



Zipato

RGBW BULB 2

SKU: ZIPERGBW2



Quickstart

This is a **secure Bulb** for **Europe**. To run this device please connect it to your mains power supply. To add this device to your network execute the following action:

- Toggle the wall-switch, from OFF, then to ON.
- The bulb will flash once when it has been included into the network

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law. The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material. Use equipment only for its intended purpose. Follow the disposal instructions. Do not dispose of electronic equipment or batteries in a fire or near open heat source.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.

This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.



Product Description

Zipato Bulb 2 has 5 color channels available for you to adjust: RED, GREEN, BLUE, WARM WHITE and COLD WHITE.

Zipato Bulb 2 can be used to add color to your home or just to lighten it up in any white color tone you desire. By using Zipatiles or Zipabox (or other Z-Wave controller), you can control the bulb from anywhere in the world, by using any smartphone (iOS or Android). Also, you can automatically set colors of your Zipato Bulb 2 to indicate events using the Zipato rule creator.

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state**. Please make sure to reset the device into factory default. You can do this by performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperative.

To manually reset the bulb switch it on and off 6 times for intervals of 0,5 to 2 seconds. After the 6th time, the bulb will flash twice indicating that it's successful.

Safety Warning for Mains Powered Devices

ATTENTION: only authorized technicians under consideration of the country-specific installation guidelines/norms may do works with mains power. Prior to assembly of the product, the voltage network has to be switched off and ensured against re-switching.

Installation

1. Screw the Zipato Bulb 2 into the socket
2. Activate inclusion mode on your Z-Wave controller
3. Turn ON your wall switch
4. Inclusion process will be started automatically

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs to be **added to an existing wireless network** to communicate with devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. The controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Inclusion

- Toggle the wall-switch, from OFF, then to ON.
- The bulb will flash once when it has been included into the network

Exclusion

- Toggle the wall-switch, from OFF, then to ON.
- The bulb will flash once and then dim to 5% when it has been excluded outside the network. If you want the bulb to be reincluded, you need re-power the bulb and then execute the inclusion process.

Product Usage

Zipato does not recommend the use of a line voltage dimmer with bulbs. The reason is that each bulb contains a radio and by reducing or removing power, the line voltage dimmer may cause the connected bulb to not function properly.

For dimming, Zipato recommends using a compatible Z-Wave controller and associated application (i.e., Zipato's Android or iOS application) or a compatible switch that uses the same wireless protocol as the bulb.

Quick trouble shooting

Here are a few hints for network installation if things don't work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Don't poll FLIRS devices.
6. Make sure to have enough mains powered devices to benefit from the meshing

Association - one device controls another device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are related to certain events (e.g. button pressed, sensor triggers, ...). In case the event happens all devices stored in the respective association group will receive the same wireless command. Typically a 'Basic Set' Command.

Association Groups:

Group Number	Maximum Nodes	Description
1	1	Lifeline

Configuration Parameters

Z-Wave products are supposed to work out of the box after inclusion, however certain configuration can adapt the function better to user needs or unlock features.

IMPORTANT: Controllers may only allow configuring signed values. In order to set values in the range 128 ... 255 the value sent in the application shall be value minus 256. For example: To set a parameter to 200 it may be needed to set a value of 200 minus 256 = minus 56. In case of a two byte value the same applies: Values greater than 32768 may be needed to be given as negative values too.

Parameter 1: Bulb temperature

Read only

Size: 1 Byte, Default Value:

Setting	Description
1 - 100	Value

Parameter 255: Factory default

Size: 4 Byte, Default Value: 1

Setting	Description
2290649224	Factory default

Technical Data

Dimensions	0.0600000x0.1200000x0.0600000 mm
Weight	130 gr
Hardware Platform	ZM5202
EAN	3858890733464
IP Class	IP 20
Voltage	230V
Load	9,5W
Device Type	Bulb
Firmware Version	02.00
Z-Wave Version	04.26
Certification ID	ZC10-17115890
Z-Wave Product Id	0x0131.0x0002.0x0003
Frequency	Europe - 868,4 Mhz
Maximum transmission power	5 mW

Supported Command Classes

- Basic
- Switch Multilevel
- Switch All
- Switch Color
- Association Grp Info
- Device Reset Locally
- Zwaveplus Info
- Configuration
- Manufacturer Specific
- Powerlevel
- Firmware Update Md
- Association
- Version
- Security

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network. Controllers are typically Gateways, Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network. Slaves can be sensors, actuators and even remote controls.

- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave device to announces that is able to communicate.
- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.

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