SVL SRSB9101EA5C-1 ZigBee LED Controller Instruction Manual

Contents

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Product Information

The 4 1 Universal RF+Bluetooth LED Controller (Model: 70200051) is a versatile controller that allows you to control LED lights using both RF and Bluetooth technology. It features a built-in LED indicator that stays on normally and flashes when it receives a control signal. The controller has a Program Key for pairing and deleting pairings with RF+Bluetooth remotes and a Bluetooth app. It has multiple input and output voltage options, with a maximum current and power rating for each channel. The controller also has a dial switch for selecting the device mode, with options for DIM, CCT, RGBW, and RGB+CCT.

Product Data

- DC power input: 12-48VDC
- Output Current: Max. 8A/CH@12V/24V, Max. 6A/CH@36V, Max. 4A/CH@48V
- Output Power: Max. 96W/CH@12V, Max. 192W/CH@24V, Max. 216W/CH@36V, Max. 192W/CH@48V
- Connector Current Rating: Max. 20A
- Wire Size: 0.05-3.3mm2 (12-30AWG)
- Size (LxWxH): 170x59x29mm
- Ambient Temperature: -20°C to +50°C
- Max. Casing Temperature: 75°C

Product Usage Instructions

Operation: Pairing and Deleting Pairing with RF+Bluetooth Remote

1. Do wiring according to the connection diagram.
2. To pair the LED controller with an RF+Bluetooth remote, refer to the instruction manual of the remote you want to pair with.
3. To delete the pairing:
    1. Ensure the LED controller is wired correctly and powered on.
    2. Press and hold down the Prog. button on the controller for over 3 seconds. Alternatively, reset the power

of the device 8 times continuously if the button is not accessible. This will factory reset the device and the connected light will flash to indicate successful deletion.

3. **Note**: Factory resetting will restore all configured parameters of the device on the app to factory default settings.

Pairing with Smart App

1. Do wiring according to the connection diagram.
2. Download the EasyThings app from the iOS App Store or Android Google Play by searching for “EasyThings”.
3. Enable Bluetooth on your smartphone or tablet.
4. Run the EasyThings app and tap the add button on the app to add a device. Choose “Discover Devices” to discover the LED controller.
5. Short press the Prog. button on the LED controller twice or reset the power of the controller twice continuously to set the device into pairing mode with the app.
6. **Note**: Multiple LED controllers can be discovered by the app at the same time.
7. Once the device/devices are discovered, tick the device/devices and tap the “Save” button to successfully add them to the app.

