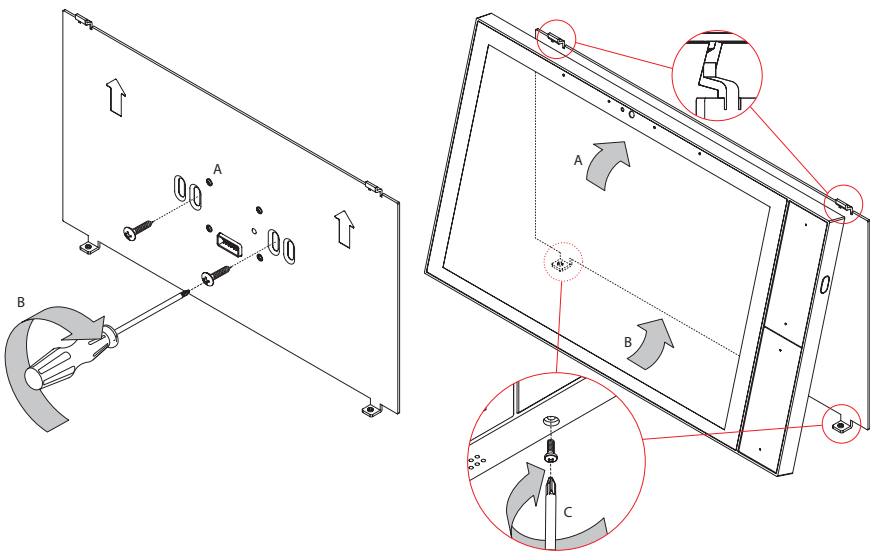
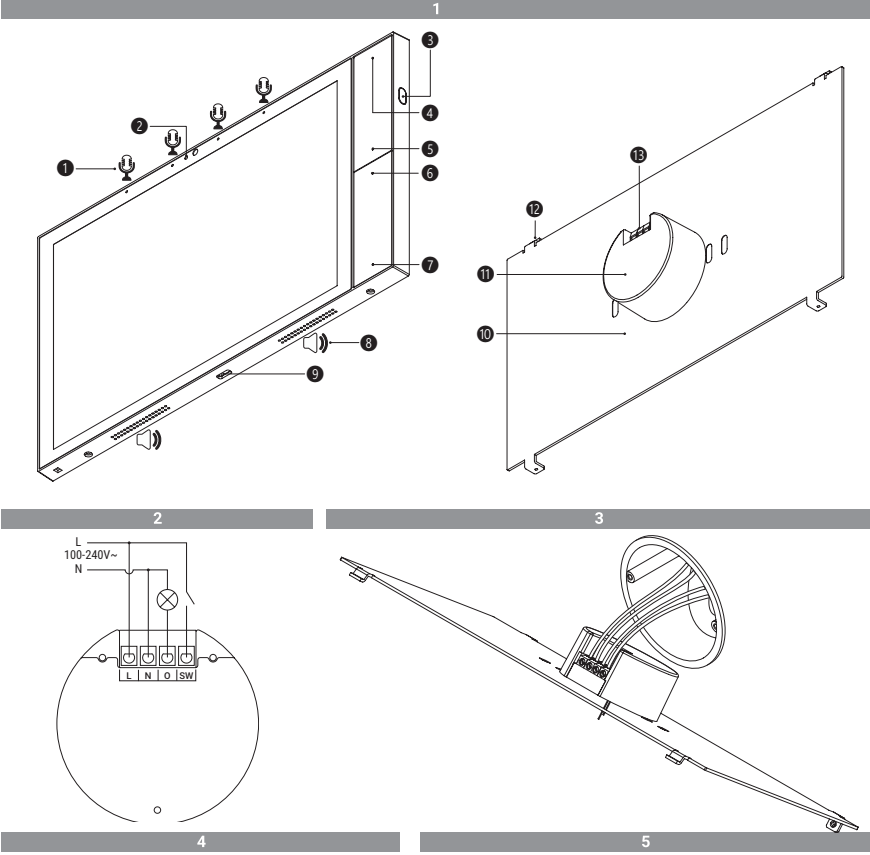




English

Device overview

- 1. Four-microphone line array
- 2. Light sensor
- 3. Power button
- 4. Volume Up button
- 5. Volume Down button
- 6. Relay On button
- 7. Relay Off button
- 8. 2 × 4 Ω, 2 W speakers
- 9. USB Type-C port with OTG support
- 10. Mounting plate
- 11. Power module
- 12. Mounting hinges x 2
- 13. Screw terminals x 4

Wiring diagram

Fig. 2

Legend

Device terminals

- SW: Switch input terminal
- O: Output terminal
- N: Neutral terminal
- L: Live terminal (100-240 V~ 50/60 Hz)

Wires

- N: Neutral wire
- L: Live wire (100-240 V~ 50/60 Hz)

