



Knowledge Base / Devices / Shelly BLE devices

## ShellyBLU Gateway



### Device identification

- Device name: **ShellyBLU Gateway**
- Device model: **GWF-KZ01**
- Firmware model ID: **SNGW-BT01**
- Device SSID: **ShellyBluGw-XXXXXXXXXXXX**

### Short description

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

### Main applications

- Residential
- MDU (Multi Dwelling Units - apartments, condominiums, hotels, etc.)
- Light commercial (small office buildings, small retail/restaurant/gas station, etc.)



- Government/municipal
- University/college

USB Type-A Plug

## Connectivity

- Wi-Fi
- Bluetooth

## User interface

### Inputs

- One (Reset) button
  - Press and hold for 5 seconds to enable Device access point and Bluetooth connection.
  - Press and hold for 10 seconds to factory reset the Device.

### Outputs

- 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.

Specifications



Type	Value
Physical	
Size (HxWxD):	45x20x8 mm / 1.77x0.79x0.21 in
Weight:	5 g / 0.18 oz
Material:	Plastic
Color:	White
Environmental	
Ambient temperature:	-20 °C to 40 °C / -5 °F to 105 °F
Humidity	30 % to 70 % RH
Electrical	
Power supply:	5 VDC (from USB Type-A port)
Power consumption:	< 1 W
Radio	
RF band:	2400 - 2495 MHz
Max. RF power:	<20 dBm
Wi-Fi protocol:	802.11 b/g/n
Wi-Fi Range:	Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)
Bluetooth Protocol:	4.2

Bluetooth Range:	Up to 20 m / 66 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
<b>MCU</b>	
CPU:	ESP32
Flash:	4 MB
<b>Firmware capabilities</b>	
Scripting:	Yes
MQTT:	Yes
CoAP:	No

## Troubleshooting

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## Components and APIs

- [This device](#)
- [All Shelly devices and services](#)

## Compliance

- [Shelly BLU Gateway multilingual EU declaration of conformity.pdf](#)
- [Shelly BLU Gateway UK PSTI ACT Statement of compliance.pdf](#)

## Printed user guide

- [Shelly BLU Gateway multilingual printed user and safety guide.pdf](#)

## Installation guides



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