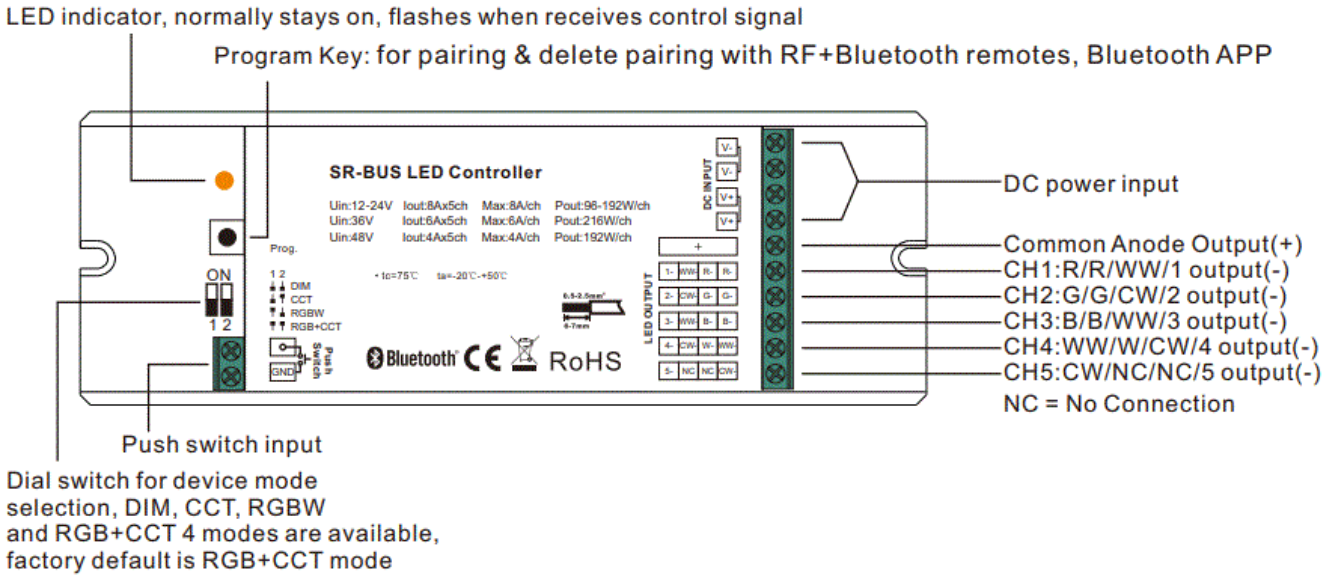
Configure Light Type Using Smart App

1. Press and hold the device icon in the app to enter the control interface.
2. Tap the button at the upper right corner to enter the edit page of the device.
3. Tap “Light Type” to enter the light type configuration page. Choose from 6 light types: RGBCCT, RGBW, RGB, CCT, DIM, ON/OFF.
4. Once a Light Type is selected, tap the button at the upper right corner to confirm. The connected light will flash to indicate successful configuration.

4 in 1 Universal RF+Bluetooth LED Controller

Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Input Voltage	Output Current	Output Power	Connector Current Rating	Wire Size	Remarks	Size(LxWxH)	Ambient Temperature	Max. Casing Temperature
12-48 VDC	Max. 8A/CH@ 12V/24V Max. 6A/CH@ 36V Max. 4A/CH@48V	Max. 96W/CH@12 V Max. 192W/CH@24V Max. 216W/CH@36V Max. 192 W/CH@48V	Max. 20A	0.05-3.3 mm2 (12 -30AWG)	Constant voltage	170x59x29mm	-20℃ ~ +50℃	75℃

- 4 in 1 universal RF+Bluetooth LED controller, radio frequency: 2.4GHz
- 4 different device modes DIM, CCT, RGBW and RGB+CCT in 1 controller, and selectable by dial switch
- Enables to control ON/OFF, light intensity, color temperature, RGB color of connected LED lights
- Ultra-powerful to control Single Color, CCT, RGBW, RGB+CCT LED strips
- Controlled through both smart App and remote controls, no gateway is required
- Can be configured as six different light types: RGB+CCT, RGBW, RGB, CCT, DIM, ON/OFF through the APP
- Easy & quick pairing to the smart App by simply pushing the Prog. button
- Mesh network, much longer control distance, transmits received signal to neighbor devices
- Up to 30m transmission distance between every two neighbor devices
- Encrypted two-way communication, quick status feedback, safe & reliable data transmission
- Compatible with universal RF+Bluetooth remotes, each LED controller can pair to max. 8 remotes
- Cloud control is available for remote access, and works with Amazon Alexa and Google Home
- Can be controlled by existing push switches even if without Bluetooth signal
- Waterproof grade: Ip20

Safety & Warnings

- DO NOT install with power applied to the device.
- DO NOT operate the dial switches for device mode selection with power applied to the device.
- DO NOT expose the device to moisture.

Operation

Pair/delete the pairing with the RF+Bluetooth remote

1. Do wiring according to the connection diagram.
2. Pair LED controller with RF+Bluetooth remote: please refer to the instructions for the remote that you would like to pair with.
3. Delete the pairing:
    1. Wire up the LED controller correctly, and power it on.
    2. Press and hold down the “Prog.” button on the controller for over 3 seconds (or reset the power of the device 8 times continuously if the button is not accessible to factory reset the device) until the connected light flashes, which means well deleted.

       Note: factory resetting will restore all configured parameters of the device on the APP to the factory default setting.

Pair with a smart APP

1. Do wiring according to the connection diagram.
2. Download the EasyThings APP from IOS APP Store or Android Google Play to your smartphone or tablet by searching “EasyThings”. (As shown in Figure 1)
3. Enable Bluetooth on your smartphone or tablet. (As shown in Figure 2)