- USB Type-C Power supply: 5 V ~ / 3 A
- Power Button: 1 button for turning the screen On/Off
- Output circuits ratings**
 - Max. switching voltage: 240 V~
 - Max. switching current: 5 A
- Sensors, meters**
 - Light sensor: Yes
 - Microphone: Yes (four-microphone line array)
 - G-sensor: Yes
 - Proximity sensor: Yes (≤1 meter)
- Radio**
 - Wi-Fi**
 - Protocol: Wi-Fi 6 Dual Band
 - RF band: 2.4 & 5 GHz
 - Max. RF power: < 20 dBm
 - Range: Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)
 - Bluetooth**
 - Protocol: 5.4
 - RF band: 2402-2480 MHz
 - Max. RF power: < 4 dBm
 - Range: Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
- Microcontroller unit**
 - CPU: Rockchip RK3566 Quad core Cortex-A55
 - RAM: 2 GB
 - Flash: 16 GB
 - Operating system: Android 11
- Firmware capabilities**
 - Schedules: 20
 - Webhooks (URL actions): 20 with 5 URLs per hook
 - BLE Gateway: Yes
 - Scripting: No
 - MQTT: Yes

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 prerequisites for the Device to function properly. This Device can be used stand-alone or with various other home automation platforms.

Troubleshooting

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

FCC Notes

The Device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF exposure statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. It should be installed and operated with minimum distance 20 cm / 0.65 ft between the radiator & your body. Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Declaration of Conformity

Hereby, Shelly Europe Ltd. declares that the radio equipment type Shelly Wall Display XL 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/wall_display_xl_DoC

Disposal and recycling

 Do not dispose of the product in household waste. Recycle the product to prevent environmental and health damage and to promote resource conservation. Dispose of the product at an appropriate waste collection point at your own responsibility.

Resellers, from which the Device was purchased are required to accept Waste Electrical and Electronic Equipment (WEEE) free of charge for proper disposal.

Some electronic products may store personal data. The user is responsible for deleting this data before disposing of the Device. For deletion reset the Device to its factory settings.

Manufacturer: Shelly Vrah Blvd.
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Tel.: +359 2 988 7435
E-mail: 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 UK PSTI Act Statement of Compliance scan the QR code



English

User and safety guide

Shelly Wall Display XL

Smart home control panel

Referred to in this document as "the Device"

-  This sign indicates safety information.
-  This sign indicates an important note.

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.

The latest version of the documentation is available at the following address: https://shelly.link/wall_display_xl

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

 **CAUTION!** Connect the Device only to a power grid and appliances that comply with all applicable regulations. A short circuit in the power grid or any appliance connected to the Device can cause fire, property damage, and electric shock.

 **CAUTION!** Do not connect the Device to appliances that exceed the specified maximum electric load.

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

 **CAUTION!** The Device must be secured by a cable protection switch in accordance with EN60898-1 (tripping characteristic B or C, max. 16A rated current, min. 6kA 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.

 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. 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 updates in a timely manner.

Product description

Shelly Wall Display XL is a smart home control panel with a 10.1" color display and load circuit switching functionality. The Device has an embedded web interface to monitor, control, and adjust its settings. You can open the web interface by entering the Device's IP address into your browser when accessed from the same network the Device is connected to. 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>.

Installation instructions

 **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.

 To connect the Device, we recommend using solid single-core wires or stranded wires with ferrules. The wires should have insulation with increased heat resistance, not less than PVC T105°C (221°F).

 When connecting wires to the Device terminals, consider the specified conductor cross section and stripped length. Do not connect multiple wires into a single terminal.

1. Connect the wires to the power module as shown in Fig. 3 by following the wiring diagram (Fig. 2):

- a. Connect the Live wire to the L terminal
- b. Connect the Neutral wire to the N terminal.
- c. Connect the load to the Output terminal O and the Neutral wire.

- d. Connect a switch or a button to the SW terminal and the Live wire.

2. Install the power module (Fig 4):
 - a. Insert the power module with the wires in the wall box.

- b. Fix the module to the wall box with two screws.

3. Install the display module (Fig. 5):

- a. Hang the upper part of the display onto the hinges of the mounting plate as shown in Fig. 5.

- b. Press the lower part of the display against the mounting plate until it clicks into place.

- c. Secure the display by fastening the two supplied screws into the holes on the lower part of the display.

4. Turn the circuit breakers back on.

 Alternatively, you can power the Device through its USB Type-C port. Note that if the Device is powered through USB, you cannot use its switching circuit functionality.

 The USB port cannot supply power or charge other devices.

Specifications

Physical

- Size (HxVxD): 155,8x272,5x38,3 mm / 6.13x10.7x1.50 inch
- Weight: 920 g / 32.45 oz
- Touch screen: 5-point capacity screen, G+FF touch
- 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: 15 mm / 0.24 to 0.59 inch
- Mounting: Wall box
- Shell material: Metal stamping, PC with coating, glass
- Connector's color: Black
- Speaker: 2x 2 W (BOX sound cavity)
- USB port: Type-C

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: 100-240 V~ 50/60Hz
- Power consumption: < 15 W