Air Live Smart Life IOT For Home

SD-103

RGBW Controller

Quick Installation Guide

01 Introduction

SD-103 is a security enabled wireless dimmer, based on Z-Wave Plus technology. Z-Wave PlusTM enabled devices displaying the Z-Wave PlusTM logo can also be used with it regardless of the manufacturer, and can also be used in other manufacturer's Z-WaveTM enabled networks. You can change the color of your RGBW LED Strip via the APP and also control the brightness of the connected RGBW LED strip.

This dimmer is a transceiver which is a security enabled device which based on Z-Wave Plus technology, and it is fully compatible with any Z-WaveTM enabled network. Since SD-103 supports Security Command Class, it can learn with a Secured enabled controller to fully utilize the device.

02 Assembling and Wiring -1

Before we begin installing the device, please make sure that the power is off to avoid electrical shock. When installing, we suggest that it will be performed by a qualified and licensed electrician.

Warnings:

1. The RGBW Controller must be powered by the same voltage as the connected light source. I.e. when controlling 12V LED strip, the module must be connected to 12V power supply. Similarly, when controlling 24V RGBW strip, the RGBW Controller must be powered by 24V voltage supply.
2. For connection of IN1~IN4, it is suggested to connect the 4 inputs individually to the same type of device. The devices can be as follows: the momentary switch, the toggle switch, or the toggle with memory switch.
3. - First, connect to RGBW strip with output channel(R, G, B, W)
   - Second, connect to the power supply.

If the device is properly connected, the RGBW strip will blink once.

03 Assembling and Wiring -2

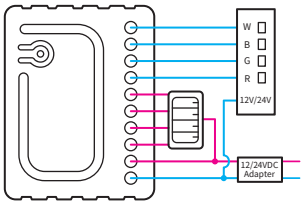


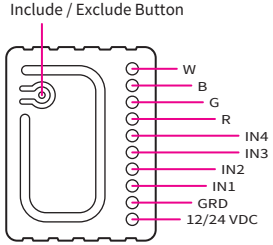
Figure 2. Connecting toggle switch

Warning:
The RGBW Controller is suggested to operate in low voltage circuits of 12VDC or 24VDC. Connecting to higher voltage load may result in the RGBW Controller damage.

04 Include RGBW Controller -1

Power the device by connecting the power circuit on. Device will automatically be in inclusion mode.

If device is not in inclusion mode, press include/exclude button three times in rapid succesion

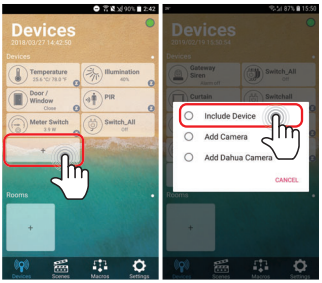


12/24VDC - Power supply signal	IN4 - Switch Input 4
GND - Power Supply ground signal	R - Output assigned to IN1
IN1 - Switch Input 1	G - Output assigned to IN2
IN2 - Switch Input 2	B - Output assigned to IN3
IN3 - Switch Input 3	W - Output assigned to IN4

05 Include RGBW Controller -2

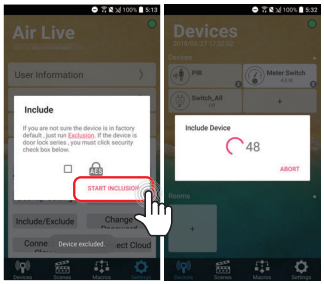
Open AirLive Smart Life APP Plus in your phone to add the sensors.

- Go to Devices page and click ""+"" icon.
- Press Include Device



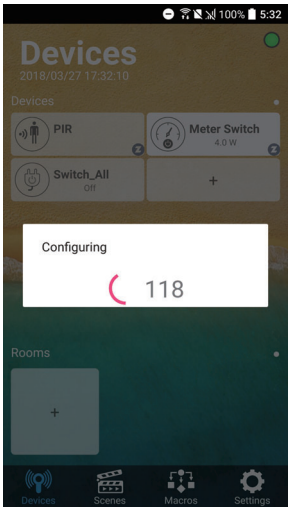
06 Include RGBW Controller -3

- Press "START INCLUSION"
- Start to include a device.



07 Include RGBW Controller -4

When the device is being included, APP will configure the setting into gateway.



08 Choosing a Suitable Location

1. Should be placed indoors.
2. Should be within 40 meters of either the gateway or another non-battery powered Z-wave device.
3. Should not face the window or the sunlight.
4. Should be placed on humid /dusty place.
5. Should not be located wherein combustible substances or any source of heat e.g. fires, radiator, boiler, etc.

09 LED Indication

1. Red& Green Blinking by turns: The device is not included in a Z-Wave network.
2. Solid Green : The device is included in a Z-Wave network.
3. Green Blinking : The device is in auto inclusion mode.

10 Detailed Setup

For more detailed information about the hardware setup and additonal function please see the full user guide on www.airlive.com.

FCC Interference Statement
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 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.**

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.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.
If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

RF Exposure Information (SAR)
This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.
The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of