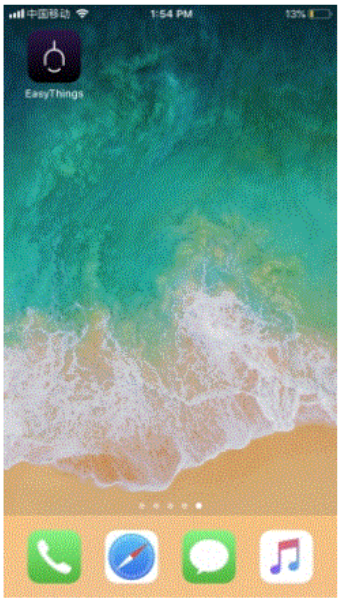


Figure 1

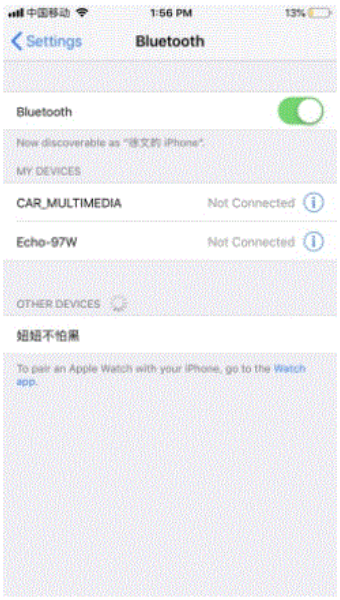


Figure 2

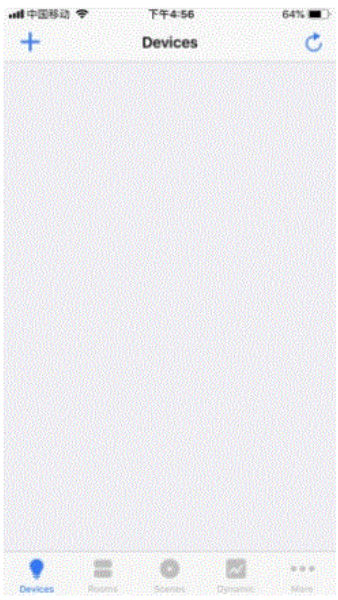


Figure 3

4. Run the Easythings APP, tap the add button “ ” on the APP to add a device, then choose “Discover devices” to discover the device, then short press the “Prog.” button on the LED controller twice (or reset the power of the controller twice continuously) to set the device into pairing to APP mode. (As shown in Figure 3 & Figure 4 & Figure 5)

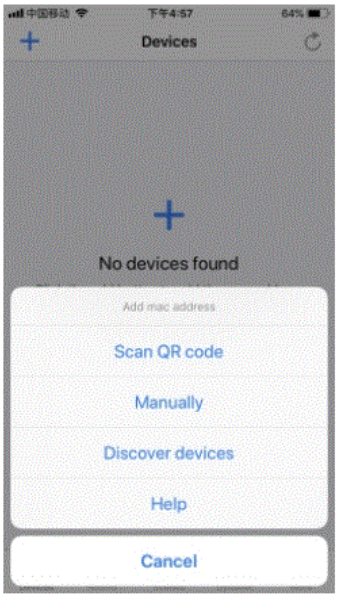


Figure 4

Figure 5

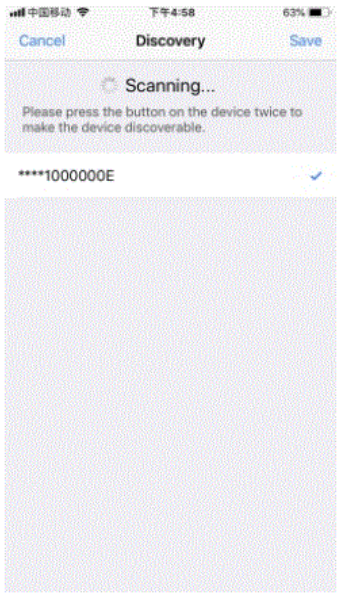


Figure 6

Note: multiple LED controllers can be discovered by the APP at the same time.

5. Once the device/devices are discovered, tick the device/devices and tap the “Save” button, the device/devices will be added successfully. (as shown in Figure 6)

Configure Light Type Using smart APP

1. Press and hold the device icon to enter into the control interface, then tap the button “ ” at the upper right corner to enter into edit page of this device (As shown in Figure 7 & Figure 8).
2. Then tap “Light Type” to enter the light type configuration page, for this driver, it can be configured as 6 light types: RGBCCT, RGBW, RGB, CCT, DIM, ON/OFF. Once select a Light Type, tap “ ” at the upper right corner to confirm, and the connected light will flash to indicate successful configuration. (As shown in Figure 8)

