



## **RGBW CONTROLLER**

**SD.RGBW.1**



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**Product Overview**

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## **Product Description**

### **Product Overview :-**

**Model Number:** SD.RGBW.1

**Description:** The RGBW Controller allows precise control of RGB LED lights, enabling dynamic color changes and brightness adjustments.

**Application:**

- Geo-location-based control for enhanced convenience.
- Supports mood-based scene control within the application.

### **Product Features :-**

- Execute preset schedules without needing an internet connection.
- Supports 16 Millions color selections for vibrant lighting.
- Predefine patterns.
- Brightness intensity control.
- Pattern color selection.
- Pattern speed control for dynamic effects.
- Tunable Option.
- OTA updates available upon request.

### **Product Benefits :-**

- Quick and hassle-free installation.
- Remotely monitor and control RGBW via a smartphone or web application.

## **Technical Details**

### **Technical Specification:-**

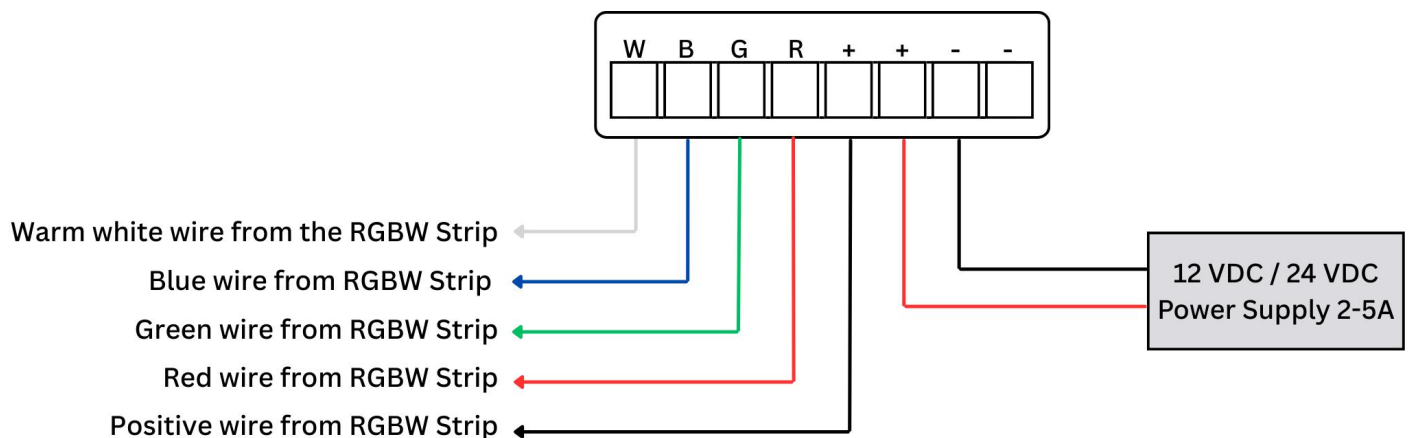
|                            |                         |
|----------------------------|-------------------------|
| Operating Input Voltage    | 12VDC / 24VDC           |
| Current rating             | 2-5A                    |
| Connect way                | RGB/ RGBW LED Strip     |
| Output channel             | RGB or RGBW             |
| Connect Method             | Common Anode            |
| Max. Length support        | 5 meter                 |
| Mounting                   | Wall-mounted            |
| Module size (Product size) | 2M                      |
| Color                      | White                   |
| Material                   | ABS                     |
| Dimensions                 | 70mm x 52mm x 25mm      |
| Weight                     | 66g                     |
| Operating Temperature      | 0°C - 65°C non condense |
| Water resistance           | No                      |
| Shock Proof                | No                      |
| Warranty                   | 5 years                 |

### **Network and Connectivity Specification:-**

|                              |                                    |
|------------------------------|------------------------------------|
| Communication Protocol       | WIFI 2.4 GHz 802.11 b/g/n          |
| Minimum WIFI Signal strength | 50%                                |
| Minimum Internet speed       | 512kbps                            |
| Data Consumption             | < 3MB/month                        |
| Integration Support          | Compatible with Alexa, Google Home |
| Mode of operation            | Voice, Mobile App                  |

## Installation

### Terminal Description:-

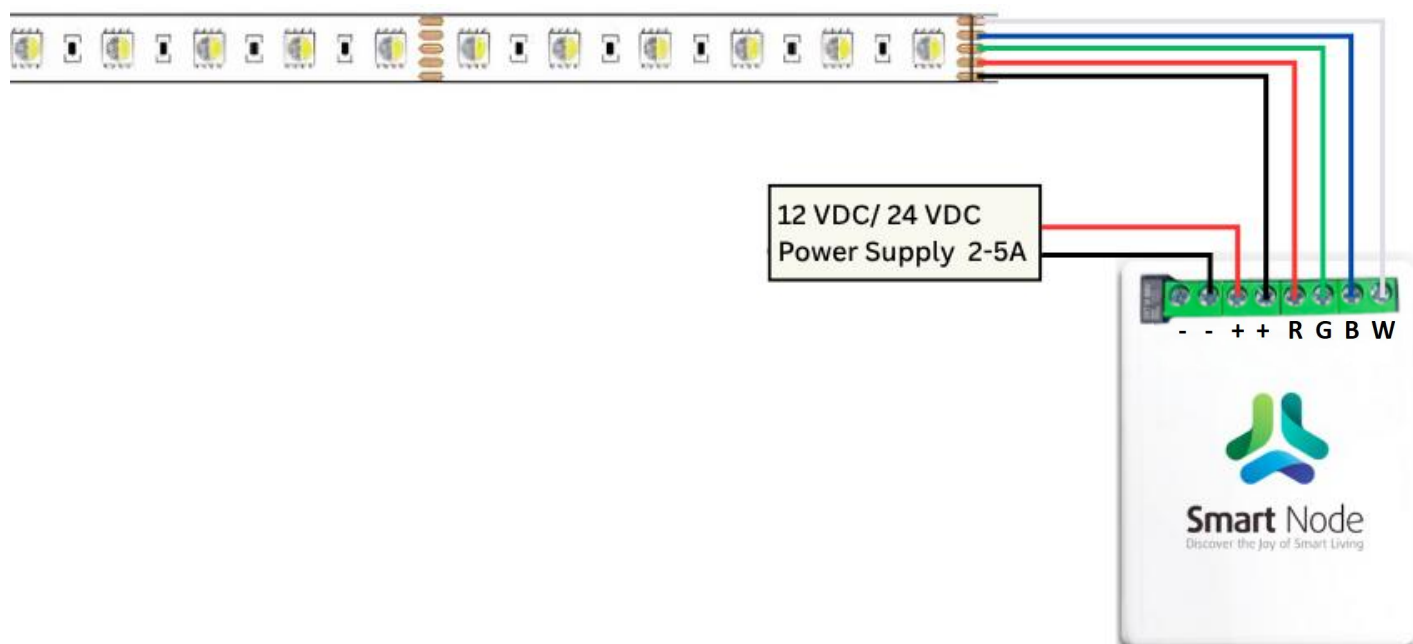


### Steps:

1. Connect the RGBW strip to the controller's output terminals (R,G,B,W).
2. Connect the power adapter to the controller.
3. Ensure a dedicated, stabilized power adapter is used for reliable performance.
4. Plug the adapter into the power supply to complete the setup.

**Note:** The standard RGBW controller supports up to a 5-meter LED strip. If you experience brightness fading, install an RGBW booster at the affected section to maintain consistent illumination.

## Wiring Diagram:-



## To Enable Configuration Mode:-

