Shelly® PLUG

Smart WiFi Plug

USER GUIDE
WARRANTY & WARRANTY TERMS

USER GUIDE

WiFi Smart Plug Shelly®

WiFi LED
Power Button (with LED)

The Shelly® WiFi Smart Plug by Allterco Robotics is intended to be plugged into a standard Plug Type F (IEC) in order to control and monitor the electric power through it. Shelly may work as a standalone device or as an accessory to She® or another home automation controller.

Specification

Power supply:
110-230V ±10% 50/60Hz AC
Max load:
16A / 230V, 50/60Hz
Complies with EU standards:
• RE Directive 2014/53/EU
• LVD 2014/35/EU
• EMC 2004/108/WE
• RoHS2 2011/65/UE
Working temperature:
0 – 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 50 m outdoors
• up to 30 m indoors
Dimensions (HxWxL):
98 x 56 x 35 mm.
Electrical consumption:
< 1 W
SAR:
1.15 W/Kg

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 plug.
- Controlling elements: 1 relay.
- Shelly may be controlled by the integrated button.

⚠ **CAUTION!** Danger of electrocution. Plugging the device to the power grid has to be performed with caution.

⚠ **CAUTION!** Do not allow children to play with the device, esp. with the Power Button. 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 appliances 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 network 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 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 Shelly 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 the Shelly Cloud, using either Android or iOS mobile applications, or any internet browser and the web site: **https://my.shelly.cloud/**.

Installation Instructions

CAUTION! Danger of electrocution. Even when the device is turned off, it is possible to have voltage across its clamps. Never disconnect or reconnect the clamps before ensuring all local power is disconnected.

CAUTION! Do not connect the Device to appliances exceeding the given max load!

CAUTION! Connect the Device only in the way shown in this 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.

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.

Initial Inclusion

Plug the Shelly to the power socket without any device / load connected to the Shelly.

Press the Power Button. The Button should turn red. This means that Shelly has turned on the socket and it may provide power to an appliance or device. Press the Button again and the red light will turn off. This means that Shelly's socket is no longer supplying power.

You may choose if you want to use Shelly with the Shelly Cloud mobile application and Shelly Cloud service. You can also familiarize yourself with the instructions for Management and Control through the embedded Web interface.

Factory Reset

You can return your Shelly Plug to its Factory Settings by pressing and holding the Power Button for 10 seconds.

Upon successful factory reset Shelly's WiFi LED will turn Blue.

MOBILE APPLICATION
FOR SHELLY®

Allterco Robotics EOOD
Sofia, Bulgaria © March, 2017

The Shelly Cloud mobile application

Shelly Cloud gives you opportunity to control and adjust all Shelly® devices from anywhere in the world.

You only need an Internet connection and our mobile application, installed on your smartphone or tablet.

To install the application please visit Google Play (Android - fig. 1) or App Store (iOS - fig. 2) and install the Shelly Cloud app.
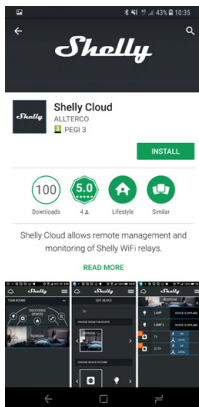
fig. 1

fig. 2

Registration

The first time you open the Shelly Cloud mobile app, you have to create an account which can manage all your Shelly® devices.

Forgotten Password

In case you forget or lose your password, just enter the e-mail address you have used in your registration. You will then receive instructions on how to change your password.

⚠️ **WARNING!** Be careful when you type your e-mail address during the registration, as it will be used in case you forgot your password.

6

After registering, create your first room (or rooms), where you are going to add and use your Shelly devices.
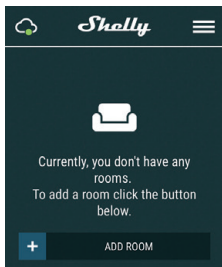
Shelly Cloud gives you opportunity to create scenes for automatic turning on or off of the Devices at predefined hours or based on other parameters like temperature, humidity, light etc.

