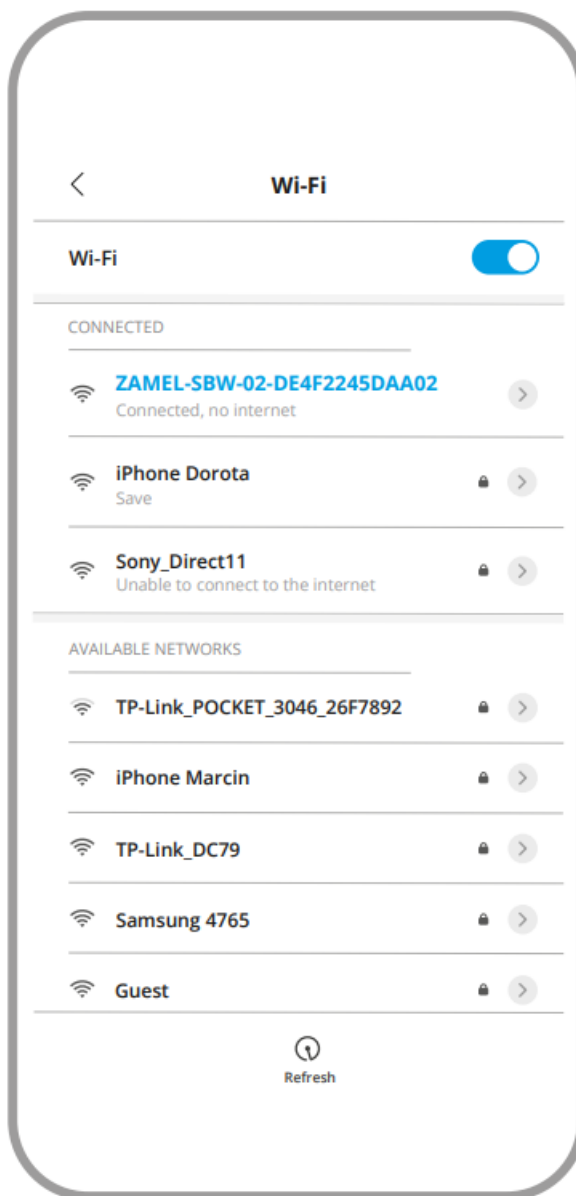


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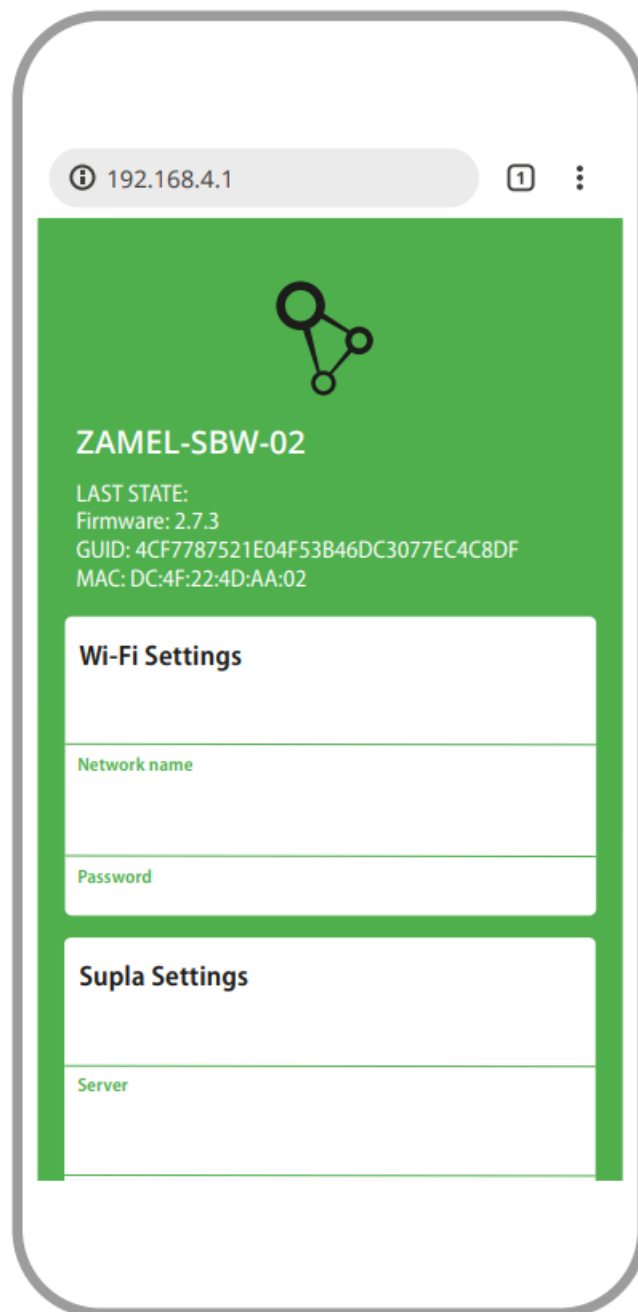
CONFIGURING THE DEVICE

