




Shelly Wave i4 Z-Wave 4 Digital Inputs Controller User Guide

[Home](#) » [Shelly](#) » Shelly Wave i4 Z-Wave 4 Digital Inputs Controller User Guide 

Shelly Wave i4 Z-Wave 4 Digital Inputs Controller



Contents

- 1 [LEGEND](#)
- 2 [USER AND SAFETY GUIDE](#)
- 3 [TERMINOLOGY](#)
- 4 [ABOUT SHELLY QUBINO](#)
- 5 [ABOUT THE DEVICE](#)
- 6 [INSTALLATION INSTRUCTIONS](#)
- 7 [SPECIFICATIONS](#)
- 8 [OPERATIONAL INSTRUCTIONS](#)
- 9 [IMPORTANT DISCLAIMER](#)
- 10 [DECLARATION OF CONFORMITY](#)
- 11 [CUSTOMER SUPPORT](#)
- 12 [Documents / Resources](#)
 - 12.1 [References](#)

LEGEND

Device terminals:

- N: Neutral terminal
- L: Live terminal (110–240 V AC)
- SW1: Switch/push-button input terminal

- SW2: Switch/push-button input terminal
- SW3: Switch/push-button input terminal
- SW4: Switch/push-button input terminal

Wires:

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

Button:

- S: S button (Fig. 3)



*Fig.3/
Abb.3/
Imagen 3/
Image 3*

USER AND SAFETY GUIDE

Z-Wave™ 4 digital inputs controller

READ BEFORE USE

This document contains important technical and safety information about the Device, its safe use and installation.



CAUTION! Before beginning the installation, please read carefully and entirely this guide and any other documents accompanying the Device. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of law or refusal of legal and/or commercial guarantee (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 of following the user and safety instructions in this guide.

TERMINOLOGY

Gateway – A Z-Wave™ gateway, also referred to as a Z-Wave™ controller, Z-Wave™ main controller, Z-Wave™ primary controller, or Z-Wave™ hub, etc., is a device that serves as a central hub for a Z-Wave™ smart home network. The term “**gateway**” is used in this document.

S button – The Z-Wave™ Service button, which is located on Z-Wave™ devices and is used for various functions such as inclusion (adding), exclusion (removing), and resetting the device to its factory default settings. The term “**S button**” is used in this document.

Device – In this document, the term “**Device**” is used to refer to the Shelly Qubino device that is a subject of this guide.

ABOUT SHELLY QUBINO

Shelly Qubino is a line of innovative microprocessor-managed devices, which allow remote control of electric circuits with a smartphone, tablet, PC, or home automation system. They work on Z-Wave™ wireless communication protocol, using a gateway, which is required for the configuration of devices. When the gateway is connected to the internet, you can control Shelly Qubino devices remotely from anywhere. Shelly Qubino devices can be operated in any Z-Wave™ network with other Z-Wave™ certified devices from other manufacturers. All mains operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. Devices are designed to work with older generations of Z-Wave™ devices and gateways.