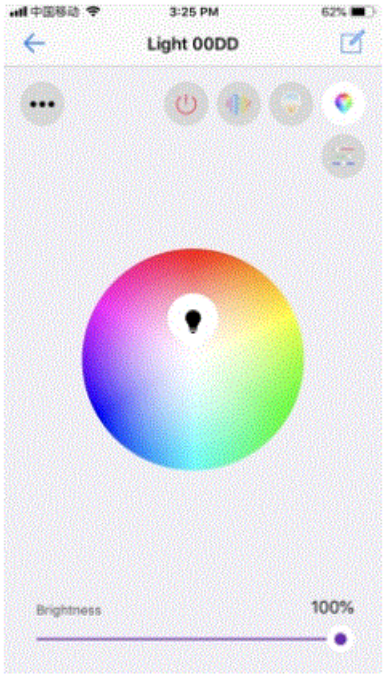


Figure 7

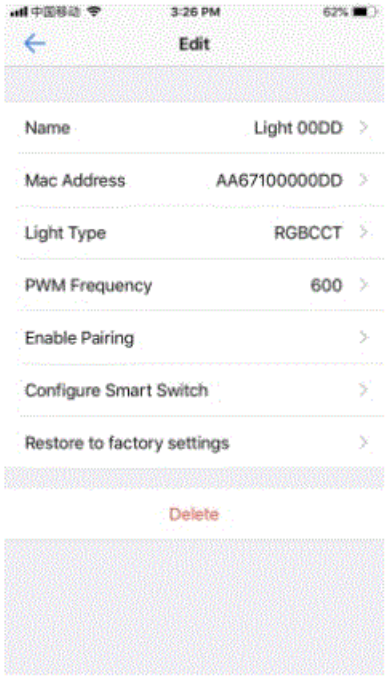
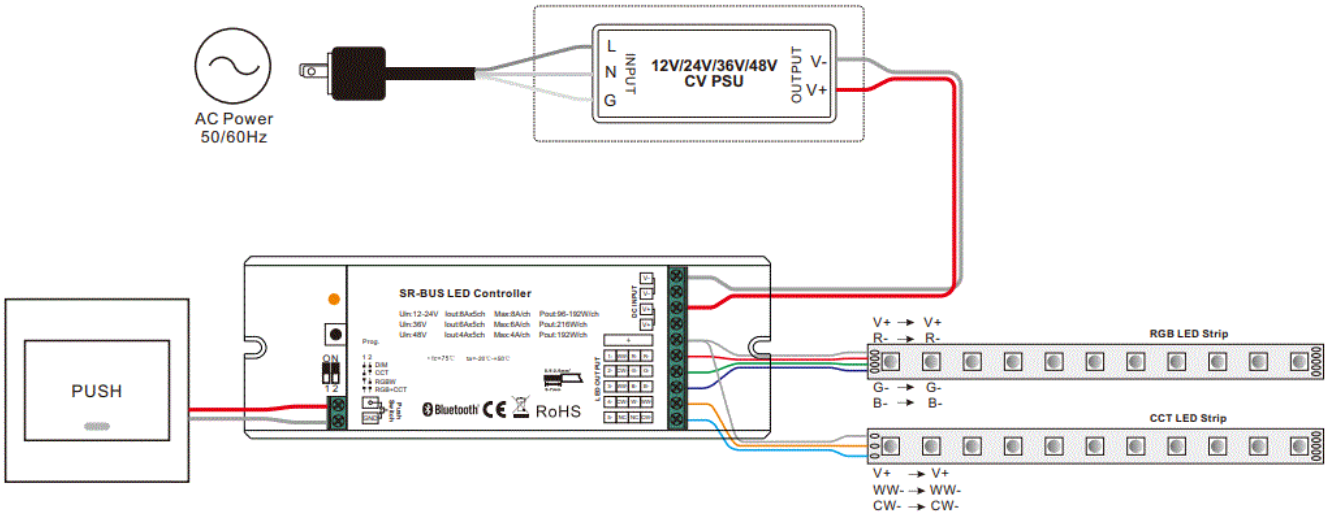


