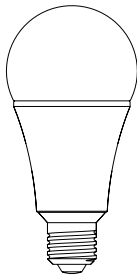


OOMI BULB

 Oomihome.com/Bulb



① Oomi by Fantem Bulb.

Oomi Bulb is a Z-Wave LED module which allows control (on/off/dim) with the use of Z-Wave.

It's a bulb has a Smart RGB LED, which can be used to add colour to your home. The bulb has 5 main colour channels available for you to adjust: Red, Green, Blue, Warm White and Cold White. You can configure its colour according to your favour.

The Bulb is also a security Z-wave device and supports the Over The Air (OTA) feature for the product's firmware upgrade.

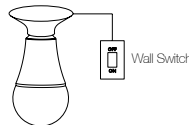
② Familiarize yourself with your Bulb.



ADDED WEIGHT OF THE DEVICE MAY CAUSE INSTABILITY OF A FREE-STANDING PORTABLE LUMINAIRE.
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS OR NOT FOR EMERGENCY LIGHTING.
SUITABLE FOR USE IN ENCLOSED LUMINAIRES.

③ Quick start.

Getting your Bulb up and running is as simple as inserting it into a lamp holder and adding it to your existing Z-Wave network. To set your Z-Wave hub into pairing mode, please refer to the respective section within your hubs instruction manual.



1. Toggle off the wall switch before you screw in Bulb and firmly screw in Bulb.
2. Set your Z-Wave hub into pairing mode.
3. Toggle off the wall switch controlling your Bulb to turn it off (keep it in the "OFF" state for 2 seconds) and then toggle on the wall switch to turn your Bulb on, the green will blink to indicate the Bulb is entering into pairing mode.
4. If Bulb has been successfully added to your Z-Wave network, its RGB LED will be solid when you turn Bulb on.

Note:

1. If your Bulb has already been added into another Z-Wave network, you'll need to remove it from the existing network first. Refer to the section below: "Removing your LED Bulb from a Z-Wave network" below.
2. To check if LED Bulb is already paired to an existing network, toggle the wall switch off and on 3 times fast (the final ending position of the wall switch must be on). If LED Bulb blinks orange for 3 seconds, it is already paired into a Z-Wave network.

With your Bulb now working as a part of your smart home, you'll be able to configure it to indicate different colours from your home control software via setting the RGB value. Please refer to the user manual for your Z-Wave hub for precise instructions on configuring your Bulb to your needs.

Manually changing Bulb's colour.

After Bulb is paired into your network, toggle the Bulb off, on, off, on in quick succession via the wall switch to enter a colour cycle (Warm white, Cold white, Red, Orange, Yellow, Green, Cyan, Blue or Purple) from which you may select from. Toggle off the bulb to select and lock the colour visible.

Note:

1. The Power Outage LED is a small red LED in the Bulb, which is used to indicate the power outage state of the Bulb. When the Bulb is switched off by the wall switch, the red Power Outage LED will light for 1.2 seconds.
2. The wall switch needs to be left in the "On" position in order for the bulb to function properly in the Z-Wave network. This functionality would include being an active repeater, repeating the Z-Wave RF commands and being controlled remotely.

Removing your Bulb from a Z-Wave network.

Your Bulb can be removed from your Z-Wave network at any time. You'll need to use your Z-Wave network's main controller. To set your Z-Wave hub into removal mode, please refer to the respective section within your hubs instruction manual.

1. Set your Z-Wave hub into device removal mode.
2. Toggle the wall switch off and on 3 times fast (the final ending position of the wall switch must be on). If successful, the Bulb will change to orange colour for 2 seconds before changing to white. If removal was unsuccessful, then Bulb will blink orange for 3 seconds before changing to red colour for 2 seconds.

④ Advanced functions.

Enabling Security Encryption.

1. Set your Z-Wave hub into pairing mode.
2. Toggle off the wall switch controlling your Bulb to turn it off (keep it in the "OFF" state for 2 seconds) and then quickly toggle on the wall switch on, off, on, off, on. The blue LED will blink to indicate the Bulb is entering into secure pairing mode.

3. If Bulb has been successfully added to your Z-Wave network, its RGB LED will be solid when you turn Bulb on.

NFC function of your Oomi Bulb.

Your Bulb has inbuilt a NFC module. In order to take full advantage of the NFC feature, the Oomi's Touch panel is needed. When you take the Touch panel near to the NFC point of Bulb, you will see light purple LED dims on and then off, at the same time, the product information is read out from Bulb via NFC communication and then displayed on the Touch panel's screen.

If your Bulb is powered on by AC power supply, it will send out a Node information frame to start the inclusion/exclusion when the Touch panel touches your Bulb. The Touch panel's screen will pop up a notification message to let you know whether the inclusion/exclusion is successful or not. If the Bulb is included into your Touch panel, you will see the Bulb icon displayed on the Touch panel.

Resetting your Bulb.

Removing Bulb from the Z-Wave network will set Bulb to factory default settings.

⑤ Technical specifications.

Model number: FT098.

Bulb holder type: E26 for USA version, E27/B22 for EU/AU version.

Max operating power: 9W.

Max brightness: 750 lumens.

Rated colour temperature: 5000K.

Useful life: 25000~30000 hours.

Operating temperature: 0°C to 40°C/32°F to 104°F.

Relative humidity: 8% to 80%.

Operating distance: Up to 492 feet/150 meters outdoors.

