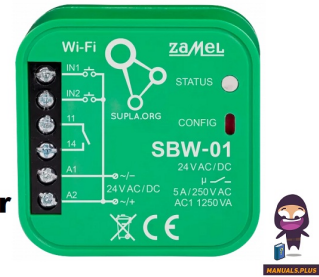


zaMeL
SBW-01 1
Channel Wi-Fi
Gate Controller



Zamel SBW-01 1 Channel Wi-Fi Gate Controller User Manual

[Home](#) » [ZAMEL](#) » Zamel SBW-01 1 Channel Wi-Fi Gate Controller User Manual 

Contents

- 1 Zamel SBW-01 1 Channel Wi-Fi Gate Controller
- 2 Product Usage Instructions
- 3 FAQ
- 4 PRODUCT DESCRIPTION
- 5 TECHNICAL SPECIFICATIONS
- 6 GETTING STARTED IN 5 STEPS
- 7 WIRING CONNECTION DIAGRAM
- 8 ADDING THE DEVICE AUTOMATICALLY
- 9 APPLICATIONS FUNCTIONS
- 10 RESETTNG THE DEVICE
- 11 MORE INFORMATION
- 12 WARRANTY
- 13 Documents / Resources
 - 13.1 References

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Zamel SBW-01 1 Channel Wi-Fi Gate Controller



Product Usage Instructions

- The gate controller enables integration with any gate drive and enables remote control of the gate using the Supla mobile app.
- The device can be mounted directly in the drive. Owing to the 24V power supply, it is fully safe.
- When the signals from the limit switches are connected to the input of the controller, we receive information about the opening and closing of the gate.
- The device must be connected to the power supply by 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 personnel.
- The SBW-01 RF receiver is intended for indoor installation.
- If installed outdoors, place this device in an external water-tight enclosure and secure it against ingress of water, especially at the wiring terminals.
- Wire the SBW-01 to the power supply system as shown in the diagram provided in the User Manual.
- Launch the Supla mobile app and tap “Add a device” in the menu.
- Follow the on-screen instructions provided by the Add a Device wizard to complete the setup process.

FAQ

- **Q: Can the SBW-01 be used for outdoor installations?**
 - **A:** The SBW-01 RF receiver is intended for indoor installation. If installed outdoors, it should be placed in an external water-tight enclosure to protect it from water ingress.
- **Q: What is the rated supply voltage for the SBW-01?**
 - **A:** The SBW-01 operates with a rated supply voltage of 24V.

BEFORE STARTING

PRODUCT DESCRIPTION

- The gate controller enables integration with any gate drive and enables remote control of the gate through the Supla mobile app. The device can be mounted directly in the drive. Owing to the 24 V power supply it is fully safe.
- 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.

FEATURES

- Wireless control of the gate drive using a Wi-Fi network.
- The state of the gate can be monitored by checking the state of limit switches from the Supla app.
- The connected gate can be controlled by the Supla mobile app from any place in the world.
- Uses 24 V AC / DC power supply.

WARNING!

- The device must be connected to a power supply under 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, or 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-01 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-01 RF receiver is intended for indoor installation.
- If installed outdoors, place this device in an external water-tight enclosure and secure it against ingress of water, especially at the wiring terminals.

TECHNICAL SPECIFICATIONS

SBW-01

Rated supply voltage:	24 V ≈
Rated frequency:	for AC 50 / 60 Hz
Rated power consumption:	0,45 W
Transmission:	Wi-Fi 2.4 GHz b/g/n
Transmission range:	Wi-Fi range
Transmit power:	ERP < 20 mW
Number of inputs:	2
Number of output channels:	1
Relay contact ratings:	1 x NO 5 A 24 V ≈ (normally open voltage-free contact)
Number of terminals:	6 (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:	5 A / 250 V ~

GETTING STARTED IN 5 STEPS

LET'S BEGIN

- download, install, and launch the supra mobile app



STEP 1 Install the app



INSTALL THE SUPLA MOBILE APP

- www.supla.org/android
- www.supla.org/ios

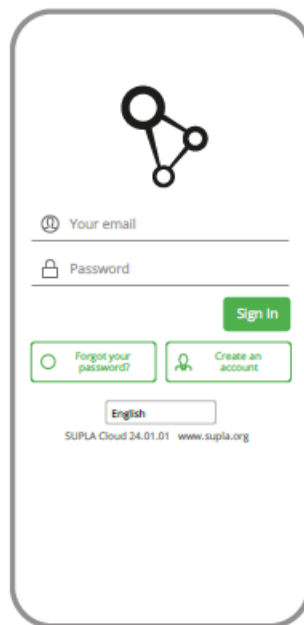


STEP 2 Create an account / log in



CREATING A SUPPLY ACCOUNT

- IF YOU DO NOT HAVE AN ACCOUNT
- Create it by tapping "Create Account" in your app.