Now, find the device in the available Wi-Fi network list on your mobile device and connect to it. The Wi-Fi network name should begin with "ZAMEL-SBW-02", followed by the device serial number.

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Open a web browser and type the following address in the address bar: 192.168.4.1 and open it. The configuration page will be displayed. Here, you can easily change the network settings.



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When done, tap “SAVE” at the bottom of the screen. The message “Data saved!” should be displayed. To confirm the entered data, briefly press the CONFIG button on the device. If the device connects to the server successfully, the STATUS LED will go on steadily.

Password

Supla Settings

Server

E-mail

Additional Settings

LED ON

Status - connected

NO

Firmware update

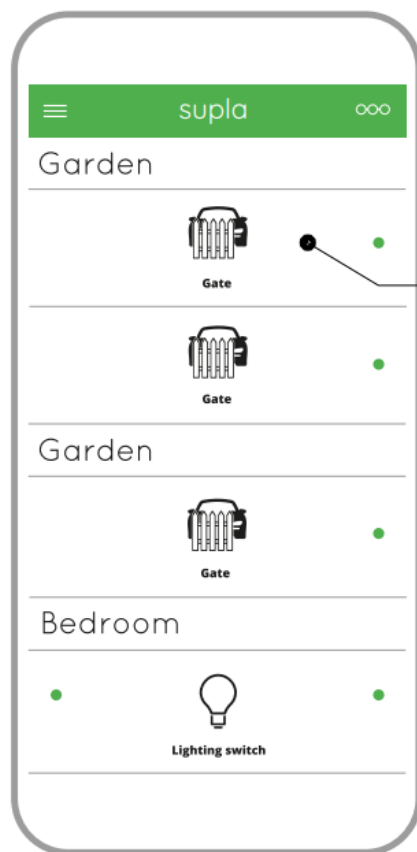
SAVE



STEP 5

Control the gate

5.5. APPLICATIONS FUNCTIONS



Main app screen

Start a wireless control of gate.

To get more functions move the icon to the left.

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SET UP OF SWITCH-ON TIME OF RELAY

After adding the device to control, the gate should be configuration. In this case the switch-on time of the relay should be set.

Please go to <https://cloud.supla.org/>, log in to Your supla account, and go to „My SUPLA“.

Then choose the device from the list.

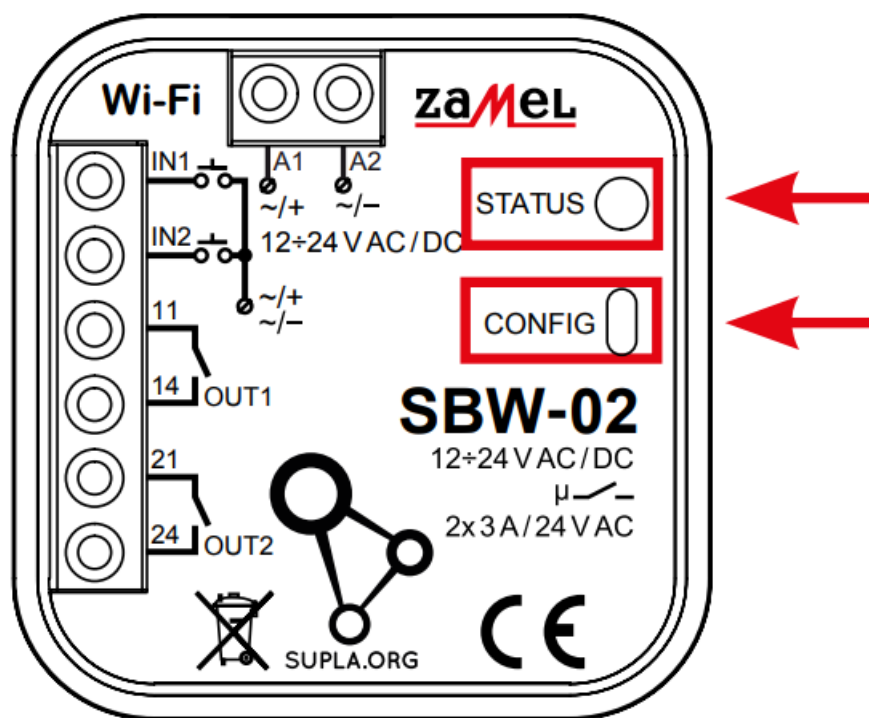
A site with details of device will occur. Please choose „Type of relay“ – here You should choose the switch-on time: 0,5 sec, 1 sec, 2 sec...