Shelly Cloud allows easy control and monitoring using a mobile phone, tablet or PC.

Device Inclusion

To add a new Shelly device, plug it to the power grid following the Installation Instructions included with the Device.

Step 1

Plug your Shelly into the socket and wait for the WiFi LED light to turn blue.

⚠ **WARNING:** If the WiFi LED does not turn blue, press and hold the Power Button for at least 5 seconds. Watch at the color of the button. After the button begins to blink red, release it. The WiFi LED should then turn blue. If not, please repeat or contact our customer support at: **support@shelly. cloud**
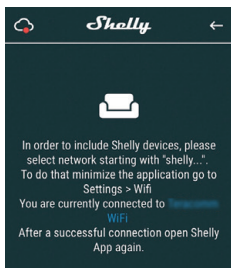
Step 2

Choose "Add Device".

In order to add more devices later, use the app Menu at the top right corner of the main screen and click "Add Device".
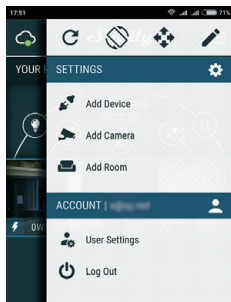
Type the name (SSID) and password for the WiFi network, to which you want to add the Device.

Step 3

If using iOS: you will see the following screen:

Press the Home button of your iPhone/iPad/iPod. Open Settings > WiFi and connect to the WiFi network created by Shelly, e.g. **shellyplug-35FA58**.

If using Android: your phone/tablet will automatically scan and include all new Shelly devices found in the WiFi network that you are connected to.

Upon successful Device Inclusion to the WiFi network you will see the following pop-up:
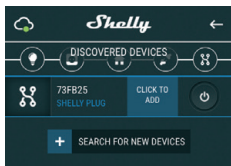

Step 4:

Approximately 30 seconds after discovery of any new devices on the local WiFi network, a list will be displayed by default in the "Discovered Devices" room.

Step 5:

Select the Discovered Devices and choose the Device you want to include in your account.

Step 6:

Enter a name for the Device (in the Device Name field). Choose a Room, in which the device has to be positioned. You can choose an icon or add a picture to make it easier to recognize. Press "Save Device".
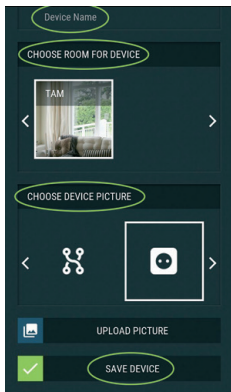
Step 7:

To enable connection to the Shelly Cloud service for remote control and monitoring of the Device, press "yes" on the following pop-up.

Shelly Devices Settings
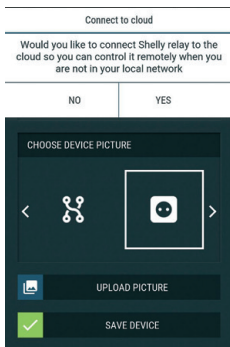
After your Shelly device is included in the app, you can control it, change its settings and automate the way it works.

To switch the device on and off, use the respective ON/OFF button.

To enter at the details menu of the respective device, simply click on it's name.

From the details menu you may control the device, as well as edit its appearance and settings.

EDIT DEVICE - allows you to change the device's name, room and picture.

DEVICE Settings - allows you to change

settings. For example, with Restrict Login you may enter a username and password to restrict access to the embedded web interface in the Shelly device. You may automate the device operations from this menu as well.
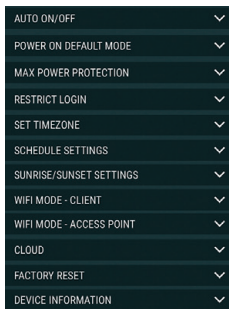
Power On Default Mode

This setting controls whether the device will supply power or not the output as a default whenever it is receiving power from the grid:

ON: When the device is powered, by default the socket will be powered.

OFF: Even if the device is powered, by default the socket will not be powered.

Restore Last Mode:

When power is restored, by default, the appliance will return to the last state it was in before the last power off/shutdown.

