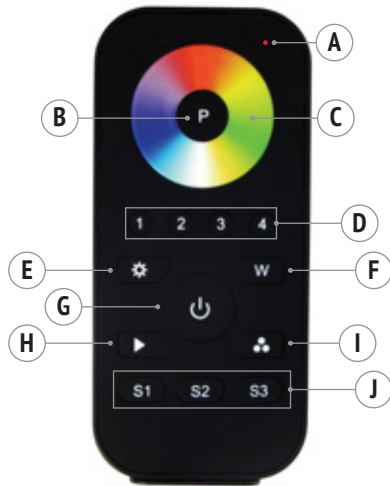**LUMENSTAR**
LED LIGHTING

RF RGB & RGBW Controllers

Handheld Remotes

RGB Remote Main Functions

A) Indicator

B) Program: click this button, then touch the color wheel to choose at least 2 colors (max 7), then click the button. The connected LED lights with the receiver will run with the colors of your choice.

C) Color temperature wheel

D) Choose the zone: each zone saves 3 colors or modes. Press and hold down to turn on/off corresponding zone.

E) Press and hold down to dim light intensity of RGB channels.

F) White channel: click to turn on/off. Press and hold down to dim light intensity.

G) On/Off

H) Click to switch the running mode: jump, flash, fade, strobe. Press and hold down to change running speed.

I) Click to switch CW, NW, WW mixed by RGB.

J) Save scene button: press and hold down until lights flash. Click to recall the saved colors.

RGBW Remote Main Functions

A) Indicator

B) White Channel: the fourth channel. Click to turn on/off, press and hold down to dim light intensity of W channel.

C) Color temperature wheel

D) Choose the zone: each zone saves 3 colors or modes. Press and hold down to turn on/off corresponding zone.

E) Press and hold down to decrease light intensity of RGB channels.

F) Press and hold down to increase light intensity of RGB channels.

G) On/Off

H) Click to play/pause the 10 built-in effects, press and hold down to speed up/down the running speed.

I) Click to switch CW, NW, WW mixed by RGB.

J) Save scene button: press and hold down until lights flash. Click to recall the saved colors.

Wall Mount Remote
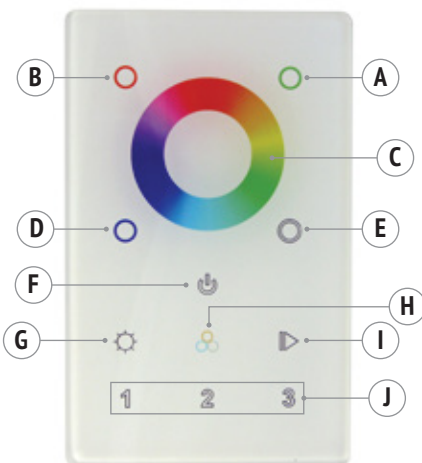
RGBW Remote Main Functions

A) Green Channel: Turn on/off. Press and hold down to dim light intensity.

B) Red Channel: Turn on/off. Press and hold down to dim light intensity.

C) Color temperature wheel

D) Blue Channel: Turn on/off. Press and hold down to dim light intensity.

E) White Channel: Turn on/off. Press and hold down to dim light intensity.

F) On/Off

G) Press and hold down to save color; click to recall the saved.

H) Click to select WW, NW, CW mixed by RGB.

I) Click to play/pause the built-in effects. Press and hold down to speed up/down the effects.

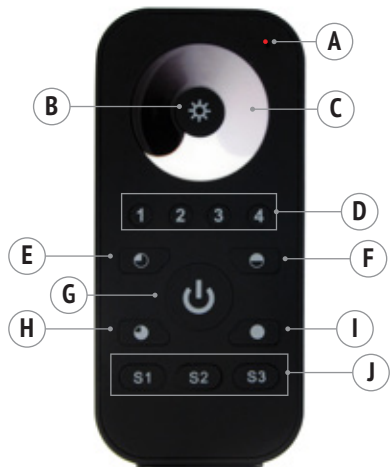J) Click to choose the zone. Press and hold down to turn on/off corresponding zone.

