

Shelly BLU Gateway



Device identification

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

- Device SSID: **ShellyBluGw-XXXXXXXXXXXX**



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)
MCU	
CPU:	ESP32
Flash:	4 MB
Firmware capabilities	
Scripting:	Yes
MQTT:	Yes