zipato®

BULB 2

QUICK INSTALLATION GUIDE
v1.3

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TAKE CARE OF YOUR SAFETY

Display extreme caution when using ladders or steps, please follow manufacturer's instructions. Be careful when using hand and power tools and follow the manufacturer's guidelines when using them. Take care that the correct tools are used. Wear goggles or protective clothing where required.

Z-WAVE PLUS

INTRODUCTION

THANK YOU FOR BUYING ZIPATO BULB 2.

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 Zipatile or Zipabox (or other Z-Wave) home 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.

SPECIFICATION

BASE	E26 | E27 | B22
VOLTAGE	rgbw2.eu is 220-240V, rgbw2.us is 120V, rgbw.eu.b is 220-240V
WIRELESS FREQUENCY	rgbwe2.eu - 868.42 MHz (EU) rgbwe2.us - 908.42MHz (US)
WIRELESS COMMUNICATION PROTOCOL	Z-Wave
POWER	9.5W
CCT(K)	2700-6500
CRI	80
BEAM ANGLE	240
PF	0.9 (rgbwe2.us), 0.7 (other models)
LUMEN	806 lm
LIFETIME (H)	25000

LINE VOLTAGE DIMMER

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

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

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

DEVICE INCLUSION

If your switch or fixture is OFF, or is turned OFF, then control and communication from controller is lost.

INCLUSION PROCEDURE

The following are the general procedures for the Zipato Bulb 2 to be included/excluded into the network:

1. Screw the Zipato Bulb 2 into the socket.
2. Turn on the bulb with your wall switch to apply power to the bulb.
   - If you're not using a wall switch, then use your alternate method to apply power to the bulb.
3. Activate inclusion mode on your Z-wave controller
   - This may also be done through your associated application,if your ecosystem has that capability.
4. Toggle the wall-switch, from OFF, then to ON.
   - Or use your alternate method to toggle power to the bulb from OFF, then to ON.
5. The bulb will flash once if it has been successfully included/ excluded into your Z-Wave network.

Note: If you are using 3rd party Z-Wave Controller or Gateway, please refer to 3rd party's instruction on how to add a new devices to your network.

Z-WAVE SPECIFICATION

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network .

SUPPORTED COMMAND CLASSES

Z-WAVE+ INFO
VERSION
MANUFACTURER SPECIFIC
DEVICE RESET LOCALLY
ASSOCIATION
ASSOCIATION GROUP INFO
POWER LEVEL
FIRMWARE UPDATE MD
SWITCH COLOR
SWITCH MULTILEVEL
CONFIGURATION
SWITCH ALL
SECURITY

DOCUMENTATION FOR ASSOCIATION COMMAND CLASS:

NUMBER OF ASSOCIATION GROUPS	1
MAXIMUM SUPPORTED NODES	1
ASSOCIATION GROUP NAME	LIFELINE

DOCUMENTATION FOR CONFIGURATION COMMAND CLASS:

- Configuration option 1 is used to get **internal bulb temperature** (read only).

CONFIGURATION NUMBER	1
SIZE	1
VALID VALUES RANGE	N/A
DEFAULT VALUE	N/A

- Configuration option 2 is used to adjust **strobe light interval**. Values range from 0 to 25 in intervals of 100 ms.

CONFIGURATION NUMBER	2
SIZE	1
VALID VALUES RANGE	0~25
DEFAULT VALUE	0

- Configuration option 3 is used to adjust **strobe light pulse count**. Values range from 0 to 120 and a special value 127 (0x7F) which sets infinite flashing.

CONFIGURATION NUMBER	3
SIZE	1
VALID VALUES RANGE	0~120 AND 127
DEFAULT VALUE	0

- Configuration option 4 is used to enable **random strobe pulse colors**. Values range are 0(turn off) or 1(turn on).

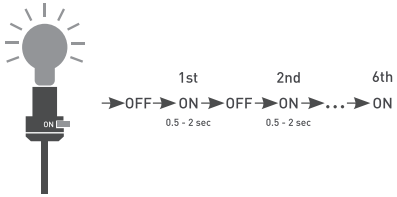
CONFIGURATION NUMBER	4
SIZE	1
VALID VALUES RANGE	0 OR 1
DEFAULT VALUE	0

- Configuration option 255 is used to **reset bulb to factory settings** (write only).

CONFIGURATION NUMBER	255
SIZE	4
VALID VALUES RANGE	0x88888888
DEFAULT VALUE	1

FACTORY RESET PROCEDURE

A factory default reset is performed when the bulb is excluded from the Z-Wave network. Please use this procedure only when the network primary controller is missing or otherwise inoperable. 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 succesfully reset.

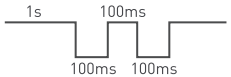


BULB MODE

To indicate its status, the bulb will flash in different modes.

FACTORY RESET MODE

The bulb will flash twice when it is powered on in reset mode or factory mode.



INCLUSION MODE

The bulb will flash once when it has been included into the network.

EXCLUSION MODE

The bulb will flash once when it has been excluded outside the network. If you want the bulb to be re-included, you need re-power the bulb, and then execute the inclusion process.