## RF Dimmers

Handheld Remotes
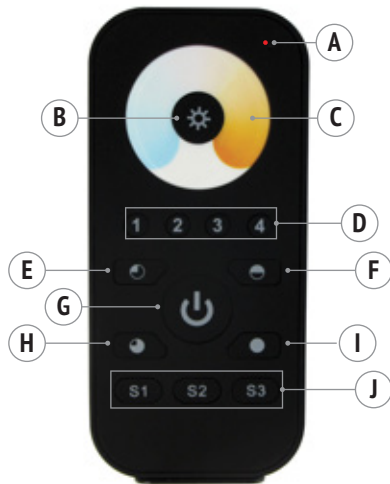
CCT Remote Main Functions

A) Indicator

B) Brightness button: press and hold down to dim light up/down

C) Color temperature wheel

D) Choose the zone: each zone saves 3 colors or modes. Press and hold down to turn on/off corresponding zone.

E) 25% brightness

F) 50% brightness

G) On/Off

H) 75% brightness

I) 100% brightness

J) Save scene button: press and hold down until lights flash. Click to recall the saved colors.

Single Color Remote Main Functions

A) Indicator

B) Brightness button: press and hold down to dim light up/down

C) Color temperature wheel

D) Choose the zone: each zone saves 3 colors or modes. Press and hold down to turn on/off corresponding zone.

E) 25% brightness

F) 50% brightness

G) On/Off

H) 75% brightness

I) 100% brightness

J) Save scene button: press and hold down until lights flash. Click to recall the saved colors.
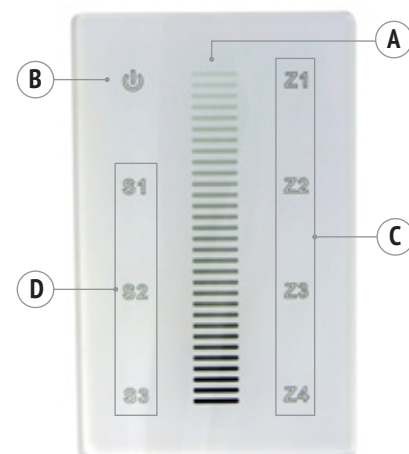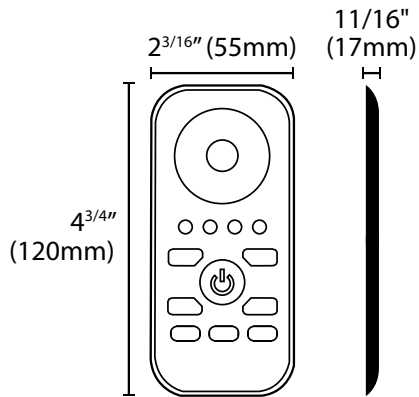
Wall Mount Remote
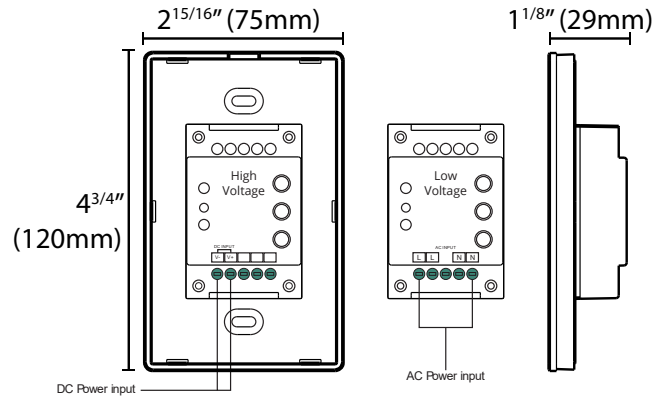
SIngle Color Remote Main Functions

A) Brightness wheel

B) On/Off

C) Click to choose the zone: press and hold down to turn on/off corresponding zone.

