

User and safety guide

Shelly 1 Gen4 ANZ

Smart switch with potential-free contacts
Referred to in this document as "the Device"

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! Risk of electric shock. Installation of the Device to the power grid must be performed carefully by a qualified electrician.

⚠ WARNING! Before installing the Device, turn the circuit breakers off. Use a suitable test device to make sure there is no voltage on the wires you want to connect. When you are sure that there is no voltage, proceed to the installation.

⚠ WARNING! Before making any changes to the connections, ensure there is no voltage present at the Device terminals.

⚠ CAUTION! Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.

⚠ CAUTION! The Device and the appliances connected to it, must be secured by a cable protection switch in accordance with EN60898-1 (tripping characteristic B or C, max. 16 A rated current, min. 6 kA interrupting rating, energy limiting class 3).

⚠ 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.

⚠ CAUTION! Do not allow children to play with the buttons/switches connected to the Device. Keep the devices (mobile phones, tablets, PCs) for remote control of Shelly away from children.

Product description

Shelly 1 Gen4 ANZ is a Matter-compatible smart switch with potential-free contacts. Equipped with a multi-protocol wireless MCU, it supports Zigbee and Bluetooth connectivity for a secure connection. The Device operates on AC power. Its small form factor allows retrofitting into standard electrical wall boxes, behind power sockets, light switches, or other places with limited space.

The Device has an embedded web interface to monitor, control, and adjust its settings. 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 accessed from 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.

Wiring diagram

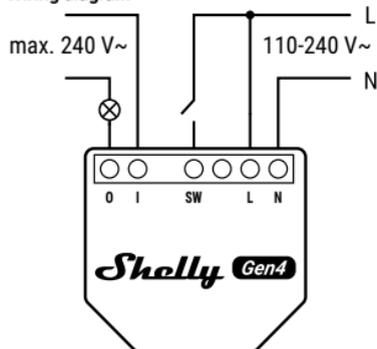


Fig. 1. 110-240 V~ power supply

Legend

Device terminals

- **O**: Load circuit output terminal
- **I**: Load circuit input terminal
- **SW**: Switch input terminal (controlling O)
- **L**: Live terminal (110-240 V~)
- **N**: Neutral terminal

Wires

- **L**: Live wire (110-240 V~)
- **N**: Neutral wire

Installation instructions

- ⓘ** We recommend connecting the Device using single-core wires or stranded wires with ferrules and insulation with increased heat resistance, not less than PVC T105°C (221°F).
- ⓘ** Do not use buttons or switches with built-in LED or neon

glow lamps.

ⓘ For security reasons, after you successfully connect the Device to the local Wi-Fi network, we recommend that you disable or password-protect the Device AP (Access Point).

ⓘ To enable the access point and the Bluetooth connection of the Device, press and hold the Reset/control button for 5 seconds.

ⓘ To perform a factory reset of the Device, press and hold the Reset/control button for 10 seconds.

1. Connect the load circuit to the the I and O terminals of the Device.
2. Connect the Live wire to the L terminal and the Neutral wire to the N terminal.
3. Connect a switch or a button to the SW terminal of the Device and the Live wire.



Shelly Smart Control

The Device can be monitored, controlled, and set up via Shelly Smart Control. You can access the service through the Shelly Smart Control app or a web browser at <https://control.shelly.cloud>

The Shelly Smart Control is optional. This Device can be used standalone or with other home automation platforms.

For instructions on how to add the Device to the Shelly Smart Control and control it from the mobile app, refer to: <https://shelly.link/app-guide>

Setting up with Matter

Before you start, make sure you have:

- 2.4 GHz Wi-Fi network.
 - A Matter controller connected to the same network.
1. Scan the Matter QR code provided with the Device.
 2. Follow the instructions on your mobile device.

Setting up with Zigbee

Before you start, make sure you have a Zigbee coordinator connected to the internet.

1. Switch from Wi-Fi (Matter) to Zigbee connectivity by pressing quickly 5 times the Reset button. The Device enters Zigbee inclusion mode for 2 minutes.
2. Add the Device following the instructions of your Zigbee

home automation system.

① If Zigbee inclusion mode expires, press the Reset button 3 times.

② While in Zigbee mode, if you need to use the Device with Wi-Fi again, hold the Reset button for 5 seconds to activate its access point.

③ Receiving an update disables switching connectivity with the buttons. You can find how to switch connectivity in the Device's web interface settings.

Specifications

Physical

- Size (HxWxD): 37x42x16 mm / 1.46x1.65x0.63 in
- Weight: 26 g / 0.92 oz
- Screw terminals max torque: 0.4 Nm / 3.5 lbin
- Conductor cross section: 0.2 to 2.5 mm² / 24 to 14 AWG (solid, stranded, and bootlace ferrules)
- Conductor stripped length: 6 to 7 mm / 0.24 to 0.28 in
- Shell color: Blue

Environmental

- Ambient working temperature: -20°C to 40°C / -5°F to 105°F
- Humidity: 30% to 70% RH
- Max. altitude: 2000 m / 6562 ft

Electrical

- Power supply: 110-240 V~ 50/60 Hz
- Power consumption: < 1.2 W

Output circuits ratings

- Max. switching voltage: 240 V~
- Max. switching current: 16 A

Wi-Fi

- Protocol: 802.11 b/g/n/ax
- RF band: 2401–2483 MHz
- Max. RF power: < 20 dBm

Bluetooth

- Protocol: 5
- RF band: 2402–2480 MHz
- Max. RF power: < 4 dBm

Zigbee

- Protocol: 802.15.4
- RF bands: 2405 to 2480 MHz
- Max. RF power: < 20 dBm

Troubleshooting

In case you encounter problems with the installation or operation of the Device, check its knowledge base page: https://shelly.link/1_gen4_anz

Disposal and recycling

Do not dispose of the product in household waste. Recycle the product to avoid environmental and health damage and promote resource conservation. Dispose of the product at a suitable waste collection point at your own risk. Resellers from whom the equipment was purchased are obliged to include waste electrical and electronic equipment (WEEE) free of charge for proper disposal.

Some electronic products may store personal information. The user is responsible for erasing this data before disposing of the device. To erase, reset the device to its factory settings.

Declaration of Conformity

Hereby, Shelly Europe Ltd. declares that the radio equipment type Shelly 1 Gen4 ANZ is in compliance with Directive 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: https://shelly.link/1_gen4_anz_DoC

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