TROUBLESHOOTING

Having trouble installing your new product?
Zipato's website contains the latest user documentation and software updates for Zipato products and services:
www.zipato.com

You can also find answers in the Zipato Community at:
community.zipato.com

Zipato Support: **support@zipato.com**

LIMITED PRODUCT WARRANTY

GENERAL TERMS

Nothing in this Limited Product Warranty affects your statutory rights as a consumer. The Limited Product Warranty set forth below is given by Tri plus grupa d.o.o. (Europe) (herein referred to as "ZIPATO"). This Limited Product Warranty is only effective upon presentation of the proof of purchase. Upon further request by ZIPATO, this warranty card has to be presented, too.
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This Limited Product Warranty applies to ZIPATO branded hardware products (collectively referred to as "ZIPATO Hardware Products") sold by ZIPATO (Europe), its European subsidiaries, affiliates, authorized resellers, or country distributors (collectively referred to as "ZIPATO Resellers") with this Limited Product Warranty. The term "ZIPATO Hardware Product" is limited to the hardware components and all its internal components including firmware. The term "ZIPATO Hardware Product" DOES NOT include any software applications or programs.

GEOGRAPHICAL SCOPE OF THE LIMITED PRODUCT WARRANTY

This Limited Product Warranty is applicable to Hardware Products sold by Zipato Resellers in all countries listed at the beginning of this document under the heading "Countries in which this ZIPATO Limited Product Warranty applies". The Limited Product Warranty will be honored in any country where ZIPATO or its authorized service providers offer warranty service subject to the terms and conditions set forth in this Limited Product Warranty. However, warranty service availability and response times may vary from country to country and may also be subject to registration requirements.

LIMITATION OF PRODUCT WARRANTY

ZIPATO warrants that the products described below under normal use are free from material defects in materials and workmanship during the Limited Product Warranty Period set forth below ("Limited Product Warranty Period"), if the product is used and serviced in accordance with the user manual and other documentation provided to the purchaser at the time of purchase (or as amended from time to time). ZIPATO does not warrant that the products will operate uninterrupted or error-free or that all deficiencies, errors, defects or non-conformities will be corrected. This warranty shall not apply to problems resulting from: (a) unauthorized alterations or attachments; (b) negligence, abuse or misuse, including failure to operate the product in accordance with specifications or interface requirements; (c) improper handling; (d) failure of goods or services not obtained from ZIPATO or not subject to a then-effective ZIPATO warranty or maintenance agreement; (e) improper use or storage; or (f) fire, water, acts of God or other catastrophic events. This warranty shall also not apply to any particular product if any ZIPATO serial number has been removed or defaced in any way.

ZIPATO IS NOT RESPONSIBLE FOR DAMAGE THAT OCCURS AS A RESULT OF YOUR FAILURE TO FOLLOW THE INSTRUCTIONS FOR THE ZIPATO HARDWARE PRODUCT.

LIMITED PRODUCT WARRANTY PERIOD

The Limited Product Warranty Period starts on the date of purchase from ZIPATO. Your dated sales or delivery receipt, showing the date of purchase of the product, is your proof of the purchase date. You may be required to provide proof of purchase as a condition of receiving warranty service. You are entitled to warranty service according to the terms and conditions of this document if a repair to your ZIPATO branded hardware is required within the Limited Product Warranty Period.

(Other than in respect of products for domestic use (in particular those listed in the first and last boxes in the table below), this Limited Product Warranty extends only to the original end user purchaser of this ZIPATO Hardware Product and is not transferable to anyone who obtains ownership of the ZIPATO Hardware Product from the original end-user purchaser.

PRODUCT WARRANTY PERIOD TABLE

PRODUCT TYPE	Zipato Bulb 2
PRODUCT WARRANTY PERIOD	One (1) year

IMPORTANT
The content of "Product Type" listed above is subject to change; please refer to the **www.zipato.com** for latest update.

PERFORMANCE OF THE LIMITED PRODUCT WARRANTY

If a product defect occurs, ZIPATO's sole obligation shall be to repair or replace any defective Zipato Hardware Product free of charge provided it is returned to an Authorized ZIPATO Service Centre during the Limited Warranty Period. Such repair or replacement will be rendered by ZIPATO at an Authorized ZIPATO Service Centre. All component parts or hardware products that are replaced under this Limited Product Warranty become the property of ZIPATO. The replacement part or product takes on the remaining Limited Warranty Period of the replaced part or product. The replacement product need not be new or of an identical make, model or part; ZIPATO may in its discretion replace the defective product (or any part thereof) with any reconditioned equivalent (or superior) product in all material respects to the defective product.

WARRANTOR
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10 000 Zagreb
CROATIA

TEL +385 (0)1 4004 404
FAX +385 (0)1 4004 405

DECLARATION OF CONFORMITY

Tri plus grupa d.o.o. declares under our sole responsibility that the product:

Marketing model: Zipato Bulb 2
Regulatory model: rgbw2
Trade/Brand name: Zipato

is in conformity with the Low Voltage Directive, EMC Directive and R&TTE Directive and carries the CE marking accordingly.

Changes or modifications not expressly approved Tri plus grupa d.o.o. for compliance could void the user's authority to operate the equipment.

THIS 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.

NOTE: Changes or modifications not expressly approved by Zipato for compliance 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.

FCC RADIATION EXPOSURE STATEMENT
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

"THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS" or "NOT FOR EMERGENCY LIGHTING"

IC NOTICE TO CANADIAN USERS
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complies with Canadian ICES-003 (Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1)l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

DISPOSING AND RECYCLING YOUR PRODUCT

This symbol on the product or packaging means that according to local laws and regulations needs to be disposed of separately from household waste and sent to recycling because it contains electronic components. Once this product has reached the end of its life, please take it to a collection point (recycle facilites) designated by your local authorities, some will accept your product for free or simply drop it off at your Zipato re-seller store. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health. At Zipato, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimize this impact Zipato designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

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