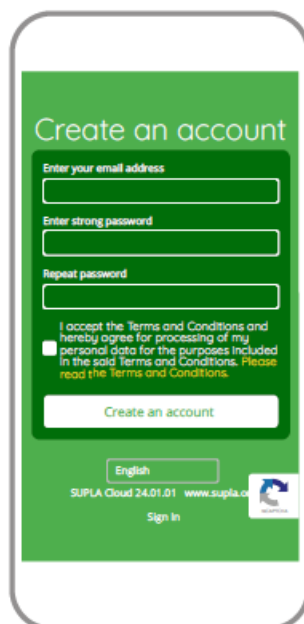


IF YOU ALREADY HAVE AN ACCOUNT

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

CREATE AN ACCOUNT

- On this page, enter the following data:
 - e-mail address,
 - password,
 - password confirmation.
- Confirm all information by tapping “Create an account”.

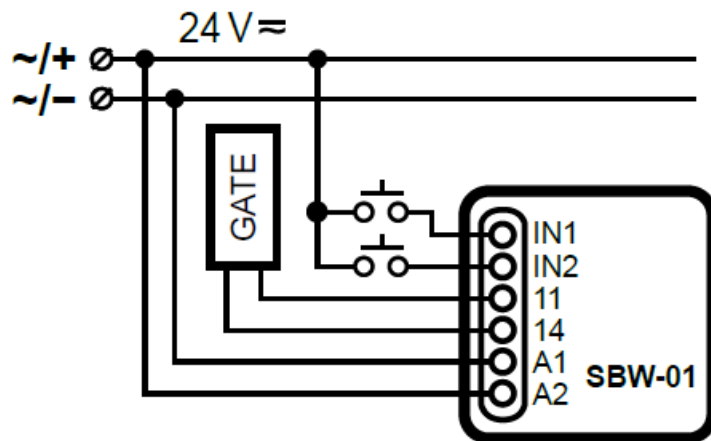


STEP 3 Connect the power input wiring



WIRING CONNECTION DIAGRAM

- Wire the SBW-01 to the power supply system as shown in the diagram.



