MONOPRICE

Z Wave Plus® RGB Smart Bulb

P/N 27482

User's Manual

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INTRODUCTION

Thank you for purchasing this Z-Wave Plus® RGB Smart Bulb! This RGB Smart Bulb is an AC powered Z-Wave enabled device and is fully compatible with any Z-Wave enabled network. Z-Wave is an interoperable, two-way RF mesh networking technology used for home automation and security. Every AC powered Z-Wave device acts as a signal repeater, so multiple devices result in more possible transmission routes, which helps eliminate RF "dead spots" in the network. Any Z-Wave enabled device displaying the Z-Wave logo can be used with Z-Wave devices from other manufacturers.

This RGB Smart Bulb can be turned on an off manually, using a standard wall switch, or remotely, using a Z-Wave controller. The color and brightness can also be controlled using the Android™ or iOS® app of an associated Z-Wave controller. It screws into a standard E26 light socket and, as an AC powered Z-Wave device, will act as a Z-Wave repeater.

FEATURES

- Supports remote control
- RGB LED can be set to any of over 16 million colors
- Color and brightness can be controlled using the Android™ or iOS® app of an associated Z-Wave® controller
- Supports warm and cool white light
- Up to 600 lumens maximum brightness
- Supports 100 ~ 240 VAC, 50/60 Hz input power
- Acts as a Z-Wave repeater
- Supports Over-the-Air firmware updates

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x Z-Wave Plus® RGB Smart Bulb

1x User's Manual

INSTALLATION

Note: If you are installing a complete Z-Wave® system for the first time, please refer to the installation guide of your Z-Wave Interface Controller before installing this RGB Smart Bulb.

1. Ensure that the wall switch is in the off position.
2. Screw the RGB Smart Bulb into the light socket.
3. Put the wall switch in the on position.
4. Include the RGB Smart Bulb in your Z-Wave network by following the instructions in the *INCLUSION* section below.
5. Use the Android™ or iOS® app of an associated Z-Wave controller to adjust the color and/or brightness, as desired.

INCLUSION

This device can be included manually or using the auto-inclusion feature.

Non-Secure Inclusion

1. Ensure that the wall switch is in the off position.
2. Put your Z-Wave controller into learning mode (refer to your controller's manual for instructions).
3. Screw the RGB Smart Bulb into the light socket.

4. Put the wall switch in the on position.
5. Auto-inclusion will begin. If successful, the RGB Smart Bulb will blink blue rapidly for 5 seconds, then will illuminate steadily blue for 3 seconds. It will then remain on in the default color (warm white).

Secure Inclusion

1. Ensure that the wall switch is in the off position.
2. Screw the RGB Smart Bulb into the light socket.
3. Put your Z-Wave® controller into learning mode (refer to your controller's manual for instructions).
4. Put the wall switch in the on position.
5. Toggle the wall switch off and on rapidly 3 times. This should be accomplished within 3 seconds and should end with the switch in the on position.
6. If inclusion is successful, the RGB Smart Bulb will blink green rapidly for 5 seconds, then will illuminate steadily green for 3 seconds. It will then remain on in the default color (warm white).

EXCLUSION

1. Ensure that the wall switch is in the off position.
2. Screw the RGB Smart Bulb into the light socket.
3. Put your Z-Wave® controller into learning mode (refer to your controller's manual for instructions).
4. Put the wall switch in the on position.
5. Toggle the wall switch off and on rapidly 3 times. This should be accomplished within 3 seconds and should end with the switch in the on position.

6. If exclusion is successful, the RGB Smart Bulb will blink orange rapidly for 5 seconds, then will illuminate steadily orange for 3 seconds. It will then remain on in the default color (warm white).

ASSOCIATION

The ASSOCIATION command class allows the RGB Smart Bulb to communicate with other Z-Wave devices directly, sending a BASIC REPORT whenever its status is changed. It supports 1 association grouping and up to 5 associated nodes.

SELECTING A LIGHT COLOR

1. Ensure that the wall switch is in the off position.
2. Screw the RGB Smart Bulb into the light socket.
3. Put the wall switch in the on position.
4. Toggle the wall switch off and on rapidly 2 times. This should be accomplished within 2 seconds and should end with the switch in the on position. It will blink purple rapidly for 1 second to indicate that it is in color change mode. It will then cycle through Warm White, Cool White, Red, Green, Blue, and back to Warm White.
5. To set the color, wait until the desired color is showing, then rapidly toggle the wall switch off and on within 1 second. The light will remain the color it was at when you toggled the wall switch. Alternatively, put the wall switch in the off position for more than 2 seconds to cancel the color change operation.

Alternatively, you can use the Android™ or iOS® app of an associated Z-Wave controller to select any of the more than 16 million colors and to adjust the brightness.

ADVANCED CONFIGURATIONS

This RGB Smart Bulb supports several advanced configuration settings. The following parameters can be accessed from your Z-Wave® controller's configuration interface.

Status Memory

Parameter #: 21

Default Setting: 0

Parameter Size: 1 byte

The RGB Smart Bulb can be set to remember and restore its on/off status after a power outage.

0 = The RGB Smart Bulb remembers its on/off status when power is lost and will restore the on/off status when power is restored (default).

1 = The RGB Smart Bulb will not remember its on/off status when power is lost. It will be turned on when power is restored.

2 = The RGB Smart Bulb will not remember its on/off status when power is lost. It will be turned off when power is restored.

Load Status Change Notification

Parameter #: 24

Default Setting: 1

Parameter Size: 1 byte

The RGB Smart Bulb can send notifications to an associated device (Group Lifeline) whenever the power load changes.

0 = Notifications are disabled.

1 = The RGB Smart bulb sends a BASIC REPORT whenever the power load changes (default).

2 = The RGB Smart Bulb sends a BASIC REPORT only when the power load changes by some means other than by Z-Wave® command.

Resetting to Factory Defaults

Parameter #: 255

Default Setting: 1

Parameter Size: 4 bytes

Resetting the RGB Smart Bulb will exclude it from the Z-Wave network.

1431655765 = Reset to factory default settings.

SPECIFICATIONS

Radio Protocol	Z-Wave®
Radio Frequency	908.42 MHz
Radio Range	More than 100 meters outdoors, about 30 meters indoors, depending on building materials
Input Power	100 ~ 240 VAC ±10%, 50/60 Hz
Standby Power Consumption	< 1 watt
Maximum Power Consumption	7 watts
Socket Type	E26
Maximum Brightness	600 lumens
Operating Temperature	+14 ~ +104°F (-10 ~ +40°C)
Storage Temperature	-4 ~ +140°F (-20 ~ +60°C)
Storage Humidity	0 ~ 80% RH, non-condensing
Dimensions	ø2.5" x 5.2" (ø64 x 132 mm)

REGULATORY COMPLIANCE

Radio Notice for FCC

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

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.