Then push the button „save changes“.

RESETTING THE DEVICE

RESETTING THE DEVICE TO DEFAULT SETTINGS

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1. Press and hold CONFIG

The STATUS LED should flash fast.

2. Release the CONFIG button

The STATUS LED should flash fast.

3. Press and hold CONFIG again

The STATUS LED should blink once.

4. Release the button

The device has been reset to defaults and restarts now. The STATUS LED should flash fast.

MORE INFORMATION

Additional information and video material You can find by scanning QR code or by using the following link:



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<https://supla.zamel.com/en/product/sbw-02/>

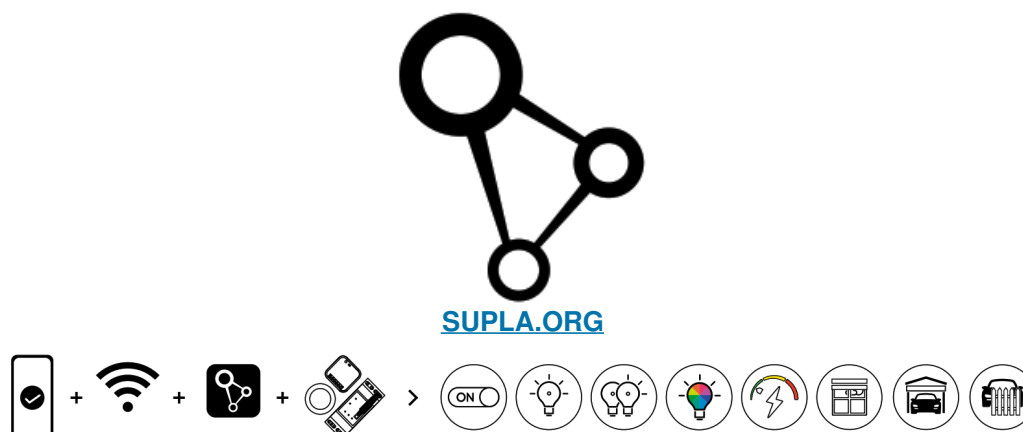
WARRANTY

1. ZAMEL Sp. z o.o. grants a 24-month warranty for the products it sells.
2. The warranty granted by ZAMEL Sp. z o.o. does not cover:
 - (a) defects caused by transport, handling or other factors;
 - (b) defects caused by improper installation or operation of the products manufactured ZAMEL Sp. z o.o.;
 - (c) defects caused by any modifications or alterations made by the BUYER or any third party to the sold products or to the equipment required for the proper operation of the sold products;
 - (d) defects caused by any force majeure event or another fortuitous event beyond any reasonable control of ZAMEL Sp. z o.o.
3. The BUYER shall report all warranty claims in writing at the point of sale or to ZAMEL Sp. z o.o.
4. ZAMEL Sp. z o.o. will examine each warranty claim as regulated by the applicable provisions of the Polish law.
5. If found valid by examination, the warranty claim will be processed by replacement of the defective product, its repair or a refund of the price of purchase at the sole discretion of ZAMEL Sp. z o.o.
6. No rights of the BUYER arising from the statutory or regulatory laws concerning implied warranty for defects of sold goods are limited, prejudiced or excluded by this warranty.

CHECK ALSO OUR OTHER PRODUCT



Wi-fi roller blinds controller
Supla SRW-01











[ZAMEL SBW-02 Wi-Fi 2-Channel Gate Controller](#) [pdf] User Manual

SBW-02 Wi-Fi 2-Channel Gate Controller, SBW-02, Wi-Fi 2-Channel Gate Controller, Gate Controller, Controller

References

-  [SUPLA Cloud](#)
-  [SUPLA](#)
-  [SUPLA](#)
-  [Polski producent sprzętu elektrotechnicznego - ZAMEL Sp. z o. o.](#)
-  [SUPLA Cloud](#)
-  [STEROWNIK BRAMOWY WI-FI 2-KANAŁOWY – Supla](#)