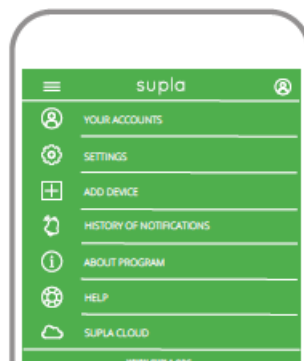
STEP 4 add the device



ADDING THE DEVICE AUTOMATICALLY

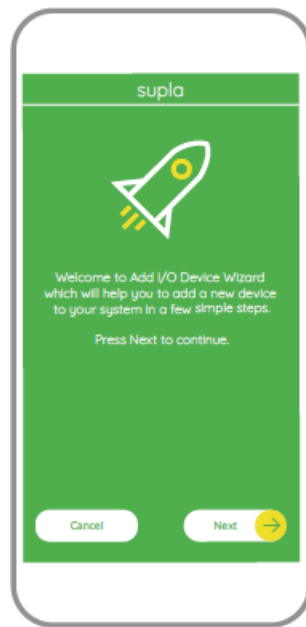
LAUNCH THE APP

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



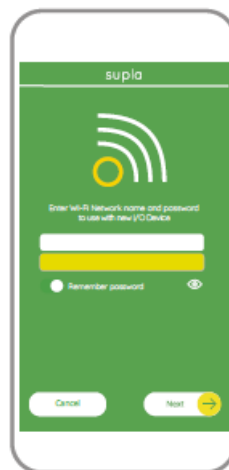
LAUNCHING THE WIZARD

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



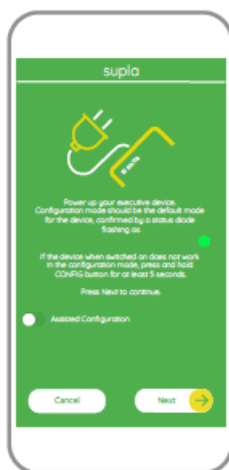
NETWORK PASSWORD

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



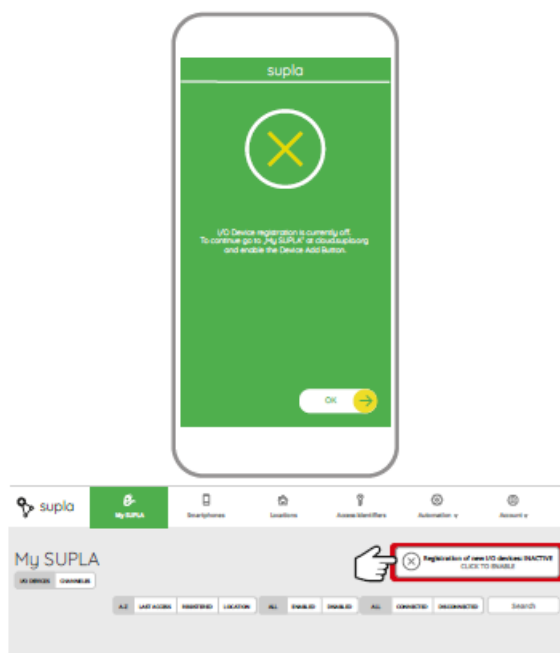
CONNECTING THE DEVICE

- 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.



NEW DEVICE REGISTRATION DISABLED

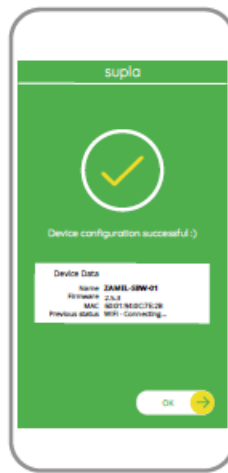
- If the “New Device Registration Disabled” message is displayed, open this website: <https://cloud.supla.org/>,
- Log into your account, go to the “My SUPLA” tab, and Enable Device Registration. Next, repeat the device-adding process.



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 to the list. The SBW-01 STATUS LED in the front goes on steadily when the connection with the server is active.



CAUTION!

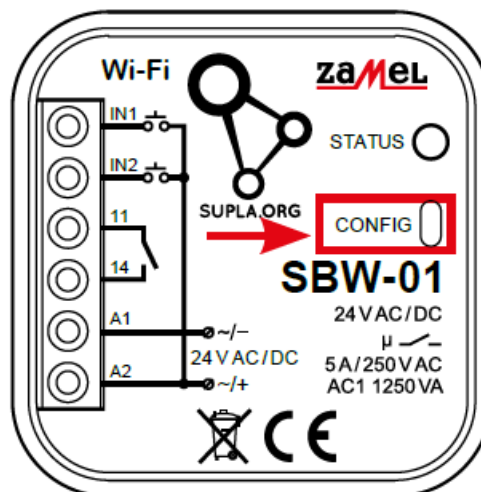
If the connected device is not shown on the list immediately once the configuration is complete, check the device STATUS LED. When added for the first time, the STATUS LED of some devices may flash very fast and irregularly. This happens when the device controller is updating its firmware. A moment after 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 supra app fails somehow.

