

RGBW 4 CHANNEL CONTROLLER (RF) SR SERIES

DESCRIPTION:

The RGBW 4-Channel RF Controller SR Series is a high-performance, constant voltage LED controller designed for monochrome, dual-color, RGB, and RGBW lighting systems. Operating at 12-36V DC, it features 4 channels with up to 5A output per channel. The controller provides seamless wireless control via RF remotes and wall-mounted panels, enabling smooth dimming, color temperature adjustment, and RGB tuning. With support for multi-zone control, unlimited receivers, and integration with WiFi-RF converters for mobile app functionality, it is an ideal solution for advanced, dynamic lighting applications.

FEATURES:

- 5A 4-channel constant voltage LED strip controller (12-36VDC).
- Compatible with monochrome, dual-color, RGB, and RGBW LED lights.
- Wireless RF control with various single-color, dual-color, and RGB/RGBW remotes.
- Supports control of multiple zones independently or synchronously with limitless receivers per zone.
- Adjustable brightness for R, G, B, and W channels to achieve millions of colors.
- Built-in dynamic changing patterns, configurable for each zone.
- Compatible with WiFi-RF converters for APP-based control via iOS or Android devices.
- Maximum 8 remotes can control a single receiver.



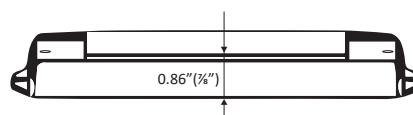
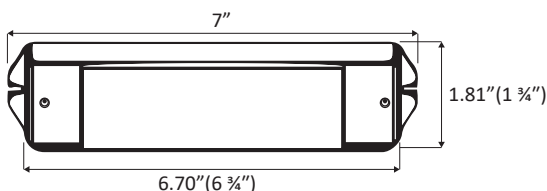
APPLICATIONS:

- Color temperature adjustment for CW+WW dual-color LED installations.
- Brightness control for single-color LED strips.
- Wireless multi-zone lighting systems for homes, offices, and events.

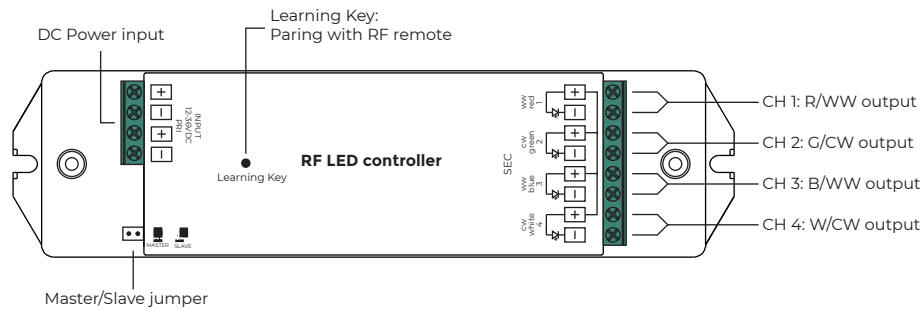
TECHNICAL SPECIFICATIONS:

Input Voltage	12-36V DC
Output Channels	4 channels (R, G, B, W)
Output Current	5A per channel
Output Type	Constant Voltage
Wattage	240-720W
IP Rating	IP20
Radio Frequency	868 MHz / 915 MHz / 434 MHz
Dimensions	7 x 1.81 x 0.86 inches

DIMENSIONS:

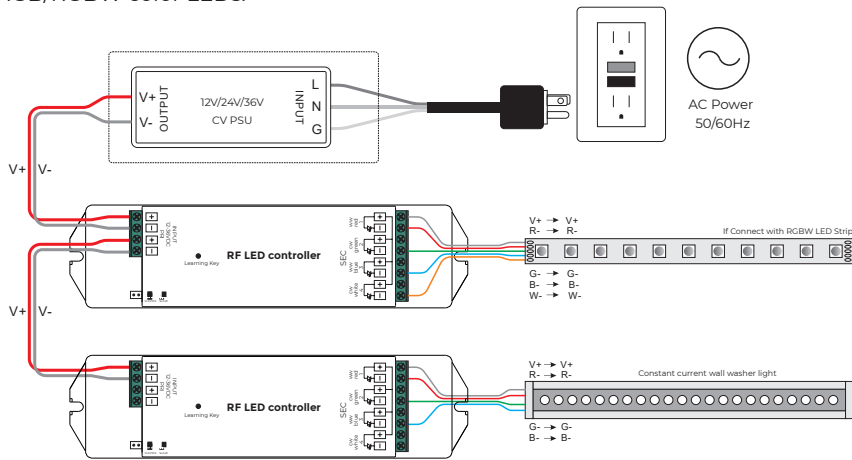


FUNCTION INTRODUCTION:

