

### 3-Button RF RGB LED Controller

- RF 3 channel constant voltage RGB LED controller.
- 3-button operation, support on/off light, adjust brightness, color, dynamic mode and dynamic speed.
- Match with RF 2.4G single zone or multiple zone RGB remote control optional.
- 4096 levels dimming smoothly without any flash.
- Built-in 10 dynamic modes, including jump and fade.

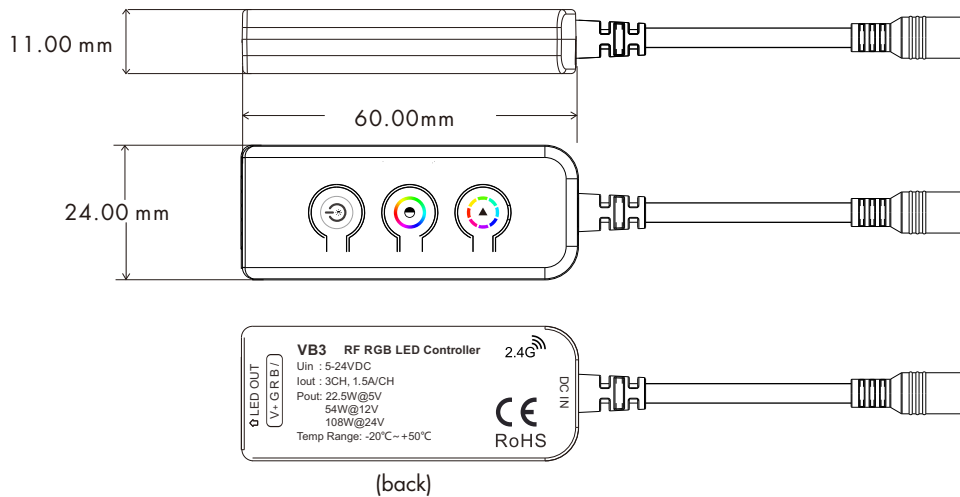


CE RoHS

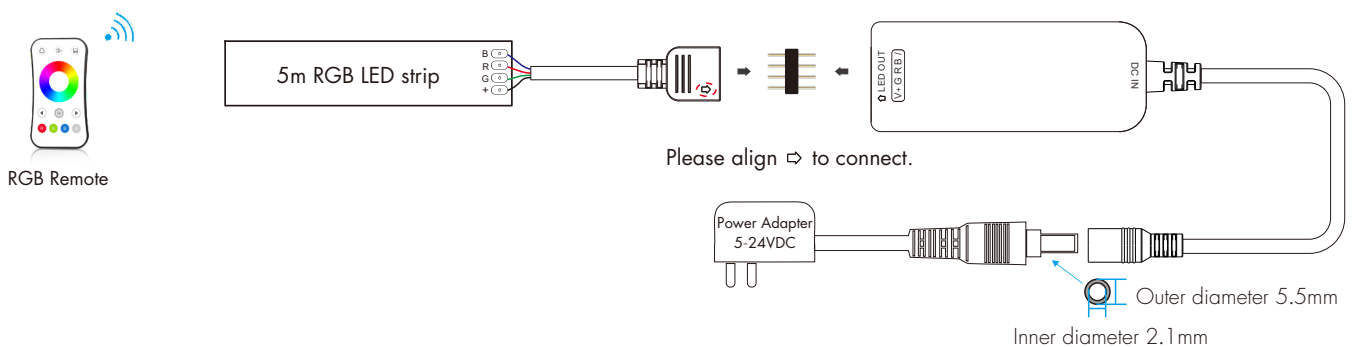
#### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Input signal	RF 2.4GHz + 3-button	EMC standard	EN IEC 55015 EN IEC 61547 ETSI EN 301 489-1/3
Output voltage	5-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 61347-1/-2
Output current	3CH, 1.5A/CH	Dimming gray scale	4096 (2 <sup>12</sup> ) levels	Radio equipment	ETSI EN 300 440
Output power	22.5W@5V 54W@12V 108W@24V	Dimming range	1 - 100%	Certification	CE RoHs
Environment		Dimming curve	Logarithmic	Package	
Operation temperature	Ta: -20°C ~ +50 °C	PWM frequency	2KHz (default)	Size	L80xW45xH30mm
Case temperature (Max.)	Tc: +85°C	Warranty	5 years	Gross weight	0.039kg
		Protection	Reverse polarity		

#### Mechanical Structures and Installations



#### Wiring Diagram



## Button Function



: Turn on or off light, long press 1-6s to continuously adjust the brightness.



: Short press to switch 24 static RGB colors in sequence.  
long press for 1-6s, adjust the color saturation continuously,  
i.e., transition the current static color to white.










: Short press to switch 10 dynamic modes,  
press and hold for 2s to sequentially switch 10 levels of dynamic change speed.

### Dynamic mode list :

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out



### Note:

1. Press and hold the  and  button for 2s, the output LED blinks 3 times, switch 0.5s and 3s on/off fade time.
2. Press and hold the ,  and  button for 2s, the output LED blinks several times, switch 'GRB' (blinks 1 time), 'RGB' (blinks 2 times), 'BRG' (blinks 3 times) and 'BGR' (blinks 4 times) output sequence.
3. Press and hold the  and  button for 10s, the output LED blinks 2 times, to restore factory settings, factory default parameters: 100% brightness, level 7 speed, 0.5s on/off fade, GRB sequence.

## Match with RF Remote Controller

There are two ways to match/delete:

### Use and button

Match:  
Press and hold  and  button for 2s,  
immediately press on/off key (single zone remote)  
or zone key (multiple zone remote) of the remote.  
The output LED blinks 3 times means match is successful.

Delete:  
Press and hold  and  button for 5s,  
The output LED blinks 5 times means all matched remotes were deleted.

### Use Power Restart

Match:  
Switch off the power, then switch on power, repeat again.  
Immediately short press on/off key (single zone remote)  
or zone key (multiple zone remote) 3 times on the remote.  
The output LED blinks 3 times means match is successful.

Delete:  
Switch off the power, then switch on power, repeat again.  
Immediately short press on/off key (single zone remote)  
or zone key (multiple zone remote) 5 times on the remote.  
The output LED blinks 5 times means all matched remotes were deleted.

## Dimming Curve