D) Press and hold down to save color; click to recall the saved.
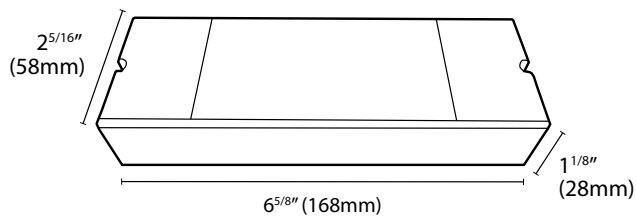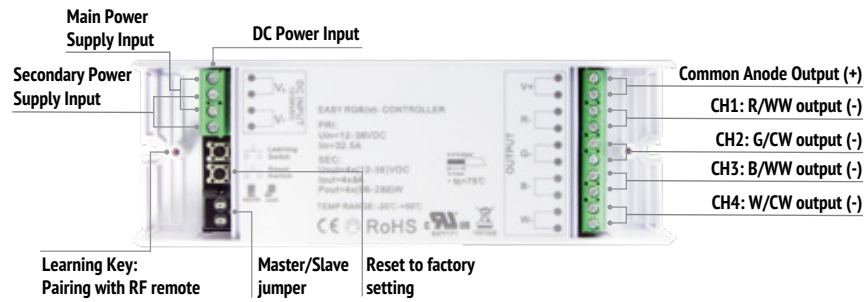
Dimensions

Handheld Remotes

2 3/16″ (55mm)

11/16" (17mm)

4 3/4″ (120mm)

Wall Mount Remote

2 15/16″ (75mm)

1 1/8″ (29mm)

4 3/4″ (120mm)

High Voltage

Low Voltage

DC Power input

AC Power input

WIFI Receiver

Input Voltage	Output Current	Max Output Power	Remarks
12V DC	4x8A/Channel	384W	Constant voltage
24V DC	4x8A/Channel	764W	Constant voltage

Dimensions

2 5/16″ (58mm)

1 1/8″ (28mm)

6 5/8″ (168mm)

Wiring Diagram

Main Power Supply Input
DC Power Input
Secondary Power Supply Input
Common Anode Output (+)
CH1: R/WW output (-)
CH2: G/CW output (-)
CH3: B/WW output (-)
CH4: W/CW output (-)

Learning Key: Pairing with RF remote
Master/Slave jumper
Reset to factory setting

Connecting with RGB/W
Note: White wire only applicable to RGBW

Connecting with RGBW LED Strips

Connecting with Single Color
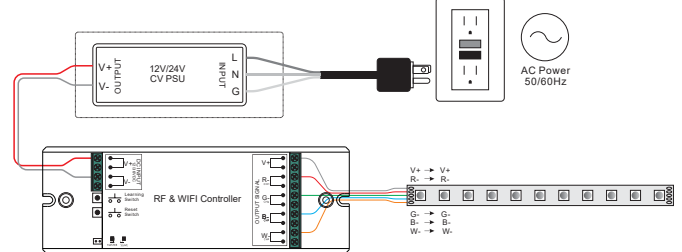
Connecting with Single Color LED Strips
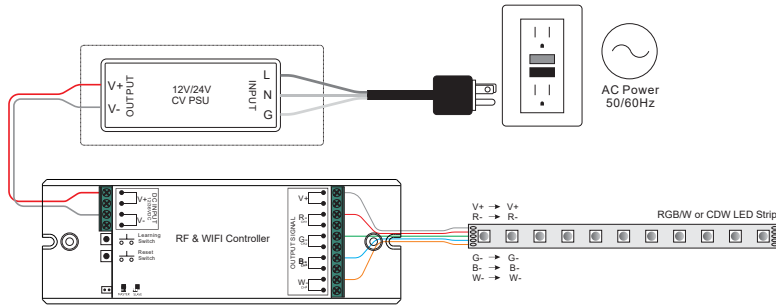