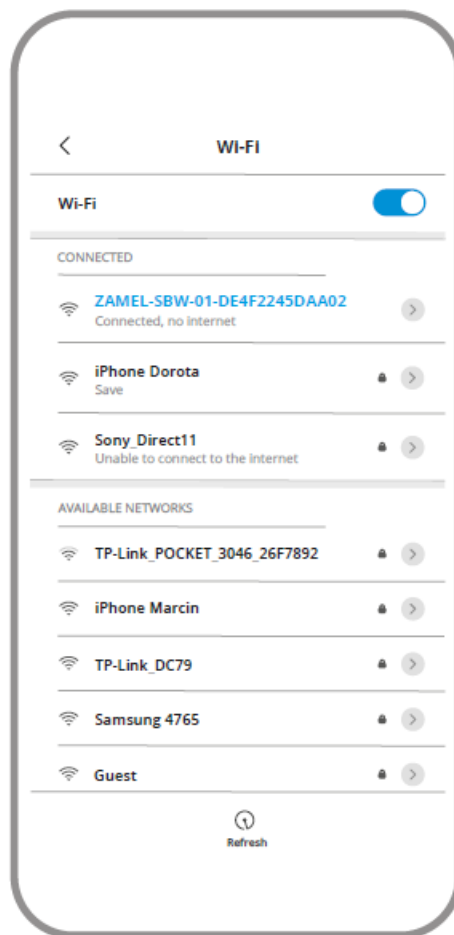
DEVICE CONFIGURATION MODE

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

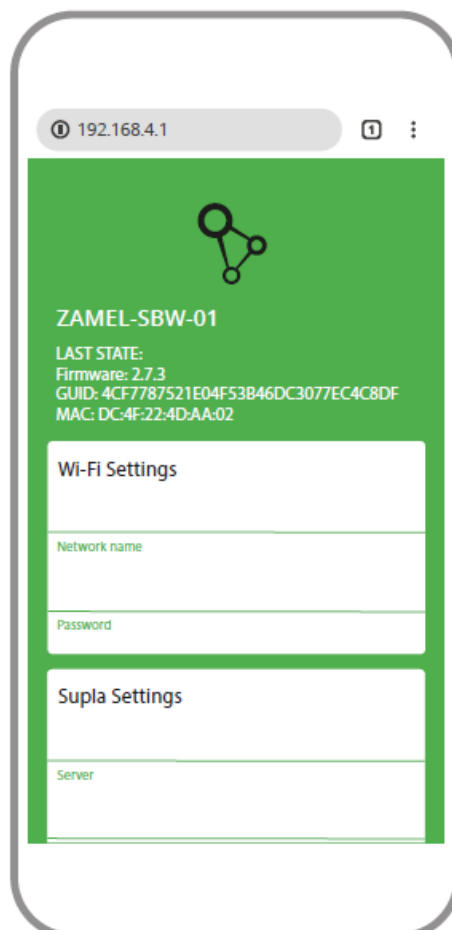


CONFIGURING THE DEVICE

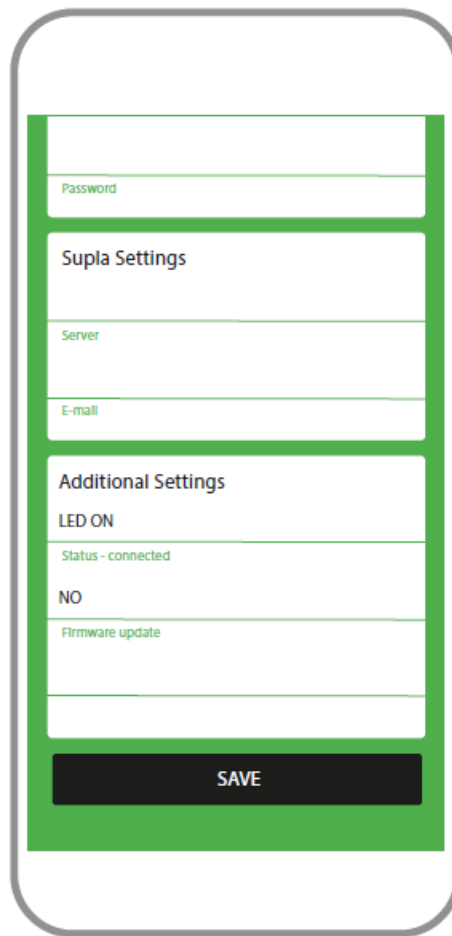
- Now, find the device in the available Wi-Fi network list on your mobile device and connect to it. The Wi-Fi network name should begin with "ZAMEL-SBW-01", followed by the device serial number.



- 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.



- 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.

A mobile application interface for configuring a device. The screen is divided into three main sections: a top section with a 'Password' field, a middle section titled 'Supla Settings' with 'Server' and 'E-mail' fields, and a bottom section titled 'Additional Settings' with 'LED ON', 'Status - connected', 'NO', and 'Firmware update' fields. A large black 'SAVE' button is at the bottom. The entire form is framed by a green border.

