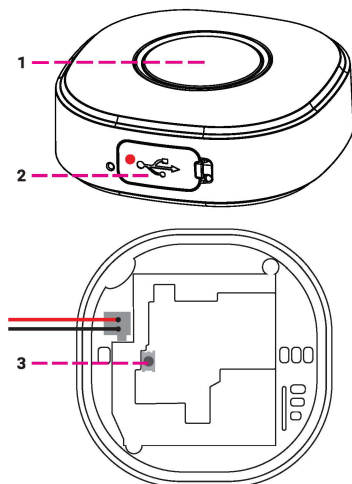


Shelly button1

Smart Wi-Fi button USER GUIDE



LEGEND

1. Button
2. USB port
3. Reset button

The WiFi battery operated button switch, Shelly Button1 may send commands for control of other devices, over the Internet. You can place it anywhere, and move it at any time. Shelly may work as a stand-alone Device or as an accessory to another home automation controller.

Specification

Power supply(charger)*: 1A/5V DC

Complies with EU standards:

- RE Directive 2014/53/EU
- LVD 2014/35/EU
- EMC 2004/108/WE
- RoHS2 2011/65/UE

Working temperature: -20°C up 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 30 m outdoors
- up to 15 m indoors

Dimensions (HxWxL): 45,5 x 45,5 x 17 mm

Electrical consumption: < 1 W

*Charger not included

Technical Information

- Control through WiFi from a mobile phone, PC, automation system or any other Device supporting HTTP and/or UDP protocol.
- Microprocessor management

CAUTION! When the device is connected to a charger, it is also constantly active and sends the command immediately.

CAUTION! Do not allow children to play with the button/switch of 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 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 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 iOS mobile applications, or any internet browser and the web site:

<https://my.Shelly.cloud/>.

Installation Instructions

CAUTION! Danger of electrocution. Keep the device away from moisture and any liquids! The device should not be used in areas with high humidity.

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! Before using the device 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 (wirelessly) to and may control electric circuits and appliances. Proceed with caution! Irresponsible attitude could lead to malfunction, danger to your life or violation of the law.

In order to add the device to your WiFi network, please connect it to a charger first. Upon connecting it to a charger, the device will create a WiFi Access Point.

For more information about the Bridge, please visit <http://shelly-api-docs.shelly.cloud/#shelly-family-overview> or contact us at: developers@shelly.cloud

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.

Control your home with your voice

All Shelly devices are compatible with Amazon Echo and Google Home. Please see our step-by-step guide on:

<https://shelly.cloud/compatibility/Alexa>

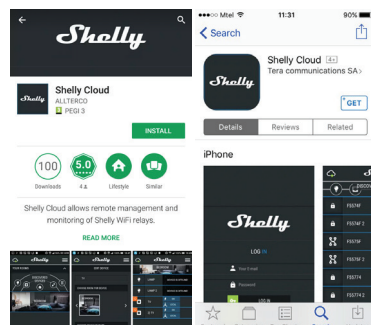
<https://shelly.cloud/compatibility/Assistant>

Shelly cloud

MOBILE APPLICATION FOR MANAGEMENT OF SHELLY®



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 - left screenshot) or App Store (iOS - right screenshot) and install the Shelly Cloud app.



Registration

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

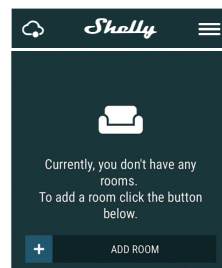
Forgotten Password

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 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 forget your password

First steps

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. (with available sensor in Shelly Cloud). Shelly Cloud allows easy control and monitoring using a mobile phone, tablet or PC

Device Inclusion

To add a new Shelly device turn it on and follow the steps for Device inclusion.

Step 1

After the installation of Shelly following the Installation Instructions and the power is turned on, Shelly will create its own WiFi Access Point (AP).

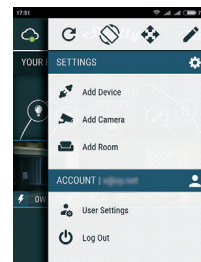
WARNING! In case the Device has not created its' own AP Wi-Fi network with SSID like **shellybutton1-35FA58**, please check if the Device is connected accordingly to the Installation Instructions. If you still do not see an active Wi-Fi network with SSID like **shellybutton1-35FA58** or you want to add the Device to another Wi-Fi network, reset the Device. You will need to remove the back cover of the Device. The reset button is below the battery. Carefully move the battery and hold the reset button for 10 seconds Shelly should return to AP mode. 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

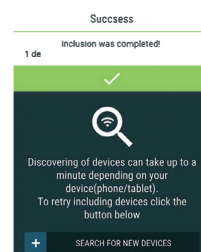


Press the home button of your iPhone/iPad/iPod. Open Settings > WiFi and connect to the WiFi network created by Shelly, e.g. **shellybutton1-35FA58**.