Auto ON/OFF

To manage the power supply automatically, you may use:

When ON – Auto OFF after: After turning on, the power supply will automatically shutdown after a predefined time (in seconds). A value of 0 will cancel the automatic shutdown.

When OFF – Auto On after: After turning off, the power supply will be automatically turned on after a predefined time (in seconds). A value of 0 will cancel the automatic power-on.

Sunrise/Sunset Hours

⚠ This function requires an Internet connection. To use Internet, a Shelly device has to be connected to a local WiFi network with a working Internet connection.

Shelly receives actual information through the Internet about the time of sunrise and sunset in your area. Shelly may turn on or off automatically at sunrise/sunset, or at a specified time before or after sunrise/sunset.

On/Off hours

⚠ This function requires an Internet connection. To use Internet, a Shelly device has to be connected to a local WiFi network with working Internet connection.

Shelly may turn on/off automatically at a predefined time.

Some of the features of the Shelly Cloud mobile application are available at **https://my.shelly.cloud/** as well.

MAKE IoT SIMPLE

Shelly® BULB
Smart WiFi RGB+W light

is compatible with Shelly®PLUG

www.Shelly.cloud
by Allterco Robotics

The Embedded Web Interface

Even without the mobile app the Shelly device can be set and controlled through a browser and WiFi connection of a mobile phone, tablet or PC.

ABBREVIATIONS USED:

Shelly-ID – the unique name of the device. It consists of 6 or more characters. It may include numbers and letters, for example **35FA58**.

SSID – the name of the WiFi network, created by the device, for example **shelly-plug-35FA58**.

Access Point (AP) – the mode in which the device creates its own WiFi connection point with the respective name (SSID).

Client Mode (CM) – the mode in which the device is connected to another WiFi network.

Installation/Initial inclusion
Step 1
Plug the Shelly into the socket and wait the WiFi LED to turn blue.

⚠️ **WARNING:** If the WiFi LED does not turn blue, press and hold the Power Button for 5 seconds. Watch at the color of the Button. After the Button begins to blink red, release it.

Step 2
When the WiFi LED turns blue, Shelly has created an own WiFi network (own AP), with name (SSID) such as **shellyplug-35FA58**. Connect to it with your phone, tablet or PC.
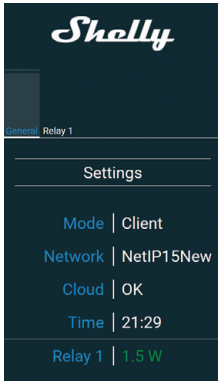
Step 3
Type **192.168.33.1** into the address field of your browser to load the web interface of the Shelly device.

General - Home Page

This is the home page of the embedded web interface. If it has been set up is correctly, you will see information about:

• Current electrical consumption
• Settings menu button
• Current state (on/off)
• Present time

Settings – General Settings

In this menu, you can configure the Shelly device's work and connection modes.

WiFi Settings – the WiFi connection settings.

Access Point (AP) Mode: Allows the device to operate as a WiFi access point. The User can change the name (SSID) and the password to access the WiFi. After you have entered the desired settings, press Connect.

WiFi Client Mode (CM): Allows the device to connect to an available WiFi network. In order to switch to this mode, the User must enter the name (SSID) and the password to connect to a local WiFi network. After entering the correct details, press Connect.

ATTENTION! If you have entered incorrect information (wrong settings, usernames, passwords etc.) you will not be able to connect to Shelly.

⚠️ **WARNING:** To reset the device, press and hold the Power Button for at least 10 seconds. Watch at the color of the Button. After the Button begins to blink fast in red, release it.

Login: Access to the Device

Leave Unprotected - removing the notification for disabled authorization.

Set Login – you can turn authentication on or off
Username - A username set by you
Password - A password set by you
This is where you can change your username and password. You must enter a new username and the new password, then press Save to save the changes.

Connect to Cloud: You can turn the connection between Shelly and Shelly Cloud on or off.

Max Power: You can limit the maximum power the socket will supply. If the pre-set current draw is exceeded, Shelly will turn the socket off. Allowable power can be set up to 3500W.

