

Shelly Blu Button Tough 1 Zb



Device identification

- Device name: Shelly BLU Button Tough 1 ZB
- Device model: SBBT-102C
- Device Bluetooth ID: 0x0017

Short description

Shelly BLU Button Tough 1 ZB (the Device) is a smart shock, water, and dust-resistant Bluetooth and Zigbee button of a compact size. It features a long battery life, supports multi-click and strong encryption.

Main features

- Long battery life
- Shock, water, and dust-resistant
- Supports multi-click
- Compact size, portability, and ease of use
- Strong encryption

Use cases

- **Lighting control:** Assign a button to control specific lighting scenes or individual smart lights. For example, a single press could turn on/off the lights, while a long-term press could dim or brighten them.
- **Garage door opener:** Use the strong encryption of Shelly BLU Button Tough 1 and control your smart garage door opener as you approach or leave your garage.
- **Smart blinds or curtains:** Open or close motorized blinds or curtain at the touch of a button.
- **Location-based automation:** Set the device in Beacon mode so that to trigger specific actions when you come within Bluetooth range. Use the button for presence control, for example to keep lights on while you need to spend some time in a certain area.

Connectivity

- Bluetooth
- Zigbee

User interface

Inputs

- One push button
 - To enter Bluetooth pairing mode:
 - Press the button quickly 4 times. The Device will produce a short sound indicating pairing mode
 - To enter Zigbee pairing mode:
 - Press the button quickly 5 times and the Device enters Zigbee commissioning mode for one minute indicating with different sound.
 - Factory reset
 - Press and hold the button for 30 sec to factory reset (possible only shortly after inserting the battery).

Schaltplan

| Quantity | Value |
|------------------------------|---|
| Physical | |
| Size (HxWxD): | 42x42x13 mm / 1.65x1.65x0.51 in |
| Weight: | 15 g / 0.53 oz |
| Shell material: | Plastic |
| Shell color: | <ul style="list-style-type: none">• Black: C-0%; M-0%; Y-0%; K-100%• Mocha: C-0%; M-12%; Y-28%; K-12%• Ivory: C-3%; M-4%; Y-14%; K-8% |
| Environmental | |
| Ambient working temperature: | -20 °C to 60 °C / -5 °F to 140 °F |
| Humidity: | 0% to 90% RH |
| Electrical | |
| Power supply: | 1x 3 V battery (included) |
| Battery type: | CR2032 |

| | |
|------------------------------|--|
| Estimated battery life: | Up to 2 years |
| Bluetooth | |
| Protocol: | 5 (LE) |
| RF band: | 2402 - 2480 MHz |
| Max. RF power: | < 8 dBm |
| Range: | Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions) |
| Zigbee | |
| Protocols: | 802.15.4 |
| RF bands: | 2405 to 2480 MHz |
| Max. RF power: | < 8 dBm |
| Range: | Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions) |
| Microcontroller unit | |
| CPU: | EFR32MG27 |
| Flash: | 768 kB |
| Firmware capabilities | |
| Schedules: | No |
| Webhooks (URL actions): | No |
| Scripting: | No |
| MQTT: | No |
| Encryption: | Yes |

| | |
|-------------------|--|
| Other | |
| Supported Devices | <ul style="list-style-type: none">• Shelly Plus / Gen3 / Gen4 series• Shelly Pro series |

Components and APIs

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

Compliance and certification

[Shelly BLU Button Tough 1 ZB multilingual EU declaration of conformity 2025-12-05 1.pdf](#)

[Shelly BLU Button Tough 1 ZB UK PSTI ACT statement of compliance 2025-12-05.pdf](#)

[Shelly BLU Button Tough 1 ZB UKCA declaration of conformity 2025-12-05.pdf](#)

Printed user guide

[Shelly BLU Button Tough 1 ZB multilingual printed user and safety guide.pdf](#)

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