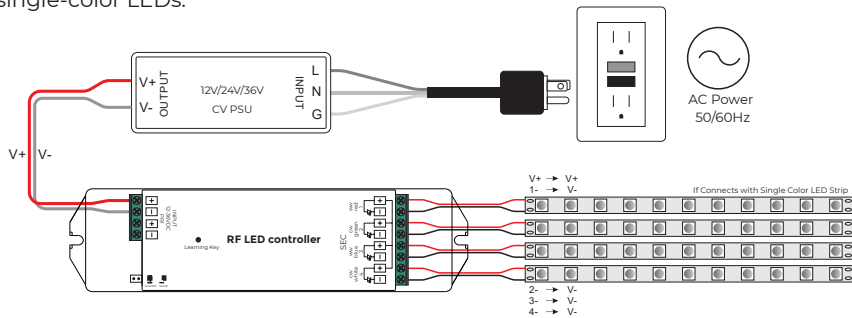


WIRING DIAGRAM:

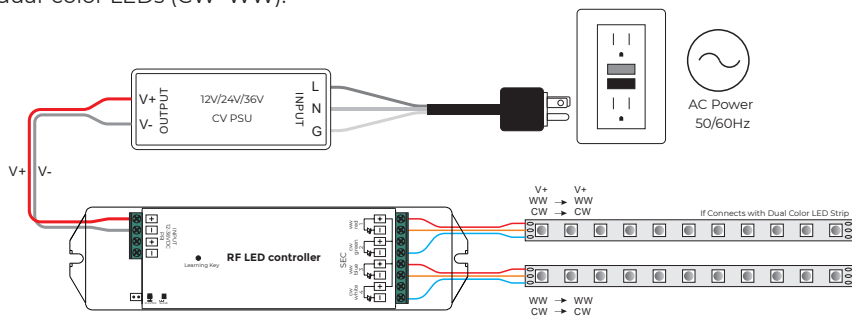
For RGB/RGBW color LEDs:



For single-color LEDs:

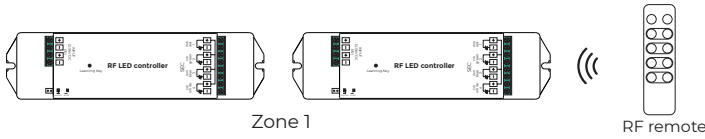


For dual-color LEDs (CW+WW):

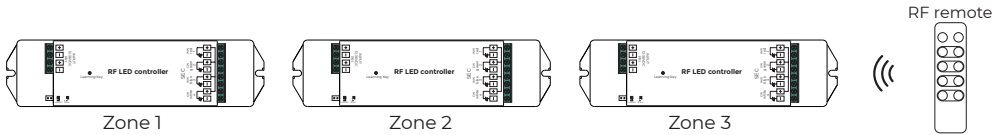


For multiple receivers:

Option 1: Assign all receivers to the same zone (e.g., Zone 1) for synchronized control.



Option 2: Assign each receiver to a different zone (e.g., Zones 1, 2, 3, or 4) for independent control.



SAFETY & WARNINGS:

- Ensure the device is powered off during installation.
- Avoid exposing the device to moisture.

OPERATION:

WIRING AND SETUP:

1. Follow the provided connection diagram to wire the RF receiver properly.
2. Power on the receiver after completing the wiring.

PAIRING THE RF RECEIVER WITH AN RF REMOTE:

1. Power on the RF receiver after wiring.
2. Turn on the RF remote and press the “Learning Key” button on the receiver.
3. For multi-zone remotes: Immediately select a zone number to assign the receiver (e.g., Zone 1, Zone 2). For single-zone remotes, skip this step.
4. Touch the color wheel, slider bar, or press any button on the remote. The connected LED light will flicker twice, indicating successful pairing.

Note: Each receiver can pair with up to 8 remotes.

DELETING A PAIRING:

1. Power on the RF receiver.
2. Press and hold the “Learning Key” button on the receiver for over 3 seconds until the connected LED light flickers twice. This confirms the pairing has been deleted.

MASTER/SLAVE JUMPER CONFIGURATION:

- When using multiple receivers in a group, set one receiver as the Master and the rest as Slaves to ensure synchronized RGB effects.
- After designating the Master, power cycle the Master receiver (turn it off and back on) to activate the Master function.

COMPATIBLE REMOTES (SOLD SEPARATELY):

RGB Rotary Wall Remote (RF) SR Series
SKU: CONT-SR-2836-RGB-US



RF and WiFi RGBW Wall Mounted Touch Panel LED Controller
SKU: CONT-SR-2820S-US



CCT Rotary Wall Remote (RF) SR Series
SKU: CONT-SR-2836-CCT-US



CCT Rotary Desktop Remote (RF) SR Series
SKU: CONT-SR-2836D-CCT