Connecting with CCT
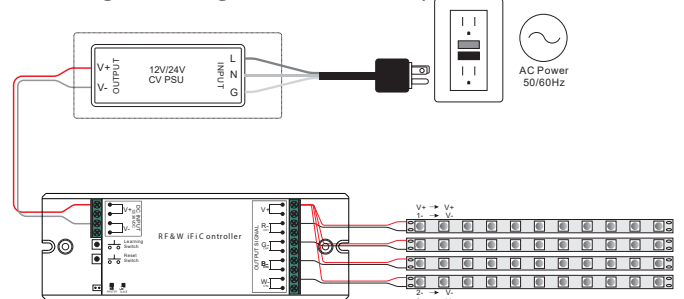
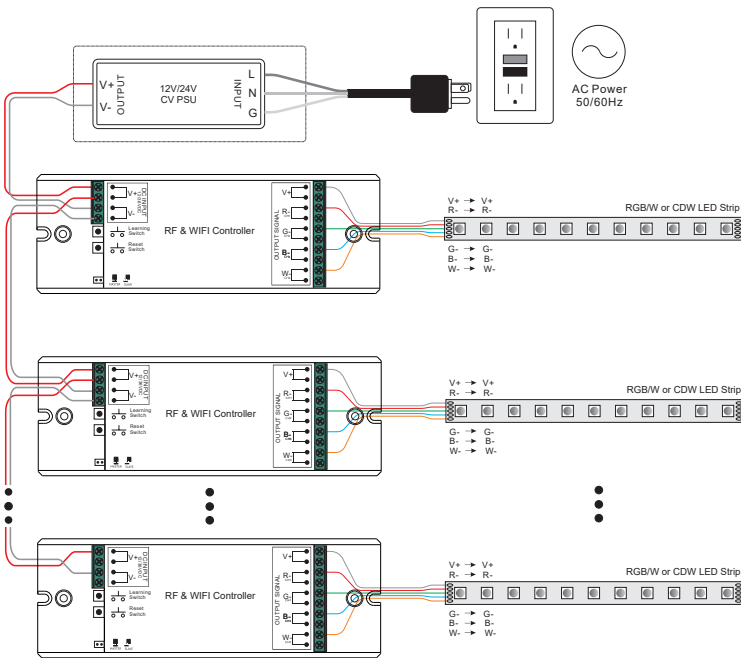### Connecting with Duel Color LED Strips
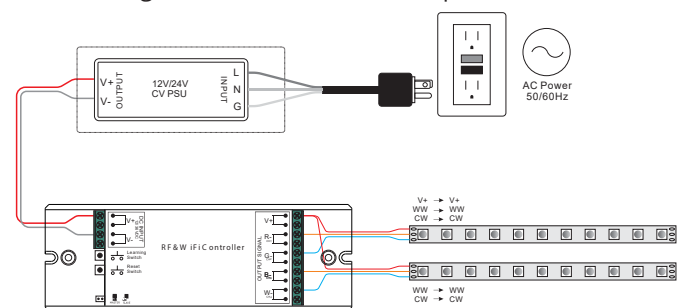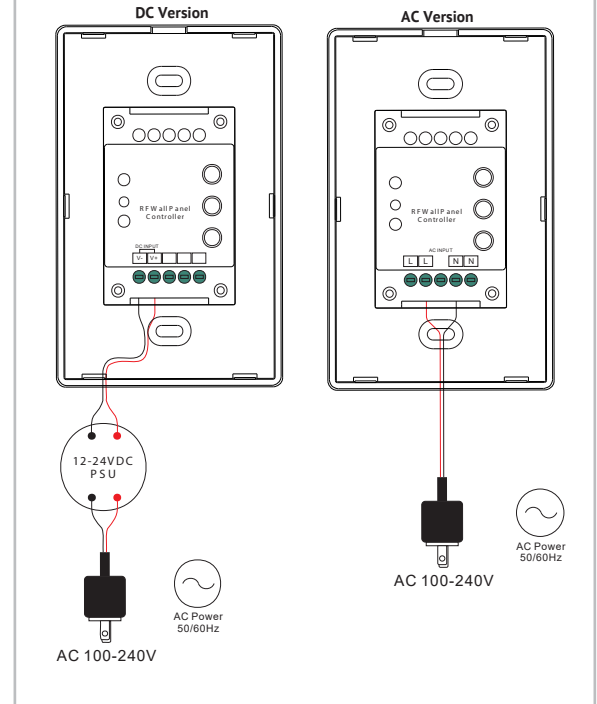
How to Wire