Figure 8

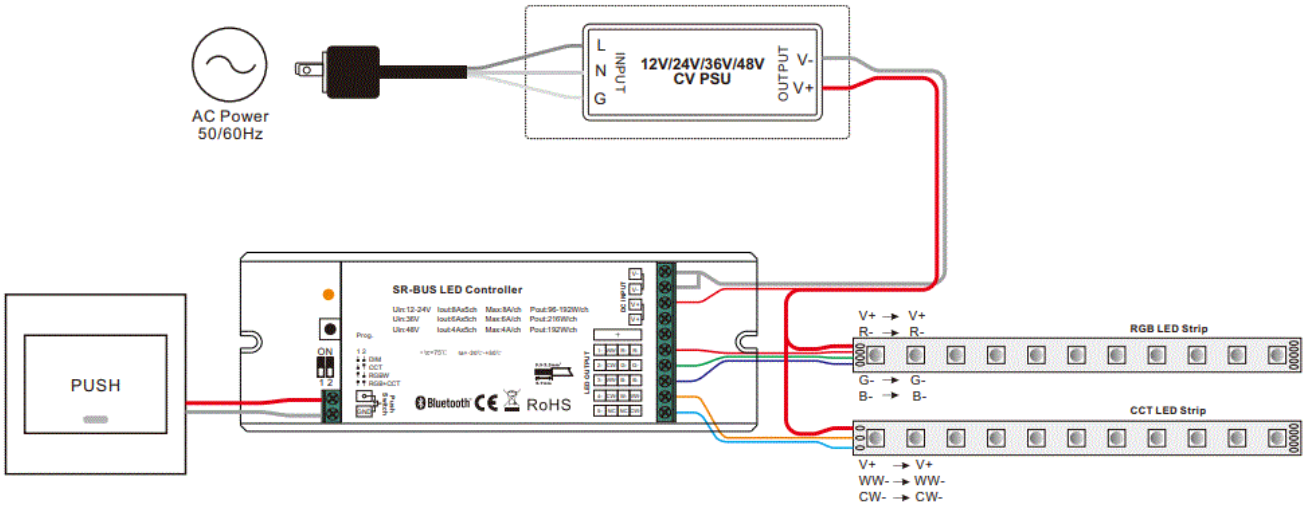
Wiring Diagram

RGB+CCT Mode

1. When total load of each receiver is not over 20A



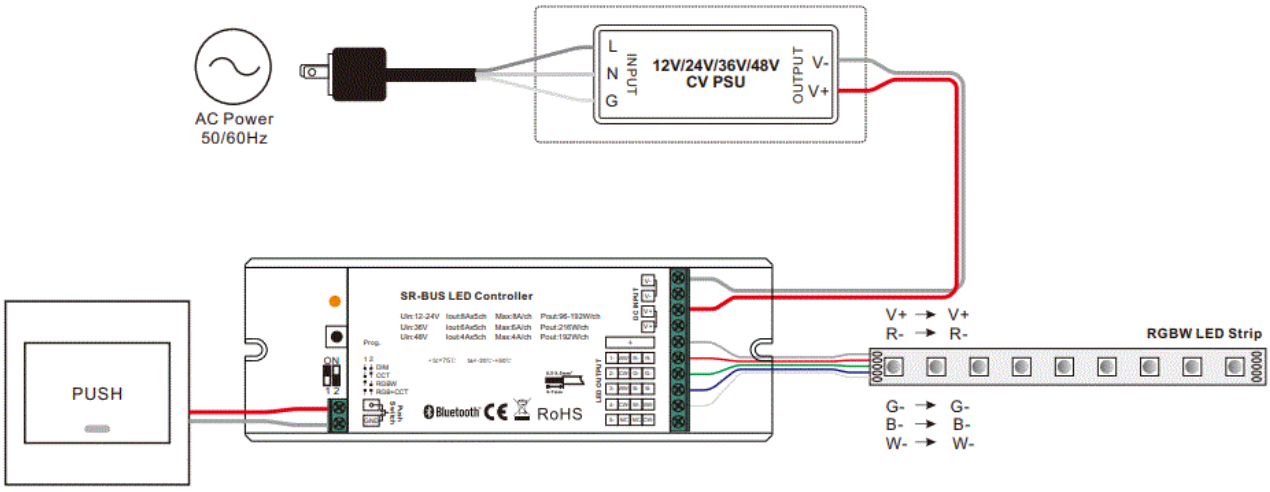
2. When total load of each receiver is over 20A



