RGBW CONTROLLER

SD.RGBW.1

--- **Quick Links** ---

Product Overview

Product Features

Technical Specification

Installation

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.
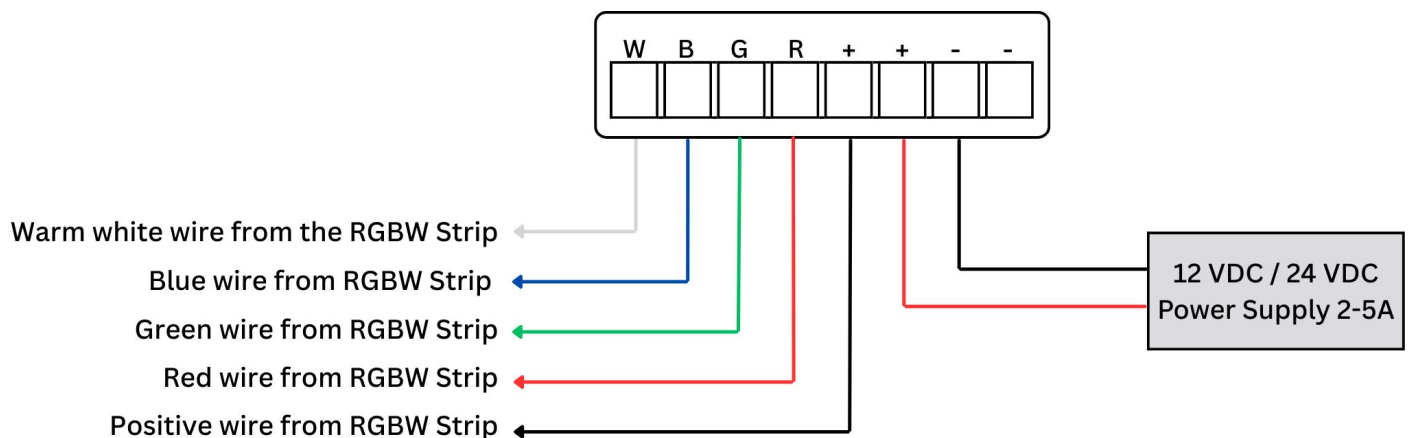
Technical Details

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:-

W	B	G	R	+	+	-	-

Warm white wire from the RGBW Strip

Blue wire from RGBW Strip

Green wire from RGBW Strip

Red wire from RGBW Strip

Positive wire from RGBW Strip

12 VDC / 24 VDC
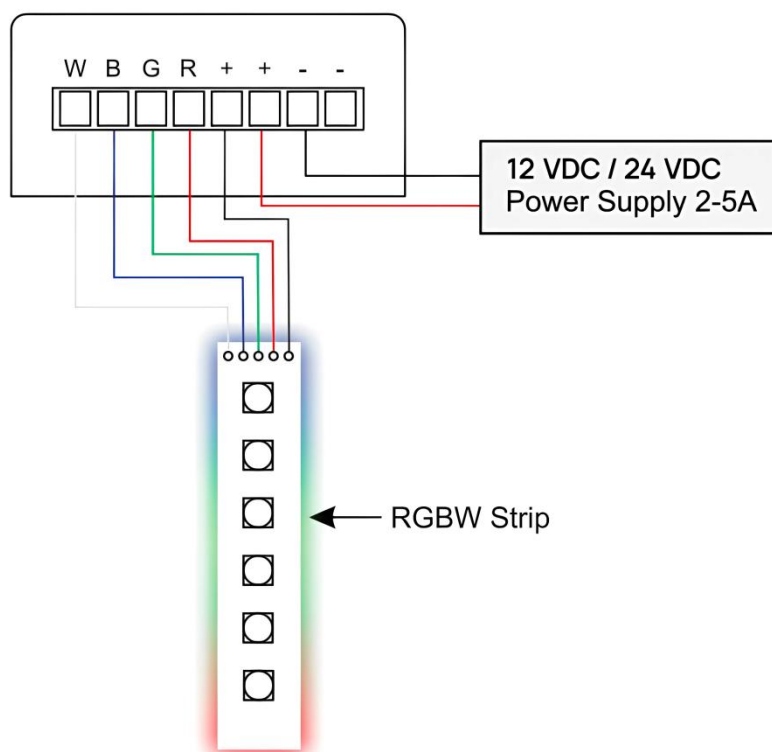Power Supply 2-5A

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:-

W B G R + + - -

12 VDC / 24 VDC
Power Supply 2-5A

← RGBW Strip

To Enable Configuration Mode:-

Wires coming from
dopont cable

Black

White

- The switch connected to the black and white
  wire starts the configuration mode.
- Press the switch 15 times within 6 seconds to
  enable the configuration mode.