1) Receiver Connection Diagram for Single Unit

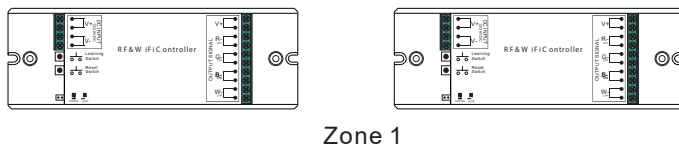### 2) Receiver Connection Diagram for Multiple Units

Wiring Diagram For Wall Mount

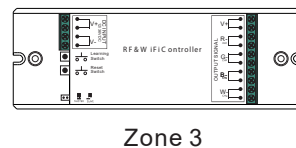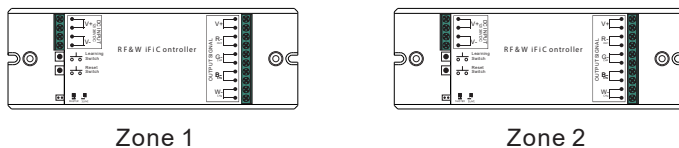If you use multiple receivers, there are two options for installation:

Option 1: All the receivers in the same zone. (Zone 1 for example).

Zone 1

RF remote

Option 2: Each receiver is in a different zone. (Zone 1, 2, 3 or 4)

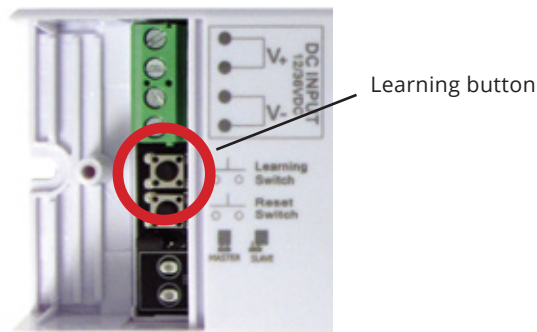Zone 1   Zone 2   Zone 3

RF remote

Operation

Pairing RF Remote:

Step 1 – Turn on remote with ON/OFF switch.
Step 2 – Press learning button on receiver.
Step 3 – Push zone # you're pairing.
Step 4 – Touch color wheel.
Step 5 – Lights should flash to signal successful pairing.

Learning button

Android or iOS connection to receiver

Mobile Connection: Directly to receiver through RF Remote or Smartphone or use WIFI network

Pairing Smart Phone:

Connect directly to receiver:

Step 1 – Download "Easy Lighting" app for Android or iOS
Step 2 – Wire receiver to power supply according to type of lights you are using (refer to wiring diagram).
Step 3 – Open WIFI connections on mobile device. Look for "Easy Lighting" and connect to "Easy Lighting network".
Enter default password – 0123456789
Step 4 – Open "Easy Lighting" app, tap "Settings". On receiver, tap "Learning Key" for 1 second then tap "Directly connect with WIFI LED Controller" in Easy Lighting app.
Step 5 – Tap the room on bottom bar of app and choose which room you would like to program the lights. Example: Bedroom, Living room etc – A green check-mark will appear in the top right corner of zone you select (the name and picture can be changed later) Then tap the room button again at the bottom of app and choose the controller wheel type: RGB / CCT or Single color.

Connect mobile device to lights directly:

Step 6 – To program app to work with receiver, press and hold learning button on receiver for 1 second and then touch color wheel on app, lights should blink and be able to be controlled by app on phone.

Connect receiver to WIFI network:

Step 7 – To connect receiver to WIFI network open Easy Lighting app. Tap settings, tap "Connect WIFI LED controller to your home network". Tap on your network and enter credentials. Click yes. Your WIFI receiver will now be connected to you respective WIFI network.