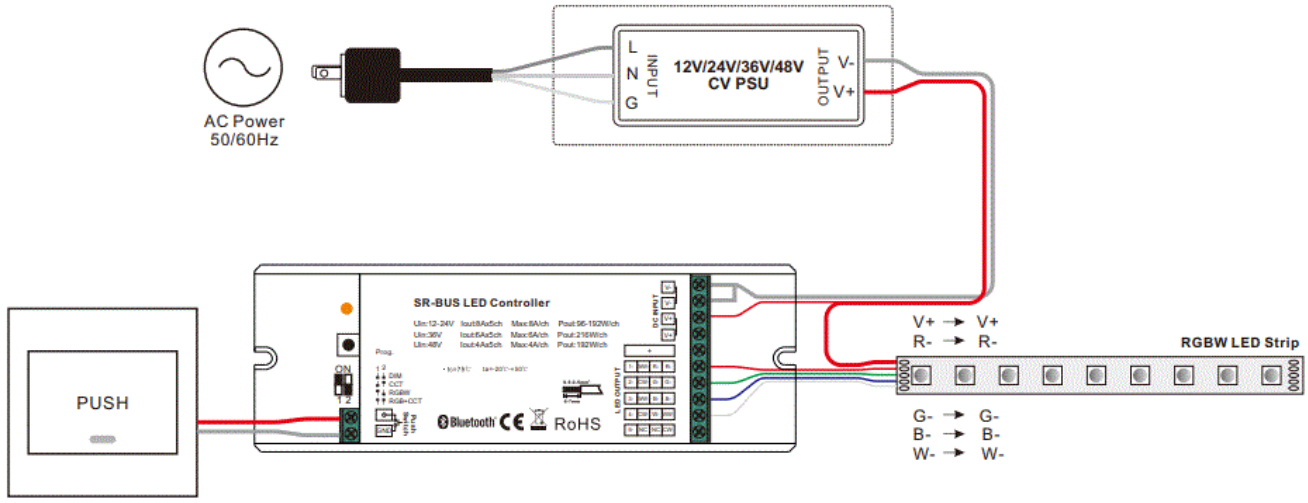
Note: please make sure the dial switches are at position for RGB+CCT mode as shown in above diagram.

RGBW Mode

1. When total load of each receiver is not over 20A



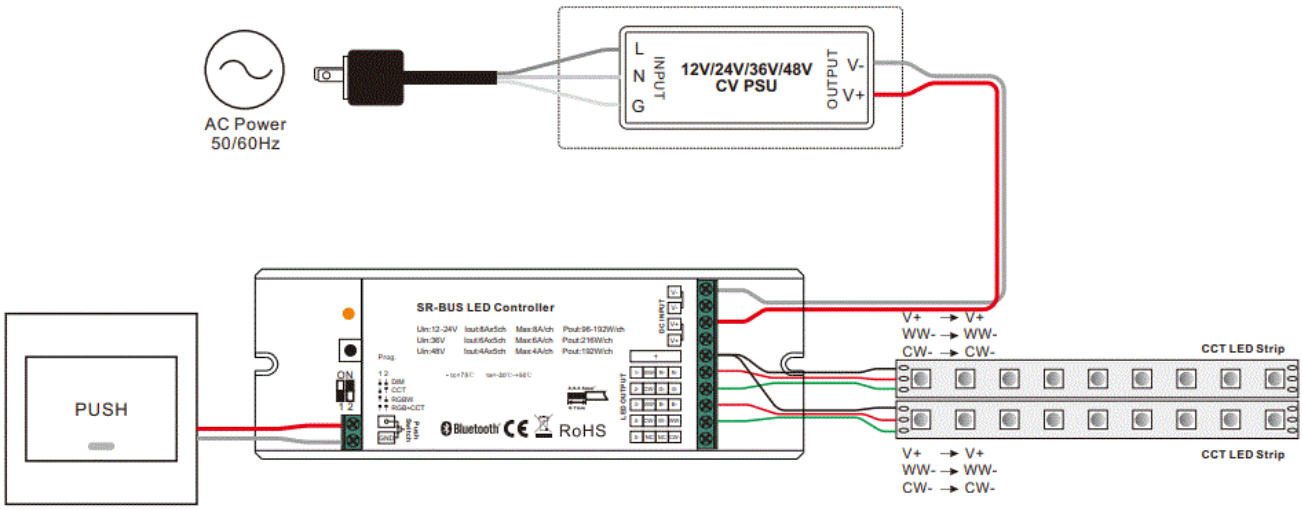
2. When total load of each receiver is over 20A



