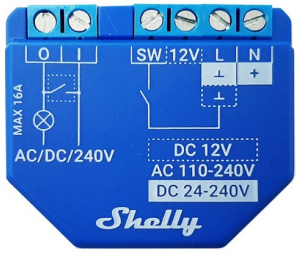
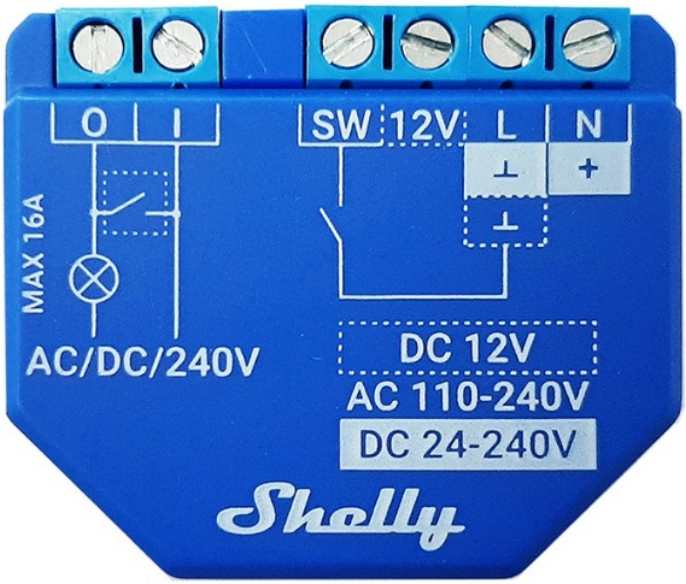


Allterco Robotics SHELLYPLUS1 16A Bluetooth Wi-Fi Smart Switch User Guide

Robotics SHELLYPLUS1 16A Bluetooth Wi-Fi Smart Switch User Guide



SHELLY Plus 1

Contents

USER AND SAFETY GUIDE

This document contains important technical and safety information about the device and its safe use and installation. Before beginning the installation, please read this guide and any other documents accompanying the device carefully and completely. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of the law, or refusal of legal and/or commercial guarantee (if any). Allterco Robotics is not responsible for any loss or damage in case of incorrect installation or improper operation of this device due to failure of following the user and safety instructions in this guide.

Introduction to Shelly

Shelly® is a line of innovative Devices, which allow remote control of electric appliances through a mobile phone, tablet, PC, or home automation system. Shelly® may work stand-alone on the local WiFi network, without being managed by a home automation controller, or it can also work through cloud home automation services. Shelly® devices can be accessed, controlled, and monitored remotely from any place the User has Internet connectivity, as long as the devices are connected to a WiFi router and the Internet. Shelly® has an integrated web server, through which the User may adjust, control and monitor the Device. The cloud function could be used, if it is activated through the web server of the Device or the settings in the Shelly Cloud mobile application. The User can register and access Shelly Cloud using either Android or iOS mobile application, or with any internet browser at **https://my.shelly.cloud/**

Shelly® Devices have 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. Devices can communicate directly with other WiFi devices through HTTP protocol. An API can be provided by the Manufacturer.

⚠**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.

INITIAL INCLUSION

Before installing/mounting the Device ensures that the grid is powered off (turned down breakers). Connect the Relay to the power grid and install it in the console behind the switch/ power socket following the scheme that suites the desired purpose: Connecting to the power grid with a power supply 110-240V AC (fig. 1) or 24-240V DC Connecting to the power grid (fig.3) or 12V DC (fig. 2) power supply. For more information, please visit: **http://shelly-api-docs.shelly.cloud/#shelly-family-overview** or contact us at: **developers@shelly.cloud**