Password

Supla Settings

Server

E-mail

Additional Settings

LED ON

Status - connected

NO

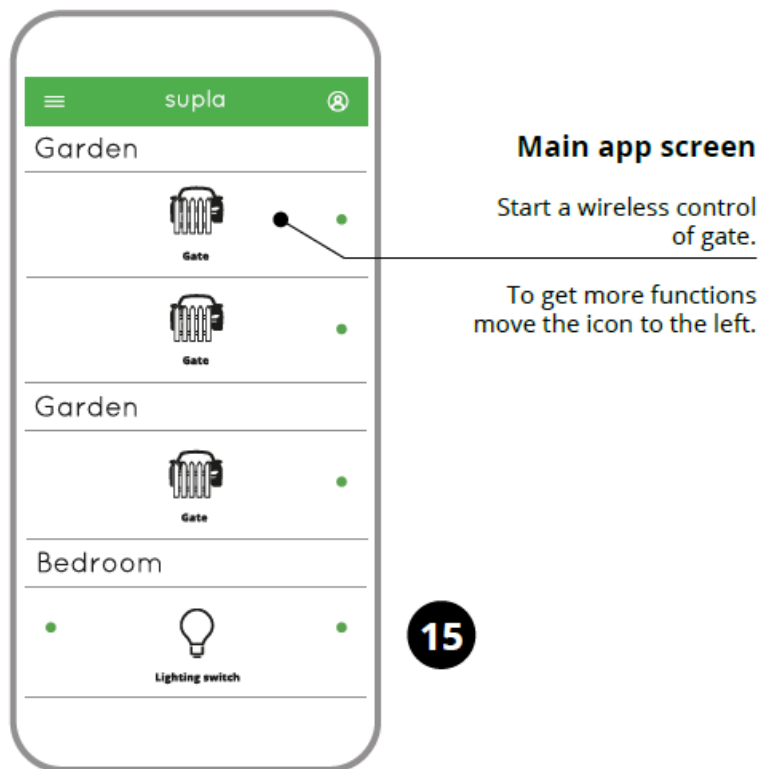
Firmware update

SAVE

STEP 5 Control the gate



APPLICATIONS FUNCTIONS

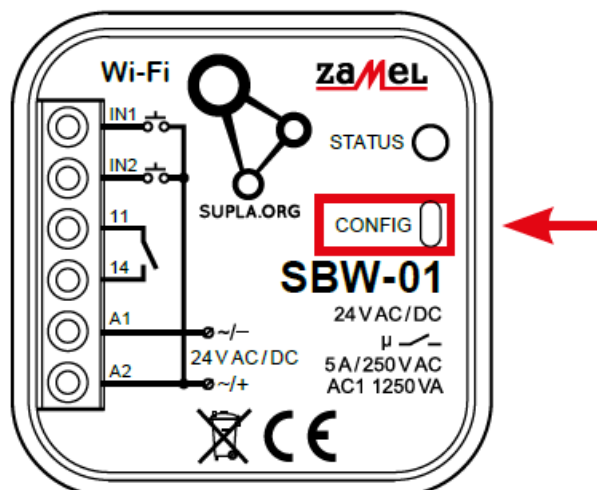


SET UP OF SWITCH-ON TIME OF RELAY

- After adding the device to control, the gate should be configured. In this case, the switch-on time of the relay should be set.
- Please go to <https://cloud.supla.org/>, log in to Your supra account, and go to „My SUPLA“.
- Then choose the device from the list.
- A site with details of the 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



1. Press and hold CONFIG

The STATUS LED should flash fast.

2. Release the CONFIG button

The STATUS LED will keep flashing.

3. Press and hold CONFIG again

The STATUS LED should blink once.

4. Release the button

The device has been reset to default and restarted now. The STATUS LED should flash fast.

MORE INFORMATION

- Additional information and video material can be found by scanning the QR code or by using the following link:

<https://supla.zamel.com/en/product/sbw-01/>



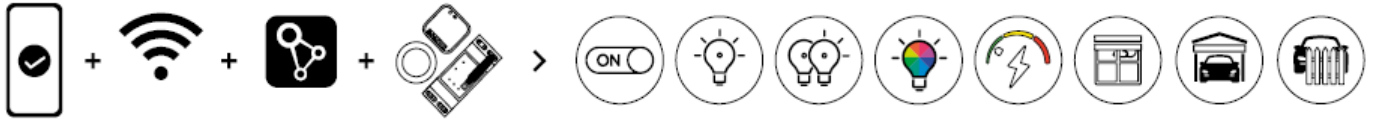
WARRANTY

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 by 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 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 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.

Wi-Fi roller blinds controller

supla SRW-01

- <https://supla.zamel.com/en/product/srw-01/>



Documents / Resources



[Zamel SBW-01 1 Channel Wi-Fi Gate Controller](#) [pdf] User Manual

SBW-01 1 Channel Wi-Fi Gate Controller, SBW-01, 1 Channel Wi-Fi Gate Controller, Wi-Fi Gate Controller, Gate Controller, Controller

References

- [SUPLA Cloud](#)
- [SUPLA - Apps on Google Play](#)
- [SUPLA on the App Store](#)
- [SUPLA Cloud](#)
- [User Manual](#)

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