Factory reset: Return Shelly to its factory settings.

Firmware Upgrade: Shows present firmware version. If a newer version is available, officially announced and published by the Manufacturer, you can update your Shelly device. Click Upload File to install it to your Shelly device.

Device Reboot: Reboots the device.

Managing the Shelly Device

Relay 1 Screen

In this screen you can control, monitor and change the settings for turning the power socket on and off.

You can also see the current status (electrical load/power consumption) of the connected appliance to Shelly, Buttons Settings, ON and OFF.

To control Shelly press Relay1:

To turn Shelly on press "Turn ON".

To turn Shelly off press "Turn OFF"

Press the icon **>** to go to the previous menu.

Shelly Power Management Settings

Each Shelly device can be configured individually. This lets you personalize each Shelly device in a unique manner, or consistently, as you choose.

Power On Default State

This sets the socket's default state when powered from the power grid.

ON: By default when the socket is powered and the connected appliance to it will be powered as well.

OFF: By default the socket and any connected appliance will NOT be powered, even when it is connected to the grid.

Restore Last State: By default the socket and the connected appliance will be returned to the last state they occupied (on or off) before the last power off/shutdown.

Auto ON/OFF

Automatic powering/shutdown of the socket and the connected appliance:

When ON – Auto OFF after: After turning on, the power supply will be automatically shut down after a predefined time (in seconds). A value of 0 will cancel the automatic shutdown.

When OFF – Auto ON after: After turning off, the power supply will be automatically turned on after a predefined time (in seconds). A value of 0 will cancel the automatic start.

Sunrise/Sunset hours

⚠️ This function requires an Internet connection. To use Internet, a Shelly device has to be connected to a local WiFi network with a working Internet connection.

Shelly receives actual information through the Internet about the time of sunrise and sunset in your area. Shelly may turn on or off automatically at sunrise/sunset, or at a specified time before or after sunrise/sunset.

On/Off hours

⚠️ This function requires an Internet connection. To use Internet, a Shelly device has to be connected to a local WiFi network with working Internet connection.

Shelly may turn on/off automatically at a predefined time.

Additional Features

Shelly allows control via HTTP from any other device, home automation controller, mobile app or server.

For more information about the REST control protocol, please visit: **www.shelly.cloud** or send a request to **developers@shelly.cloud.**

Warranty Terms

1. The Device's warranty term is 24 (twenty four) months, beginning with the date of purchase by the End User. The Manufacturer is not responsible for extra warranty terms by any other than the Manufacturer.

2. The Warranty is valid for the territory of EU.

The warranty is applicable in compliance with all relevant laws and users' rights protections. The purchaser of the Device is entitled to exercise his/her rights in accordance with all applicable laws and regulations.

3. Warranty terms are provided by Allterco Robotics EOOD (referred hereinafter as the Manufacturer), incorporated under the Bulgarian law, with address of registration 109 Bulgaria Blvd, floor 8, Triaditsa Region, Sofia 1404, Bulgaria, registered with the Commercial Register kept by the Bulgarian Ministry of Justice's Registry Agency under Unified Identity Code (UIC) 202320104.

4. Claims regarding the Conformity of the Device with the terms of the contract of sale shall be addressed to the Seller, in accordance with its terms of sale.

5. Damages such as death or body injury, deterioration or damages to objects different from the defective product, caused by a defective product, are to be claimed against the Manufacturer using the contact data of the Manufacturer's company.

6. The User may contact the Manufacturer via e-mail at **support@shelly.cloud** for operational problems that may be resolved remotely. It is recommended that the User contact the Manufacturer before sending the device for servicing.

7. The terms of removing defects depends on the commercial terms of the Seller. The Manufacturer is not responsible for untimely servicing of the Device or for faulty repairs carried out by unauthorized service.

8. When exercising their rights under this warranty, the User must provide the device with the following documents: receipt and valid warranty card with date of purchase.