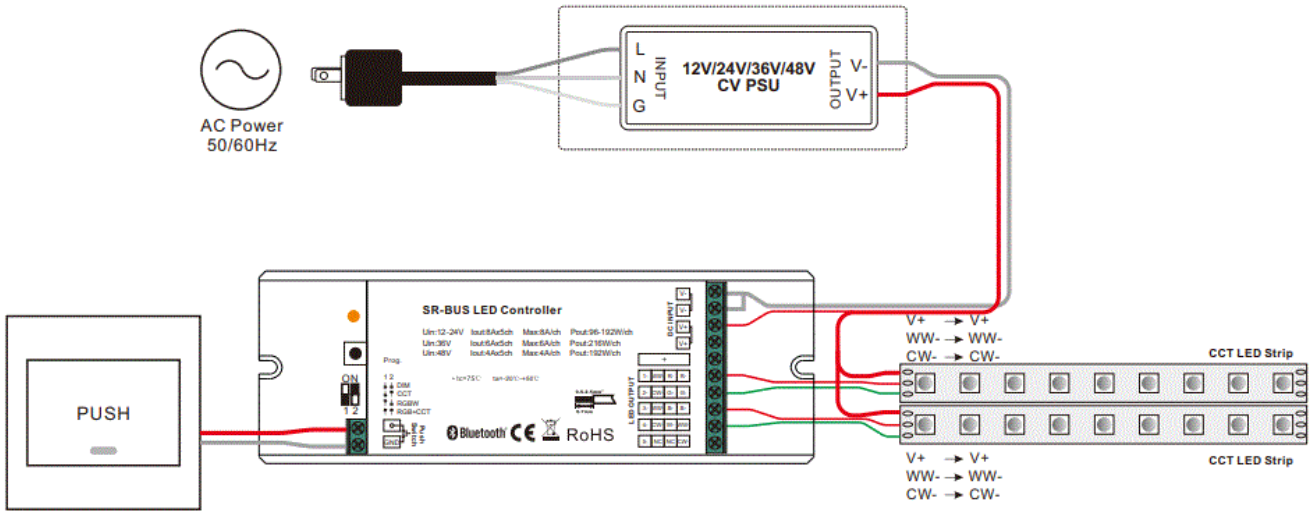
Note: please make sure the dial switches are at position for RGBW mode as shown in above diagram.

CCT Mode

1. When total load of each receiver is not over 20A



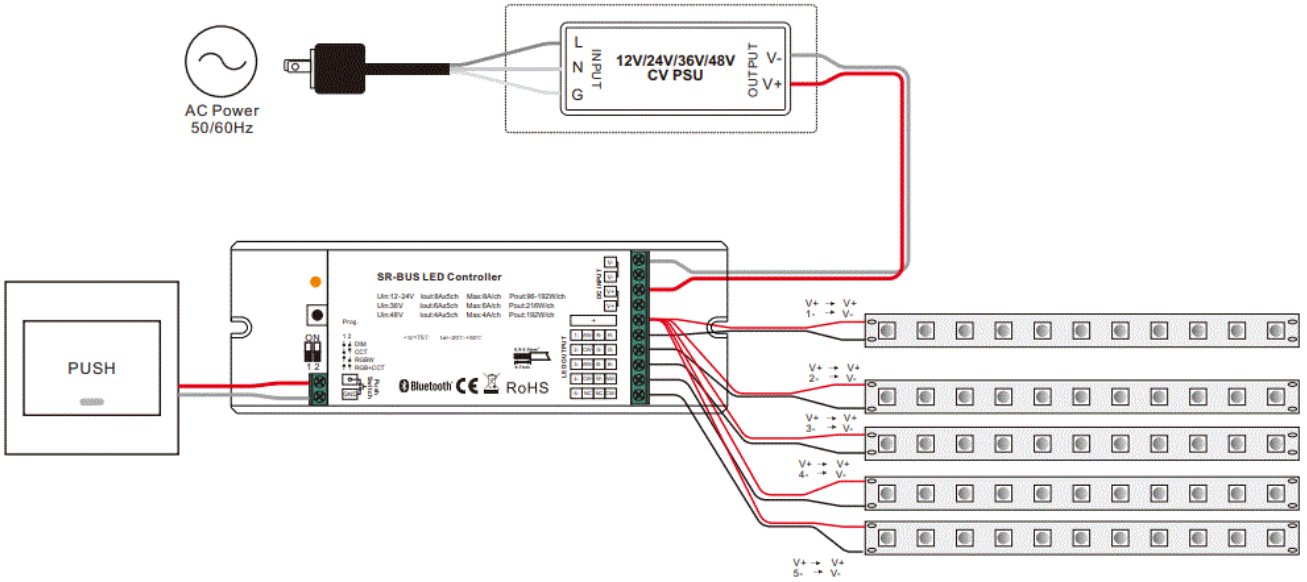
2. When total load of each receiver is over 20A



