

**Shelly**

BLU Bluetooth  
Tough 1 Button



## Shelly BLU Bluetooth Tough 1 Button User Guide

[Home](#) » [Shelly](#) » Shelly BLU Bluetooth Tough 1 Button User Guide 

### Contents

- [1 Shelly BLU Bluetooth Tough 1 Button](#)
- [2 Product Description](#)
- [3 Specifications](#)
- [4 Troubleshooting](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)
- [6 Related Posts](#)

**Shelly**

### Shelly BLU Bluetooth Tough 1 Button



## User and safety guide Shelly BLU Button Tough 1

### Four actions Bluetooth button

## 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. ⚠ WARNING!

**INGESTION HAZARD:** This product contains a button cell or coin battery.

- DEATH of serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- KEEP new and used batteries OUT OF REACH of CHILDREN.
- Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.

⚠ **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!** Use the Device only with batteries that comply with all applicable regulations. Using inappropriate batteries can cause damage to the Device and fire. ⚠ **CAUTION!** Make sure the battery's + and – signs correspond to the marks on the Device battery compartment. ⚠ **WARNING!** Keep your battery-powered device away from children. Swallowing batteries can cause serious injury or death. ⚠ **CAUTION!** Batteries can emit hazardous compounds or cause fire if not disposed of properly. Take the exhausted battery to your local recycling point.

## Product Description

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

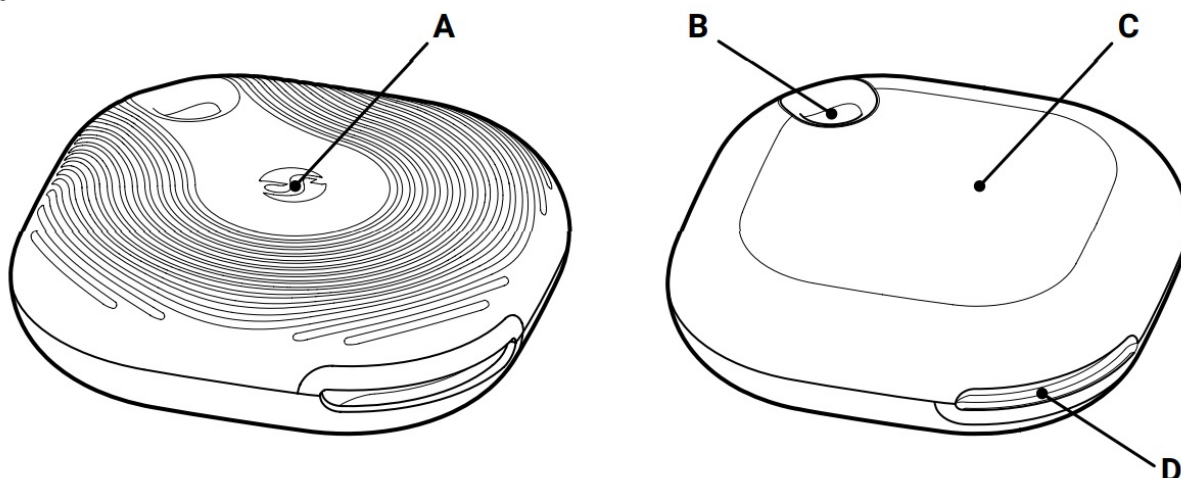
## Using Shelly BLU Button Tough 1

The Device comes ready to use with the battery installed. However, if pressing the control button does not make the device start emitting signals, you might need to insert a new battery. For more details, see section Replacing the battery. Pressing the button will cause the Device to start transmitting signals for one second in compliance with the BT Home format.

Learn more at <https://bthome.io/Shelly> BLU Button Tough 1 supports multi-click – single, double, triple, and long press. The buzzer will emit the same number of beeps as the button presses. To pair Shelly BLU Button Tough 1 with another Bluetooth device press and hold the control button for 10 sec. The Device will await connection for the next minute. The available Bluetooth characteristics are described in the official Shelly API documentation at <https://shelly.link/ble> Shelly BLU Button Tough 1 features beacon mode. If enabled, the Device will emit beacons every second and can be discovered or used for presence detection.