9. After a warranty repair has been carried out, the warranty period is extended only for that period.

10. The warranty does NOT cover any damages to the device which occur in the following circumstances:

When the Device has been used or wired inappropriately, including inappropriate fuses, overpassing maximal values of load and current, electric shock, short circuit or other problems in the power supply, the power grid or the radio network.

When there is a non-compliance between warranty card and/or without a purchase

receipt, or attempted forgery of these documents, including (but not limited to) the warranty card or the documents proving the purchase.

When there has been a self-repair attempt, (de)installation, modification, or adaptation of the Device by unauthorized persons.

Intentional or negligent improper handling, storing or transportation of the device, or in the event of non-observance of the instructions included in this warranty.

When a non-standard power supply, network, or faulty devices have been used.

When damages occur which were caused regardless of the Manufacturer, including but not limited to: floods, storms, fire, lightning, natural disasters, earthquakes, war, civil wars, other force majeure, unforeseen accidents, robbery, water damage, any damages made by ingress of liquids, weather conditions, solar heating, any damages made by intrusion of sand, humidity, high or low temperature, or air pollution.

When there are other reasons beyond manufacturing defect, including but not limited to: water damage, ingress of liquid into the device, weather conditions, solar overheating, intrusion of sand, humidity, low or high temperature, air pollution.[u1]

When there have been mechanical damages (forced opening, breaking, cracks, scratches or deformations) caused by a hit, fall, or from another object, wrong use, or caused by not following the instructions for use.

When damage has been caused by exposing the device to severe outdoor conditions such as: high humidity, dust, too low or too high temperature. Terms of proper storage are specified in the User Manual.

When damage has been caused by lack of maintenance by the User, as specified in the User Manual.

When damage has been caused by faulty accessories, or those not recommended by the Manufacturer.

When damage has been caused by the use of non-original spare parts or accessories not suitable for the specified Device model, or after repairs and changes carried out by an unauthorized service or person.

When damage has been caused by the use of faulty devices and/or accessories.

When damage has been caused by faulty software, a computer virus or other harmful behaviour on the Internet, or by lack of software updates or incorrect updates by a method not provided by either the Manufacturer or by the Manufacturer's software.

11. The range of warranty repairs does not include periodical maintenance and inspections, particularly cleaning, adjustments, checks, bug fixes or program parameters and other activities that must be performed by the User (Buyer). The warranty does not cover wear of the Device, because such elements have a limited lifespan.

12. The Manufacturer is not responsible for any property damage caused by a defect in the Device. The Manufacturer is not liable for indirect damages (including but not limited to loss of profits, savings, lost profits, claims by third parties) in connection with any defect of the Device, nor for any property damage or personal injury arising out of or related to the use of the Device.

13. The Manufacturer is not responsible for damage caused by circumstances independent of the Manufacturer, including but not limited to: floods, storms, fire, lightning, natural disasters, earthquakes, war, civil unrest and other force majeure, unforeseen accidents, or theft.

Environmental Protection

This marking on the device, accessories, or documentation indicates that the device and its electronic accessories (charger, USB cable) must be disposed only in specially designated locations.

This marking on the battery, the instruction manual, the safety instructions, the warranty card or the packaging indicates that the battery in the device must be disposed only in specially designated locations.

Please follow the instructions for environmental protection and proper disposal of the Device, its accessories, and its packaging for the recycling of the materials for their further usage and to keep the environment clean!

Warranty Card

Shelly® Smart WiFi Plug (model S171)

....
Serial number:

....
Date of purchase:

....
Signature of Merchant (Seller):

Please save this part of the Warranty card. For carrying out the rights under the current warranty, you need to provide an original invoice and/or receipt, proving your purchase was valid.

Manufacturer: *Allterco Robotics EOOD*
Address: *Sofia, 1404, 109 Bulgaria Blvd., fl. 8*
Tel.: *+359 2 988 7435*
E-mail: *support@shelly.cloud*
http://www.shelly.cloud

<div style="text-align:right">2017/05/v01</div>

The Declaration of Conformity is available at:
https://Shelly.cloud/declaration-of-conformity/

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 for any amendments of 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.

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