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

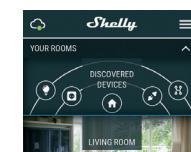


Upon successful Device Inclusion to the WiFi network you will see the following pop-up:



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



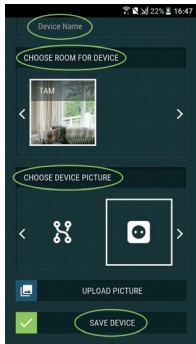
Step 5:

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



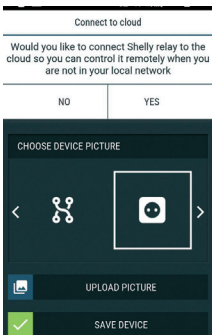
Step 6:

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".



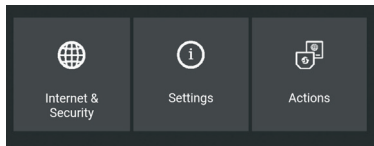
Step 7:

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



Shelly Device Settings

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



Internet/Security

WiFi Mode - Client: Allows the device to connect to an available WiFi network. After typing the details in the respective fields, press Connect.

WiFi Client Backup: Allows the device to connect to an available WiFi network, as a secondary (backup), if your primary WiFi network becomes unavailable. After typing the details in the respective fields, press Set.

WiFi Mode - Access Point: Configure Shelly to create a Wi-Fi Access point. After typing the details in the respective fields, press Create Access Point.

Cloud: Enable or Disable connection to the Cloud service.

Restrict Login: Restrict the web interface of Shelly with a Username and Password. After typing the details in the respective fields, press Restrict Shelly.

Actions

Shelly Button1 may send commands for control of other Shelly devices, by using a set of URL end-points. All URL actions can be found at: <https://shelly-api-docs.shelly.cloud/>

- Button Short Press: To send a command to an URL, when the button is pressed once.
- Button Long Press: To send a command to an URL, when the button is pressed and hold.

- Button 2x Short Press: To send a command to an URL, when the button is pressed two times.
- Button 3x Short Press: To send a command to an URL, when the button is pressed three times.

Settings

Longpush Duration

• Max - the maximum time, that the button is pressed and hold, in order to trigger Longpush command. Range for max (in ms): 800-2000

Multipush

The maximum time, between pushes, when triggering a multipush action. Range: 200-2000

Firmware Update

Update the firmware of Shelly, when a new version is released.

Time Zone and Geo-location

Enable or Disable the automatic detection of Time Zone and Geo-location.

Factory Reset

Return Shelly to its factory default settings

Device Reboot

Reboots the Device

Device Information

- Device ID - Unique ID of Shelly
 - Device IP - The IP of Shelly in your Wi-Fi network
- Edit Device**
- Device Name
 - Device Room
 - Device Picture
- When you are done, press **Save Device**.

The Embedded Web Interface

Even without the mobile app, Shelly 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 shellybutton1-35FA58.
- **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

After the installation of Shelly following the Installation Instructions and the power is turned on, Shelly will create its own WiFi Access Point (AP).

WARNING! In case the Device has not created its' own AP WiFi network with SSID like **shellyix3-35FA58**, please check if the Device is connected accordingly to the Installation Instructions. If you still do not see an active WiFi network with SSID like **shellyix3-35FA58** or you want to add the Device to another Wi-Fi network, reset the Device. You will need to have physical access to the Device. Press and hold the reset button, for 10 seconds. After 5 seconds, the LED should start blinking fast, after 10 seconds it should blink faster. Release the button. Shelly should return to AP mode. If not, please repeat or contact our customer support at: support@shelly.cloud

Step 2

When Shelly has created an own WiFi network (own AP), with name (SSID) such as **shellybutton1-35FA58**. 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 Shelly.

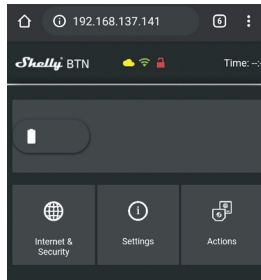
General - Home Page

This is the home page of the embedded web interface. Here you will see information about:

- Battery percentage
- Connection to Cloud
- Present time
- Settings

FCC 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 minimum distance 20cm between the radiator & your body.



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SNTP Server: You can change the default SNTP server. Enter the address, and click Save

Advanced - Developer Settings: Here you can change the action execution via CoAP (CoIoT) or via MQTT.

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Additional Information

The device is battery powered, with a "wake" and "sleep" mode.

The majority of the time Shelly Button will be in "sleep" mode when on battery power, to provide a longer battery life. When you press the button, it "wakes up", sends the command you need and it goes in "sleep" mode, to preserve power.

When the device is constantly connected to a charger, it sends the command immediately.

- When on battery power - the average latency is around **2 seconds**.
- When on USB power - the device is always connected, and there is no latency.

The reaction times of the device are dependent on internet connection and signal strength

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.

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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

You can see the latest version of this User Guide in .PDF by scanning the QR code or you can find it in the User manual section of our website: <https://shelly.cloud/support/user-manuals/>



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The Declaration of Conformity is available at www.shelly.cloud/declaration-of-conformity
Changes in the contact data are published by the Manufacturer at the official website of the Device 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 Shelly® and Shelly®, and other intellectual rights associated with this Device belong to Alterco Robotics EOOD.

