Shelly RGBW2 Wi-FI RGB Controller for LED Stripsc User Manual

Contents

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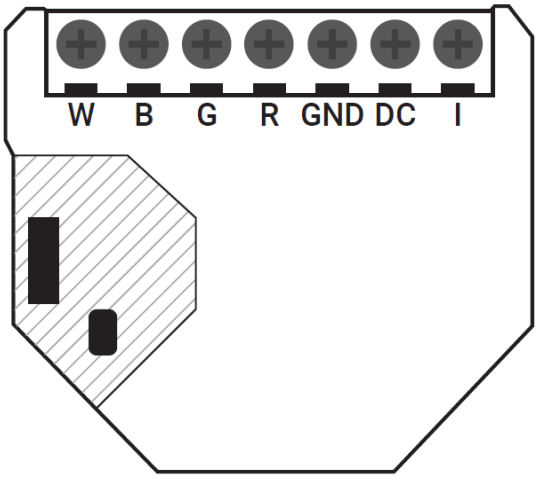
SHELLY RGBW2 LED CONTROLLER



- Legend
- 1-Switch input (AC or DC) for on/off/dimming
- DC-+12/24V DC power supply
- GND-12/24V DC power supply
- R-Red light control
- G- Green light control
- B-Blue light control
- W-White light control

The RGBw2 WiFi LED Controller Shelly@ by Allterco Ro botics is intended to be installed directly to a LED strip/ light in order to control the color and dimming of the light Shelly may work as a standalone device or as an accessory to a home automation controller.

Specification

- Power supply – 12 or 24V DC
- Power output (12V) 144W combined power, 45W per channel

- Power output (24V) 288W combined power, 90W-per channel
- Complies with EU standards RE Directive 2014/53/EU,
- LVD 2014/35/EU, EMC 2004/108/WE, RoHS2 2011/65/UE
- Working temperature- from-20°C to 40°C
- Radio signal power – 1mW
- Radio protocol-WiFi 802.11 b/g/n
- Frequency – 2400-2500 MHz;
- Operational range (depending on local construction)-
- up to 20 m outdoors, up to 10 m indoors
- Dimensions (HxWxL) – 43 x 38 x 14 mm
- Electrical consumption- < 1 W

Technical Information

- Control through WiFi from a mobile phone, PC, automation
- system or any other Device supporting HTTP and/or UDP protocol.
- Microprocessor management.
- Controlled elements: multiple white and colour (RGB) LED diods
- Shelly may be controlled by an external button/switch.
- CAUTION! Danger of electrocution. Mounting the Device to the power grid has to be performed with caution.
- CAUTION! Do not allow children to play with the button/ switch connected the Device. Keep the Devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

Introduction to Shelly

- Shelly@is a family of innovative Devices, which allow remote control of electric appli-ances through mobile phone, PC or home automation system. Shelly@ uses WiFi to connect to the devices controlling it. They can be in the same WiFi net work or they can use remote access (through the Internet).
- Shelly@ may work standalone, without being managed by a home automation controller, in the local WiFi network, as well as through a cloud service, from everywhere the
- The user has Internet access.
- Shelly@ has an integrated web server, through which the User may adjust, control and monitor the Device. Shelly@ has two
- WiFi modes access Point (AP) and Client mode (CM). To operate in Client Mode, a WiFi router must be located within the range of the Device. Shelly® devices can communicate directly with other WiFi devices through HTTP protocol.
- An API can be provided by the Manufacturer. Shelly® devices may be available for monitor and control even if the User is outside the range of the local WiFi network, as long as the
- WiFi router is connected to the Internet. The cloud function could be used, which is activated through the web server of the Device or through the settings in the Shelly Cloud mobile application.
- The User can register and access Shelly Cloud, using either Android or i0S mobile applications, or any internet browser and the web site: https://my. Shelly.cloud/

Installation Instructions

- **CAUTION!** Danger of electrocution. The mounting/installation of the Device should be done by a qualified person (electrician).
- **CAUTION!** Danger of electrocution. Even when the device is turned off, it is possible to have voltage across its clamps.
- Every change in the connection of the clamps has to be done after ensuring all local power is powered off/disconnected.
- **CAUTION!** Do not connect the Device to appliances exceeding the given max load!
- **CAUTION!** Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.
- **CAUTION!** Before beginning the installation please read the accompanying documentation carefully and completely. Failure to follow recommended procedures could lead to malfunction, danger to your life or violation of the law. Allterco
- Robotics is not responsible for any loss or damage in case of incorrect installation or operation of this Device.
- **CAUTION!** Use the Device only with power grid and appliances which comply with all applicable regulations. short circuit in the power grid or any appliance connected to the Device may damage the Device.
- **A RECOMMENDATION!** The Device may be connected to and may control electric circuits and appliances only if they comply with the respective standards and safety norms.
- **A RECOMMENDATION!** The Device may be connected to and may control electric circuits and light sockets only if they comply with the respective standards and safety norms.

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type Shelly RGBW2 is in compliance with Directive 2014/53/EU, 2014/35/EU, 2004/108/WE, 2011/65/UE. The full text of the EU declaration of conformity is available at the following internet address

- **https://shelly.cloud/declaration-of-conformity/**
- Manufacturer: Allterco Robotics EOOD
- Address: Sofia, 1407, 103 Cherni brah Blvd.
- Tel.: +359 2 988 7435
- E-mail: **support@shelly.cloud**
- Web: **http://www.shelly.cloud**
- Changes in the contact data are published by the Manufacturer at the official website of the Device **http://www.shelly.cloud**

The User is obliged to stay informed of any amendments to these warranty terms before exercising his/her rights against the Manufacturer All rights to trademarks She® and Shelly@, and other intellectual rights associated with this Device belong to Allterco Robotics EOOD.

Documents / Resources

	**Shelly RGBW2 Wi-FI RGB Controller for LED Stripsc** [pdf] User Manual RGBW2, Wi-FI RGB Controller for LED Strips, RGBW2 Wi-FI RGB Controller for LED Strips