



Shelly BLU Gateway Gen3 User Guide

[Home](#) » [Shelly](#) » Shelly BLU Gateway Gen3 User Guide 



Shelly BLU Gateway Gen3
Shelly BLU Gateway Gen3 (the Device) is a smart BLE to
Wi-Fi gateway in a USB-A dongle
User and safety guide

Contents

- [1 Safety information](#)
- [2 Product description](#)
- [3 Legend](#)
- [4 Installation instructions](#)
- [5 Shelly Cloud inclusion](#)
- [6 Local use](#)
- [7 Pairing with BLE devices](#)
- [8 Specifications](#)
- [9 Disposal and recycling](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)

Safety information



For safe and proper use, read this guide, and any other documents accompanying this product. Keep them for future reference. Failure to follow the installation procedures can lead to malfunction, danger to health and life, violation of law, and/or refusal of legal and commercial guarantees (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 to follow the user and safety instructions in this guide.



This sign indicates safety information.



This sign indicates an important note.



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 any sign of damage or defect.



CAUTION! Do not attempt to repair the Device yourself.



CAUTION! The Device is intended only for indoor use.



CAUTION! Keep the Device away from dirt and moisture.

Product description

Shelly BLU Gateway Gen3 is a smart BLE to Wi-Fi gateway which can be used to monitor and control all Shelly BLE devices. It features Virtual and BT Home components.

The Device has an embedded web interface used to monitor, control, and adjust the Device. The web interface is accessible at <http://192.168.33.1> when connected directly to the Device access point or at its IP address when you and the Device are connected to the same network.

The Device can access and interact with other smart devices or automation systems if they are in the same network infrastructure. Shelly Europe Ltd. provides APIs for the devices, their integration, and cloud control. For more information, visit <https://shelly-api-docs.shelly.cloud>.



The Device comes with factory-installed firmware. To keep it updated and secure, Shelly Europe Ltd. provides the latest firmware updates free of charge. Access the updates through either the embedded web interface or the Shelly Smart Control mobile application. Installation of firmware updates is the user's responsibility. Shelly Europe Ltd. shall not be liable for any lack of conformity of the Device caused by the failure of the user to install the available updates in a timely manner.

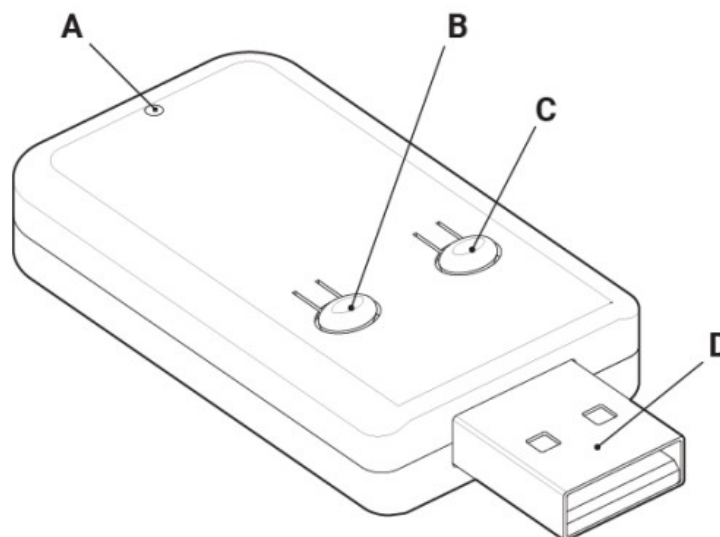


Fig. 1

Legend

A:	LED indication
B:	Pair button
C:	Reset button
D:	USB-A plug

Installation instructions

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.

Shelly Cloud inclusion

The Device can be monitored, controlled, and set up through our Shelly Cloud home automation service. You can use the service through either our Android, iOS, or Harmony OS mobile application or through any internet browser at <https://control.shelly.cloud/>.

If you choose to use the Device with the application and Shelly Cloud service, you can find instructions on how to connect the Device to the Cloud and control it from the Shelly app in the application guide: <https://shelly.link/appguide>.

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.