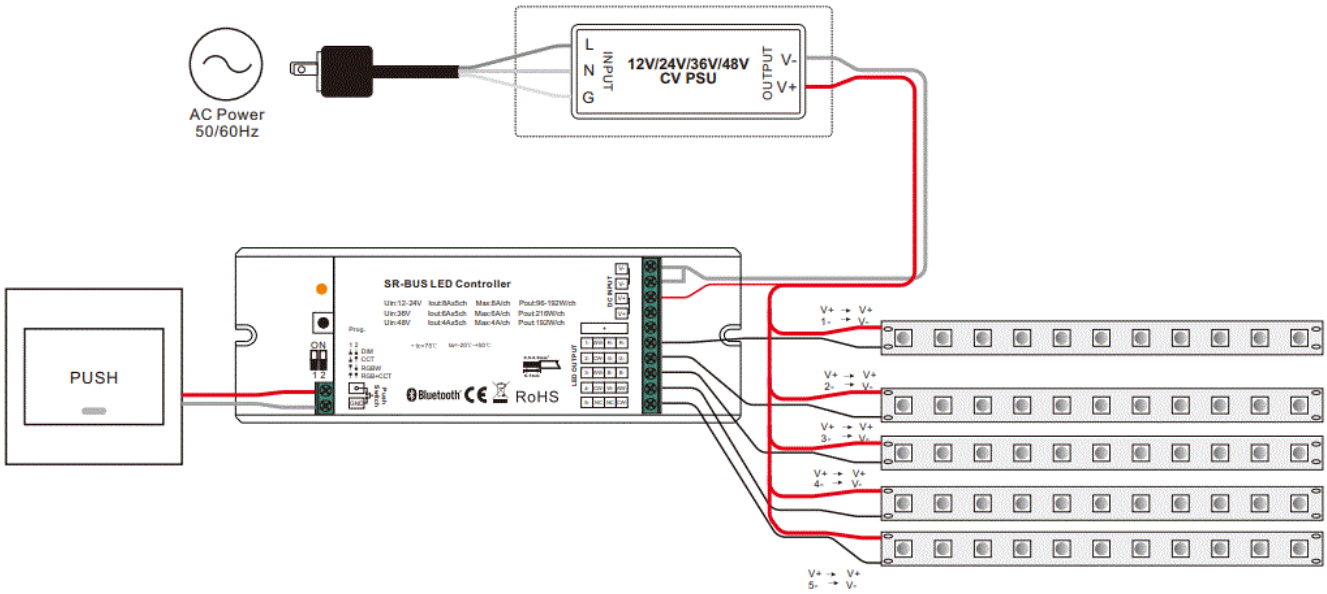
Note: please make sure the dial switches are at position for CCT mode as shown in above diagram.

DIM Mode

1. When total load of each receiver is not over 20A



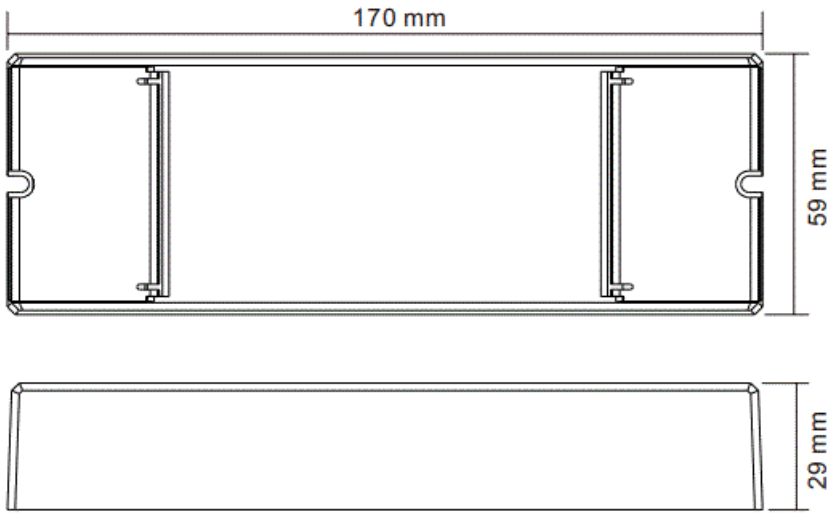
2. When total load of each receiver is over 20A



Note: please make sure the dial switches are at position for DIM mode as shown in above diagram.

PUSH DIM:
While connected with a push switch, click the button to switch ON/OFF lights. Press and hold down the button to increase/decrease light intensity.

Product Dimension



Documents / Resources

	SVL SRSB9101EA5C-1 ZigBee LED Controller [pdf] Instruction Manual SRSB9101EA5C-1, 70200051, SRSB9101EA5C-1 ZigBee LED Controller, SRSB9101EA5C-1, ZigBee LED Controller, LED Controller, Controller