

USER AND SAFETY GUIDE

ShellyBLU Gateway

Smart BLE to Wi-Fi IoT gateway

Read before use

This document contains important technical and safety information about the device, its safe use and installation.

⚠ CAUTION! Before beginning the installation, please read carefully and entirely this guide and any other documents accompanying the device. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of law or refusal of legal and/or commercial guarantee (if any). Shelly Europe Ltd. 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.

Product Introduction

Shelly® is a line of innovative microprocessor-managed devices, which allow remote control of electric circuits through a mobile phone, tablet, PC, or home automation system. Shelly® devices can work standalone in a local Wi-Fi network or they can also be operated through cloud home automation services. Shelly Cloud is a service that can be accessed using either an Android or iOS mobile application or with any internet browser at <https://control.shelly.cloud/>. Shelly® devices can be accessed, controlled, and monitored remotely from any place where the user has internet connectivity, as long as the devices are connected to a Wi-Fi router and the Internet. Shelly® devices have an Embedded Web Interface accessible at <http://192.168.33.1> when connected directly to the device access point, or at the device IP address on the local Wi-Fi network. The embedded Web Interface can be used to monitor and control the device, as well as adjust its settings.

Shelly® devices can communicate directly with other Wi-Fi devices through HTTP protocol. An API is provided by Shelly Europe Ltd.. For more information, please visit:

<https://shelly-api-docs.shelly.cloud/#shelly-family-overview>.

Shelly® devices are delivered with factory-installed firmware. If firmware updates are necessary to keep the devices in conformity, including security updates, Shelly Europe Ltd. will provide the updates free of charge through the device Embedded Web Interface or the Shelly mobile application, where the information about the current firmware version is available. The choice to install or not the device firmware updates is the user's sole responsibility. Shelly Europe Ltd. shall not be liable for any lack of conformity of the device caused by failure of the user to install the provided updates in a timely manner.

ShellyBLU Gateway (the Device) is a smart BLE to Wi-Fi gateway in a USB A dongle.

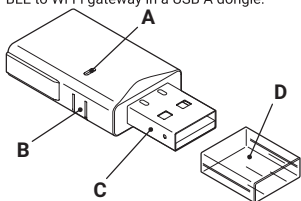


Fig. 1

Legend

- **A:** LED indication
- **B:** Reset button
- **C:** USB A plug
- **D:** Protective cap

Installation Instructions

⚠ CAUTION! Do not open the device. It does not contain any parts that can be maintained by the user. For safety and licensing reasons, unauthorized change and/or modification of the device is not permitted.

⚠ CAUTION! Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.

⚠ CAUTION! Do not use the device if it shows signs of damage! Do not attempt to service or repair the Device yourself!

⚠ CAUTION! Do not install the Device where it can get wet.

Remove the protective cap and plug the Device into a standard USB A port.

The LED should turn blue, indicating the Device is powered and is in access point (AP) mode.

Using Shelly Smart Control mobile application

If you choose to use the Device with the Shelly Smart Control mobile application and cloud service, instructions on how to connect the Device to the Cloud and control it through the Shelly Smart Control app can be found in the mobile application guide.

The Shelly mobile application and Shelly

Cloud service are not conditions for the Device to function properly. This Device can be used standalone or with various other home automation platforms and protocols.

⚠ CAUTION! Do not allow children to play with the buttons/switches connected to the Device. Keep the devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

Follow your Shelly BLE device guide on how to include it in the Shelly Smart Control mobile application and cloud service.

Advanced users

If you want to use the Device locally, connect to its AP (SSID: ShellyBluGw-xxxxxxxxxxx) using a Wi-Fi enabled device and type <http://192.168.33.1> in your browser to access the Device embedded Web Interface.

Click on the Wi-Fi icon at the top to go to the Device Wi-Fi settings.

Connect the Device to a local Wi-Fi network. We recommend setting a static IP address.

Check the Device Web interface guide for a detailed description at

https://shelly.link/blugw_wig

Click on the Bluetooth icon at the top to go to the Device Bluetooth settings.

Enable Bluetooth gateway.

Now, using scripts, you can detect BLE devices that comply with the BT Home protocol, read their transmission, and, based on the received data, control other smart devices connected to the same network.

LED indication

- Blue light indicator will be on if in AP mode.
- Red light indicator will be on if in STA mode and not connected to a Wi-Fi network.
- Yellow light indicator will be on if in STA mode and connected to a Wi-Fi network. Not connected to Shelly Cloud or Shelly Cloud disabled.
- Green light indicator will be on if in STA mode and connected to a Wi-Fi network and to the Shelly Cloud.
- The light indicator will be flashing Red/Blue if OTA update is in progress.

Reset button

- Press and hold for 5 sec for AP mode.
- Press and hold for 10 sec for factory reset.

Specification

- Dimensions (LxWxD): 45x20x8 mm / 1.77x0.79x0.21 in
- Ambient temperature: -20 °C to 40 °C / -5 °F to 105 °F
- Humidity 30 % to 70 % RH
- Power supply: 5 VDC (from USB Type-A port)
- Electrical consumption: < 1 W
- RF band: 2400 - 2495 MHz
- Max. RF power: < 20 dBm
- Wi-Fi protocol: 802.11 b/g/n
- Wi-Fi operational range (depending on local conditions):
 - up to 50 m / 160 ft outdoors
 - up to 30 m / 100 ft indoors
- Bluetooth protocol: 4.2
- Bluetooth operational range (depending on local conditions):
 - up to 30 m / 100 ft outdoors
 - up to 10 m / 33 ft indoors
- CPU: ESP32
- Flash: 4 MB
- Schedules: 20
- Webhooks (URL actions): 20 with 5 URLs per hook
- Scripting: Yes
- MQTT: Yes

Declaration of conformity

Hereby, Shelly Europe Ltd. declares that the radio equipment type ShellyBLU Gateway 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.link/blugw_DoC

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Official website: <https://www.shelly.cloud>

Changes in the contact information data are published by the Manufacturer on the official website.

All rights to the trademark Shelly® and other intellectual rights associated with this Device belong to Shelly Europe Ltd.