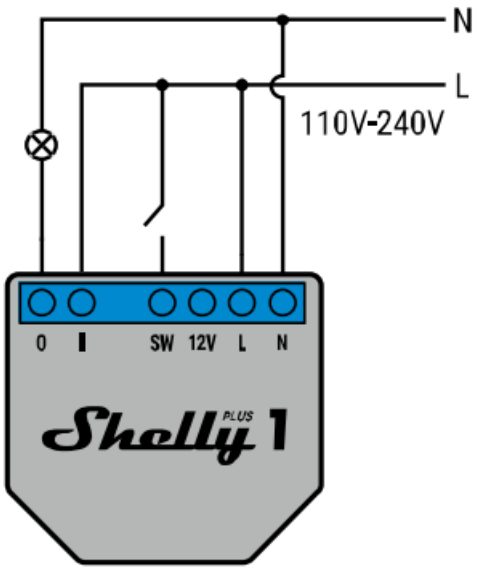


fig. 1

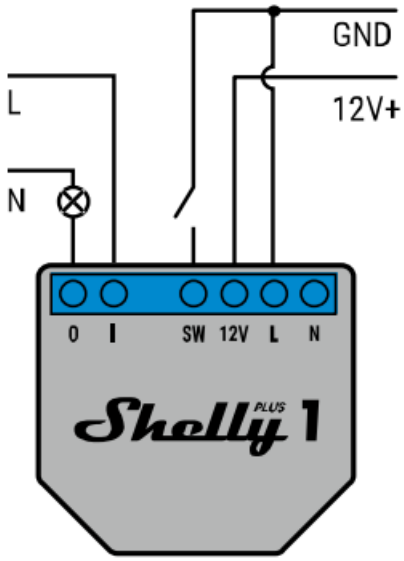


fig. 2

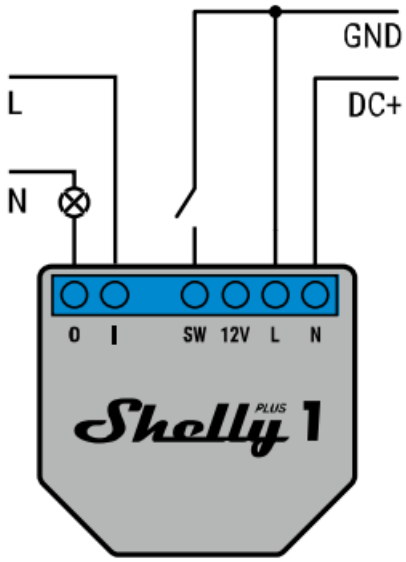


fig. 3

Legend

- N – Neutral input (Zero)
- L – Line input (110-240V)
- 0 – Relay Output
- 1 – Relay input
- SW – Switch (input) con-trolling 0
- 12V – DC Stabilized

The WiFi Relay Switch Shelly® 1 PLUS may control 1 electrical circuit up to 3.5 kW. It is intended to be mounted into a standard in-wall console, behind power sockets and light switches, or in other places with limited space. Shelly may work as a standalone device or as an accessory to another home automation controller.

Specification

- Max load: 16A/240V

- Working temperature: 0°C up to 40°C
- Radio protocol: WiFi 802.11 b/g/n
- Operational range (depending on local construction): – up to 50 m outdoors, up to 30 m indoors
- Dimensions (HxWxL): 41x36x17 mm
- Electrical consumption: < 1 W
- Mounting: Wall box
- Wi-Fi: YES
- Bluetooh: YES
- Temperature Protection: YES
- Scripting (mjs): YES
- HomeKit support: YES
- MOTT: YES
- URL Actions: 20
- Scheduling: 50
- AC power supply: 110-240 V
- DC Power supply: 12V stabilized
- DC Power supply: 24-240 V CPU: ESP32
- Flash: 4MB

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: 1 electrical circuits/appliances.
- Controlling elements: 1 relays.
- 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 to the Device. Keep the Devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

Installation Instructions

 **CAUTION!** Danger of electrocution. The mounting/installation location 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! Use the Device only with power grid and appliances which comply with all applicable regulations. A short circuit in the power grid or any appliance connected to the Device may damage the Device.

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.

RECOMMENDATION! The Device may be connected with solid single-core cables with increased heat resistance to insulation not less than PVC T105°C.

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type Shelly Plus 1 is in compliance with Directive 2014/53/ EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address **https://shelly.cloud/knowledge-base/devices/shelly-plus-1/**

Manufacturer Allterco Robotics EOOD
Address: Bulgaria, 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

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Documents / Resources

	Allterco Robotics SHELLYPLUS1 16A Bluetooth Wi-Fi Smart Switch [pdf] User Guide SHELLYPLUS1, 2ALAY-SHELLYPLUS1, 2ALAYSHELLYPLUS1, SHELLYPLUS1 16A Bluetooth Wi-Fi Smart Switch, SHELLYPLUS1, 16A Bluetooth Wi-Fi Smart Switch