Local use


If you want to use the Device locally, connect to its AP (SSID: ShellyBluGwG3-xxxxxxxxxxxx) 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/blugwg3_wig.

Click on the Bluetooth icon at the top to go to the Device Bluetooth settings. Select the Enable checkbox and save the settings.

All paired Shelly BLE devices will appear as BT Home components on the home page of the Device web interface. Alternatively, you can use scripts to 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.

Pairing with BLE devices

 If you bought the Device separately or you want to pair it with additional BLE devices, follow the instructions below:

If you bought the Device bundled with Shelly BLE devices, they come factory pre-paired, so no additional setup is required.

1. Press the Pair button on the Device.
2. Set the BLE device you want to pair to the Shelly BLU Gateway Gen3.

You can achieve this by either pressing and holding the button on the BLE device for 10 seconds or selecting the option from the Shelly BLU TRV menu using its knob.

For more details, please refer to the user and safety guide of the BLE device you want to pair.

Specifications

Physical

Size (HxWxD):	60x27x11 mm / 2.36×1.06×0.43 in
Weight:	10 g / 0.35 oz
Shell material:	White
Shell color:	Plastic

Environmental

Ambient working temperature:	20 °C to 40 °C / -5 °F to 105 °F
Humidity:	30 % to 70 % RH

Electrical

Power supply:	5 V (from USB-A port)
Power consumption:	< 1 W

Radio Wi-Fi

Protocol:	802.11 b/g/n
RF band:	2412 – 2472 MHz
Max. RF power:	< 20 dBm
Range:	Up to 30 m / 98 ft indoors and 50 m / 164 ft outdoors (Depends on local conditions)

Bluetooth

Protocol:	4.2 with BLE
RF band:	2402 – 2480 MHz
Max. RF power:	< 10 dBm
Range:	Up to 10 m / 33 ft indoors and 30 m / 98 ft outdoors (depends on local conditions)

Microcontroller unit

CPU:	Shelly ESP32 C3
Flash:	8 MB

Firmware capabilities

Schedules:	20
Webhooks (URL actions):	20 with 5 URLs per hook
Scripting:	Yes
MQTT:	Yes
Encryption:	Yes

FCC Notes

- 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.
- The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.
- 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.
- RF exposure statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
- 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.

Disposal and recycling

This refers to the waste of electrical and electronic equipment. It is applicable in the EU, US and other countries to collect waste separately.



This symbol on the product or in the accompanying literature indicates that the product should not be disposed of in the daily waste. Shelly Plug US Gen4 must be recycled to avoid possible damage to the environment or human health from uncontrolled waste disposal and to promote the reuse of materials and resources. It is your responsibility to dispose of the device separately from general household waste when it is already unusable.

Manufacturer: Shelly Europe Ltd.

Address: 103 Cherni Vrah Blvd., 1407 Sofia, Bulgaria

Tel.: +359 2 988 7435

E-mail: support@shelly.cloud

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

Changes in contact information 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.

FCC Warning Statement

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

FCC Radiation Exposure Statement


The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.



Documents / Resources

	<p>Shelly BLU Gateway Gen3 [pdf] User Guide BLU Gateway Gen3, BLU Gateway Gen3, Gateway Gen3, Gen3</p>
---	--

References

- [!\[\]\(fd4127b9e2af37bd6ea0fa06afa8e6d8_img.jpg\) Shelly Control](#)
- [!\[\]\(3278d6283d12f18012b5aa7d40747611_img.jpg\) Welcome to Shelly Technical Documentation | Shelly Technical Documentation](#)
- [!\[\]\(bb96b32142ec45f72f12316beae3ef61_img.jpg\) Welcome to Shelly Technical Documentation | Shelly Technical Documentation](#)
- [!\[\]\(a75d0d7d1ac0ea815a0c027a77b137d5_img.jpg\) Welcome to Shelly Technical Documentation | Shelly Technical Documentation](#)
- [!\[\]\(adab168ecea4e2ae40993afba3fcd26e_img.jpg\) Shelly Smart Control Guide](#)
- [!\[\]\(e95ea1a0e297340f96c3d715d76d8c23_img.jpg\) Gen3 devices](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.