- This mode also allows remote activating of the Device buzzer for 30 seconds (e.g. to find a lost Device nearby). Shelly BLU Button Tough 1 has an advanced security feature and supports encrypted mode.
- To restore the device configuration to factory settings, press and hold the control button for 30 seconds shortly after inserting the battery.

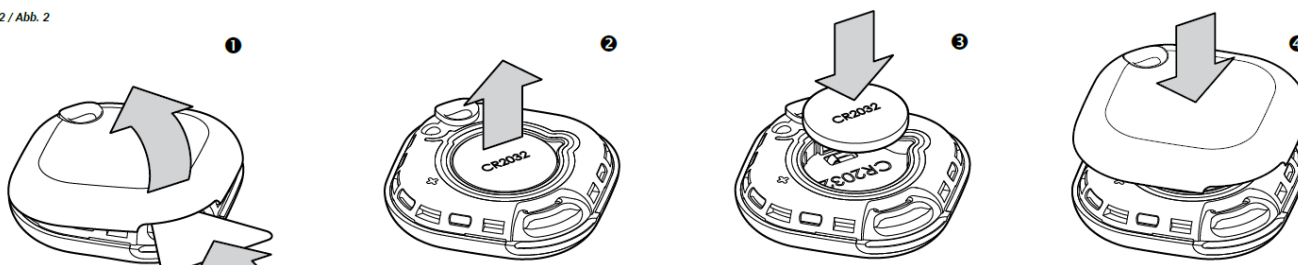
**Fig.1 / Abb.1**



- A: Control button
- B: Key ring bracket
- C: Back cover
- D: Opening slot and buzzer outlet

## Replacing the battery Fig. 2

**Fig. 2 / Abb. 2**



1. Open gently the back cover using a plastic opening pick (or a credit card) as shown in Fig. 2.
2. Remove the exhausted battery.
3. Insert a new battery.
4. Replace the back cover, pressing it against the main body of the device so that there is no gap between them.

## Specifications

- **Size (HxWxD):** 42x42x13 mm / 1.65x1.65x0.51 in
- **Weight:** 15 g / 0.53 oz
- **Shell material:** Plastic

**Shell color:**

- Black
- Mocha
- Ivory
- **Ambient working temperature:** -20 °C to 60 °C / -5 °F to 140 °F
- **Humidity:** 0% to 90% RH
- **Protection class:** IP54
- **Power supply:** 1x 3 V battery (included)
- **Battery type:** CR2032
- **Estimated battery life:** Up to 2 years
- **Protocol:** Bluetooth 4.2
- **RF band:** 2400 – 2483.5 MHz
- **Max. RF power:** < 4 dBm
- **Range:** Up to 30 m / 100 ft outdoors, up to 10 m / 33 ft indoors (depending on local conditions)
- **Encryption:** AES (CCM 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/app-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 that support Bthe THome protocol. For more information visit <http://bthome.io>.

## Troubleshooting

In case you encounter problems with the installation or operation of the Device, check its knowledge base page: [https://shelly.link/blu\\_button\\_tough\\_1](https://shelly.link/blu_button_tough_1)

## Declaration of conformity

Hereby, Shelly Europe Ltd. (former Allterco Robotics EOOD) declares that the radio equipment type Shelly BLU Button Tough 1 complies with Directive 2014/53/EU, 2014/35/ EU, 2014/30/EU, 2011/65/EU. The full text of the EUDeclaration of Conformity is available at the following internet address:

- [https://shelly.link/blu\\_button\\_tough\\_1\\_DoC](https://shelly.link/blu_button_tough_1_DoC)
- Manufacturer: Shelly Europe Ltd.
- Address: 103 Cherni Vrah Blvd., 1407 Sofia, Bulgaria
- Tel.: +359 2 988 7435
- E-mail: [support@shelly.cloud](mailto: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.

For the UP PSTI Act Statement of Compliance scan the QR code.



## Documents / Resources

	<a href="#">Shelly BLU Bluetooth Tough 1 Button</a> [pdf] User Guide BLU Bluetooth Tough 1 Button, Bluetooth Tough 1 Button, Tough 1 Button, Button
---	--

## References

- [🌐 Shelly Control](#)
- [🔗 Shelly Smart Control Guide](#)
- [🔗 Shelly BLE 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.