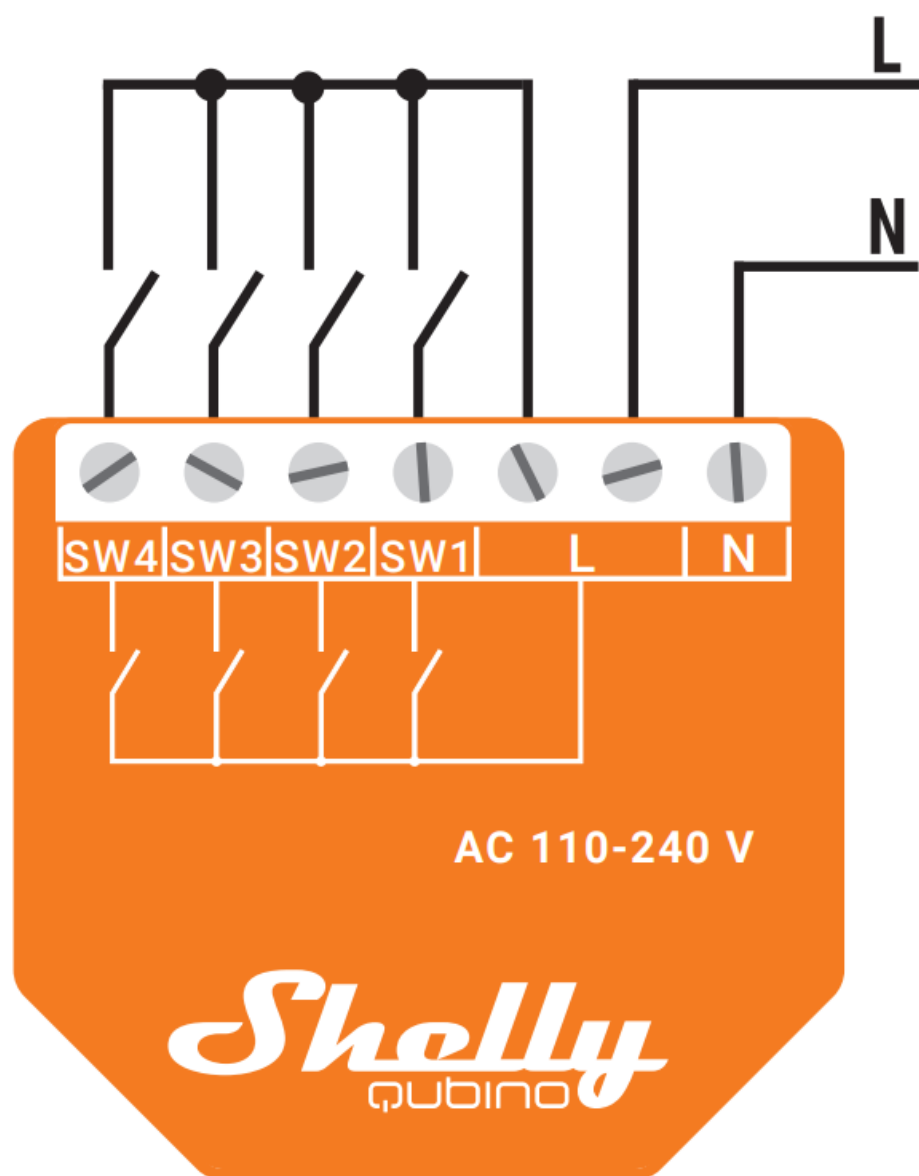
ABOUT THE DEVICE

The Device is a 4-digital inputs module (110-240 V AC) that controls other devices within the Z-Wave network. It enables manual activation or deactivation of scenes with a switch/ push-button.

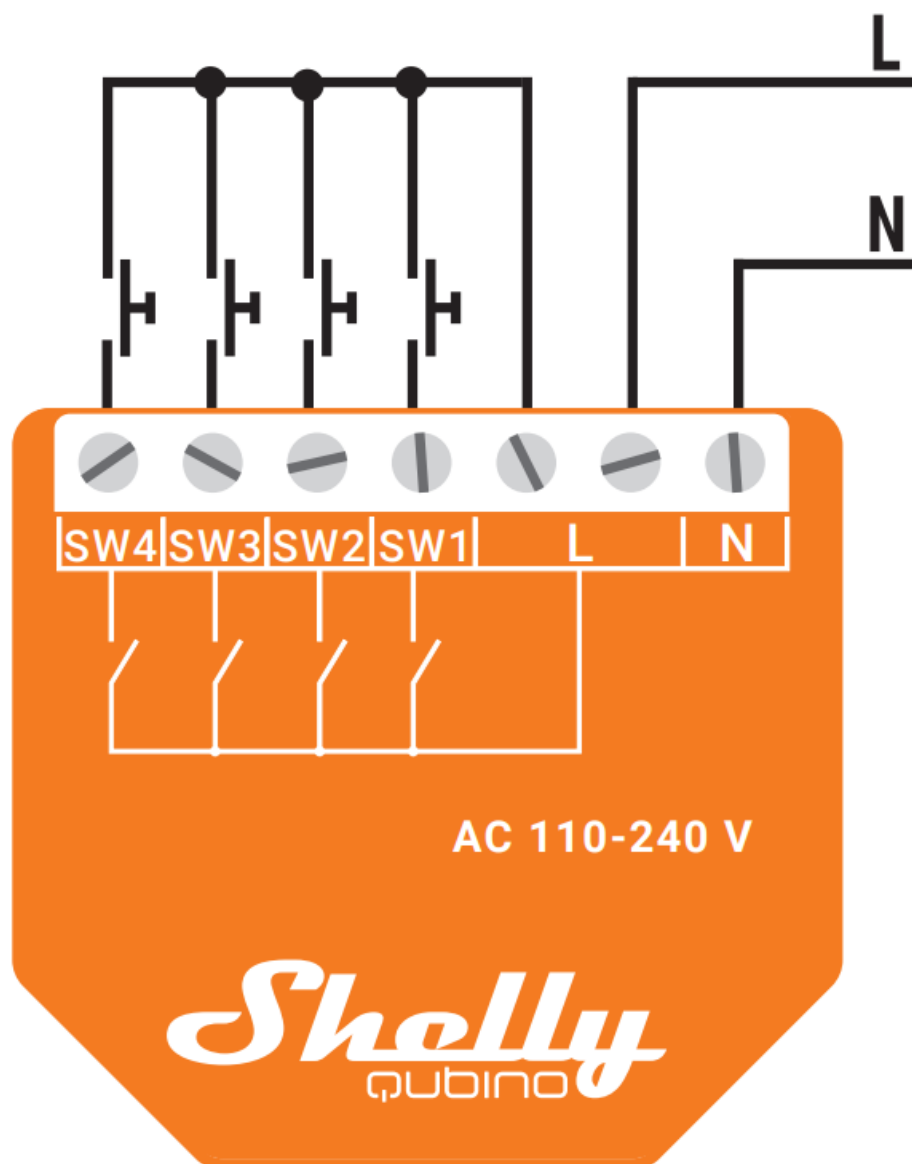
INSTALLATION INSTRUCTIONS

The Device can be retrofitted into a standard in-wall console, behind switches or other places with limited space.