AC input:

Version	Input (Standby Power)	Working band
AU	230V 50Hz, Max: 0.7W	921.42MHz
BR	220V 60Hz, Max: 0.7W	921.42MHz
CN	220V 50Hz, Max: 0.7W	868.40MHz
EU	230V 50Hz, Max: 0.7W	868.42MHz
IL	230V 50Hz, Max: 0.7W	916.02MHz
IN	230V 50Hz, Max: 0.7W	865.20MHz
UK	230V 50Hz, Max: 0.7W	868.42MHz
US	120V 60Hz, Max: 0.5W	908.42MHz

⑥ Warranty.

If you are in need of any technical support during or subsequent to your products' warranty, please get in touch with our support team via <http://aeotec.com/support>. The Company you bought this product from has also guaranteed to assist you with any of your support needs, and you can also contact them for accordingly.

This guarantee made by the company who you purchased the product from includes the transfer of Aeon Labs' full warranty to that Company. They've guaranteed that they'll be able to assist you, the Customer, with all technical support and repair needs on our behalf.

Aeon Labs warrants to the original purchaser of Products, that is the Company who you have purchased from, that for the Warranty Period (as defined below), the Products will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the Products in accordance

with installation instructions and the operating manual supplied. Warranty claims must be made to the Company who you have purchased from in writing within thirty (30) days of the manifestation of a problem.

Aeon Labs' sole obligation under the foregoing warranty is, at Aeon Labs' option, to repair, replace or correct any such defect that was present at the time of delivery, or to remove the Products and to refund the purchase price to Company.

The Warranty Period begins on the date the Products is delivered and continues for 12 months. Any repairs under this warranty must be conducted by an authorized Aeon Labs service representative and under Aeon Labs' RMA policy. Any repairs conducted by unauthorized persons shall void this warranty.

Excluded from the warranty are problems due to accidents, acts of God, civil or military authority, civil disturbance, war, strikes, fires, other catastrophes, misuse, misapplication, storage damage, negligence, electrical power problems, or modification to the Products or its components.

Aeon Labs does not authorize any person or party to assume or create for it any other obligation or liability in connection with the Products except as set forth herein. Aeon Labs will pass on to Company all manufacturers' Material warranties to the extent that they are transferable, but will not independently warrant any Material. Company will assist Customer with all warranty, repair, return and technical support needs, Company must prepay shipping and transportation charges for returned Products, and insure the shipment or accept the risk of loss or damage during such shipment and transportation. Aeon Labs will ship the repaired or replacement products to Company freight prepaid. Customer and Company shall indemnify, defend, and hold Aeon Labs and Aeon Labs' affiliates,

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FCC NOTICE (for USA)

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS. DO NOT IMMERSE IN WATER. NOT FOR USE WHERE DIRECTLY EXPOSED TO WATER.

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. 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.

Warning

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.





Contact your local government for information regarding the collection systems available.

Certifications (regional):




Z-Wave and Z-Wave Plus are registered trademarks of Sigma Designs and its subsidiaries in the United States and other countries

FCC ID: XBAFT098



CONFORMS TO UL STD.1993
CERTIFIED TO CSA STD.C22.2 NO.1993-09



Intertek
4005555

⑦ Association informations.

The Bulb supports 2 association groups and can add Max 5 nodes for each group. Group 1 is assigned to the Lifeline association group.

Association Group	Nodes	Send Mode	Send commands
Group 1	0	N/A	N/A
	1	Single Cast	When the state of Smart Switch (turn on/off the load) is changed: 1. Set Configuration parameter 80 to 0:Reserved (Default). 2. Set Configuration parameter 80 to 1:Send Hail CC. 3. Set Configuration parameter 80 to 2:Send the Basic Report.
	[2,5]		
Group 2	0	N/A	N/A
	[1,5]	Single Cast	Forward the Basic Set, Switch Binary Set, Switch Multilevel Start Level Change, Switch Multilevel Stop Level Change, Switch Multilevel Set, Scene Activation Set to associated nodes in Group 2 when the Bulb receives the Basic Set, Switch Binary Set, Switch Multilevel Start Level Change, Switch Multilevel Stop Level Change, Switch Multilevel Set, Scene Activation Set commands from main controller.

5.4 Association Group Info Command Class

5.4.1 Association Group Info Report Command Class

Profile: General: NA (Profile MSB=0, Profile LSB=0)

5.4.2 Association Group Name Report Command Class

Group 1: Lifeline

Group 2: Retransmit

⑧ Configuration parameters informations.

Parameter Number Hex / Decimal	Description	Default Value	Size
0x20 (32)	Enable/disable to send out a report when the color is changed. 0=disable. 1=Hail CC. Others=ignore.	0	1
0x22 (34)	Enable/disable the function of using External Switch to turn on/off the bulb. 0=disable. 1=enable. Others=ignore.	0	1
0x22 (35)	Enable/disable the function of using External Switch to changes the bulb's color. 0=disable. 1=enable. Others=ignore.	1	1
0x50 (80)	Enable to send notifications to associated devices (Group 1) when the state of Bulb is changed (0=nothing, 1=hail CC, 2=basic CC report).	1(US version) 2(other version)	1
0xC8 (200)	Partner ID (0= Aeon Labs Standard Product).	0	1
0xFC (252)	Enable/disable Lock Configuration (0 =disable, 1 = enable). Value=0, the other configuration parameters are allowed to be configured. Value=1, the other configuration parameters are not allowed to be configured (Locked).	0	0
0xFF (255)	1, Value=0x55555555, Default=1, Size=4 Reset to factory default setting and removed from the z-wave network	N/A	4
	2, Value=0, Default=1, Size=1 Reset to factory default setting	0	1