For the installation instructions, refer to the wiring schemes (Fig. 1-2) in this user guide.



*Fig.1/
Abb.1/
Imagen 1/
Image 1*



*Fig.2/
Abb.2/
Imagen 2/
Image 2*

CAUTION! Danger of electrocution. Mounting/installation of the Device to the power grid has to be performed with caution, by a qualified electrician.

WARNING! Danger of electrocution. Every change in the connections has to be done after ensuring there is no voltage present at the Device terminals.

CAUTION! Do not open the Device. It does not contain any parts that can be maintained by the user. For safety and licensing reasons, unauthorized change and/or modification of the Device is not permitted.

CAUTION! Use the Device only with 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 may damage it.

CAUTION! Do not shorten the antenna.

RECOMMENDATION: Place the antenna as far away as possible from metal elements as they can cause signal interference.

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



CAUTION! Do not install the Device where it can get wet.



CAUTION! Do not use the Device if it has been damaged!



CAUTION! Do not attempt to service or repair the Device yourself!



RECOMMENDATION: Connect the Device using solid single-core cables or stranded cables with ferrules.



CAUTION! Before starting the mounting/installation of the Device, check that the breakers are turned off and there is no voltage on their terminals. This can be done with a mains voltage tester or multimeter. When you are sure that there is no voltage, you can proceed to connecting the wires.



CAUTION! Do not insert multiple wires in a single terminal.



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

EXTENDED USER GUIDE

For more detailed installation instructions, use cases, and comprehensive guidance on adding/removing the Device to/from a Z-Wave™ network, factory reset, LED signalization, Z-Wave™ command classes, parameters, and much more, refer to the extended user guide at: <https://shelly.link/Wavei4-KB>



SPECIFICATIONS

Power supply AC	110-240 V, 50/60 Hz
Power supply DC	No
Power consumption	< 0.2 W
Overload protection	No
Power measurement (W)	No
Working without a neutral line	No

Number of inputs	4
Distance	up to 40 m indoors (131 ft.) (depends on local condition)
Z-Wave™ repeater	Yes
CPU	Z-Wave™ S800
Z-Wave™ frequency bands	868,4 MHz; 865,2 MHz; 869,0 MHz; 921,4 MHz; 908,4 MHz; 916 MHz; 919,8 MHz; 922,5 MHz; 919,7-921,7-923,7 MHz; 868,1 MHz; 920,9 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Size (H x W x D)	37x42x16 ±0.5 mm / 1.46x1.65x0.63 ±0.02 in
Weight	17 g / 0.6 oz
Mounting	Wall console
Screw terminals max. torque	0.4 Nm / 3.5 lbin
Conductor cross section	0.5 to 1.5 mm ² / 20 to 16 AWG
Conductor stripped length	5 to 6 mm / 0.20 to 0.24 in
Shell material	Plastic
Color	Orange
Ambient temperature	-20°C to 40°C / -5°F to 105°F
Humidity	30 % to 70 % RH

OPERATIONAL INSTRUCTIONS

If the SW is configured as a switch (default), each toggle of the switch will trigger the predefined scene.

If the SW is configured as a push-button in the Device settings, each press of the push-button will trigger the predefined scene.

IMPORTANT DISCLAIMER

Z-Wave™ wireless communication may not always be 100% reliable. This Device should not be used in situations in which life and/or valuables are solely dependent on its functioning. If the Device is not recognized by your gateway or appears incorrectly, you may need to change the Device type manually and ensure that your gateway supports Z-Wave Plus™ multi-channel devices.

ORDERING CODE: **QNSN-0A24XXX**

XX – Values define product version per region

DECLARATION OF CONFORMITY

Hereby, Shelly Europe Ltd. (former Allterco Robotics EOOD) declares that the radio equipment type Wave i4 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/Wavei4-DoC>

CUSTOMER SUPPORT

MANUFACTURER

Shelly Europe Ltd.

Address: 103 Cherni vrah Blvd., 1407 Sofia, Bulgaria

Tel.: +359 2 988 7435

E-mail: zwave-shelly@shelly.cloud

Support: <https://support.shelly.cloud/>

Web: <https://www.shelly.com>

Changes in the contact data are published by the Manufacturer at the official website.



Shelly

qubino

Documents / Resources



[Shelly Wave i4 Z-Wave 4 Digital Inputs Controller](#) [pdf] User Guide

Wave i4 Z-Wave 4 Digital Inputs Controller, Wave i4, Z-Wave 4 Digital Inputs Controller, Digital Inputs Controller, Inputs Controller, Controller

References

- [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.