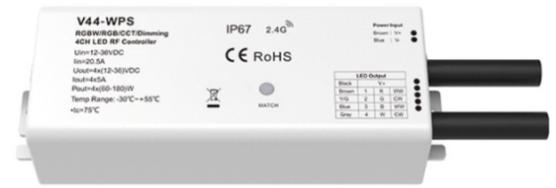


# V44-WPS

RF RGB/RGBW

## Waterproof 4 Channel Constant Voltage LED RF Controller

- Waterproof 4 channel constant voltage LED RF controller with IP67 rating, suitable for outdoor and damp environment.
- Match with RF 2.4G single zone or multiple zone single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB/RGBW light, built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Fade in and out effect selectable.



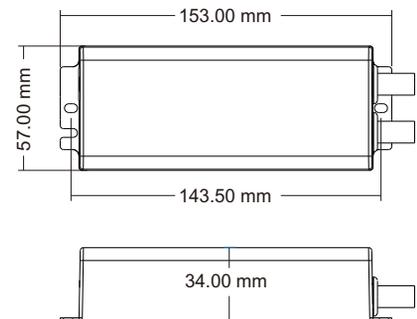
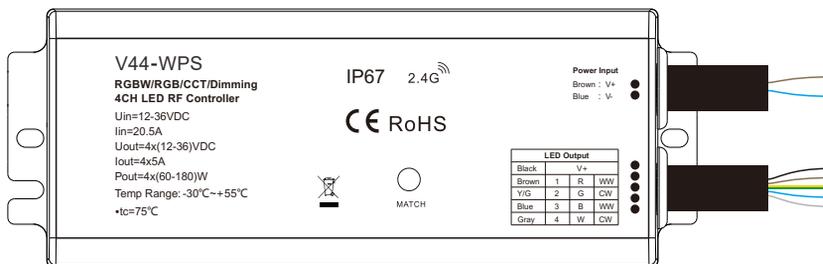
CE RoHS  LVD RED

IP67 waterproof/4 Channels/Step-less dimming/  
Wireless remote control/Auto-transmitting/Synchronize

### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-36VDC	Input signal	RF 2.4GHz	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Input current	20.5A	Control distance	30m(Barrier-free space)	Safety standard(LVD)	EN 62368-1:2020+A11:2020
Output voltage	4 x (12-36)VDC	Dimming gray scale	4096 (2 <sup>12</sup> ) levels	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output current	4CH,5A/CH	Dimming range	0 - 100%	Certification	CE,EMC,IVD,RED
Output power	4x(60-180W)	Dimming curve	Logarithmic	<b>Environment</b>	
Output type	Constant voltage	PWM Frequency	1000Hz (default)	Operation temperature	Ta: -30 °C ~ +55 °C
<b>Warranty</b>		<b>Package</b>		Case temperature (Max.)	Tc: +75 °C
Warranty	5 years	Size	L165x W98 x H72mm	IP rating	IP67
		Gross weight	0.492kg		

### Mechanical Structures and Installations



### Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

#### Use the controller's Match key

Match:

Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote. The light blinks 3 times means match is successful.

Delete:

Press and hold match key for 5s to delete all match, The light blinks 3 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 light blinks 3 times means match is successful.

Delete:

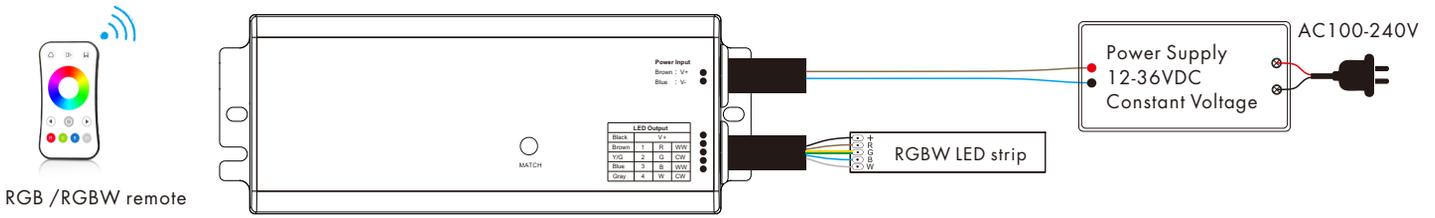
Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 3 times means all matched remotes were deleted.

### Fade in and Fade out Setting

Long press match key 5s, then short press match key 3 times, the lighting effect will be set to the fade in and fade out in 3s.  
Long press match key 10s, restore factory default parameter, the light blinks 10 times, the light on/off time restores to 0.5s.

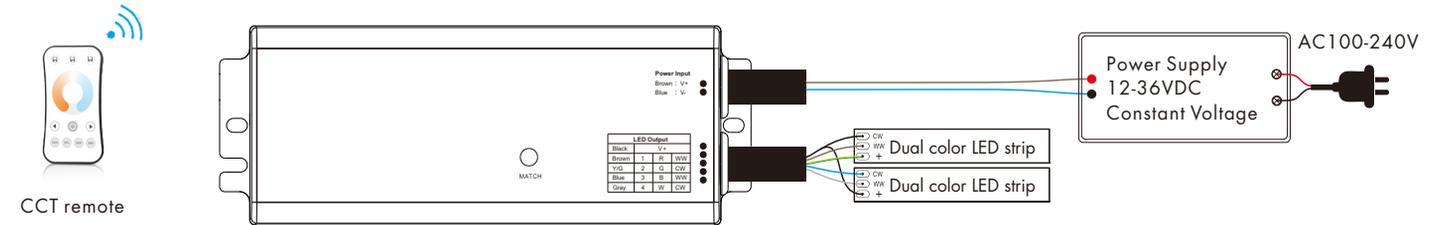
## Wiring Diagram

### • V4-WPS for RGB/RGBW

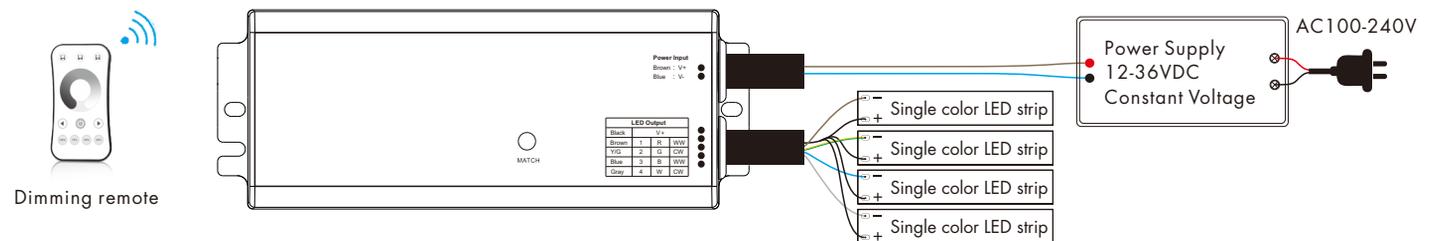


Note: If connect with RGB LED strip, please long press match key for 1.5s, the controller will become RGB type, the light blinks 5 times. (Long press match key for 10s will restore RGBW type)

### • V4-WPS for dual color



### • V4-WPS for single color



Note: The output power of a constant voltage power supply should be at least 1.2 times that of the output load (light strip), otherwise the full power output of the load can easily cause automatic flickering or shaking of the light.

## RGB/RGBW dynamic mode list

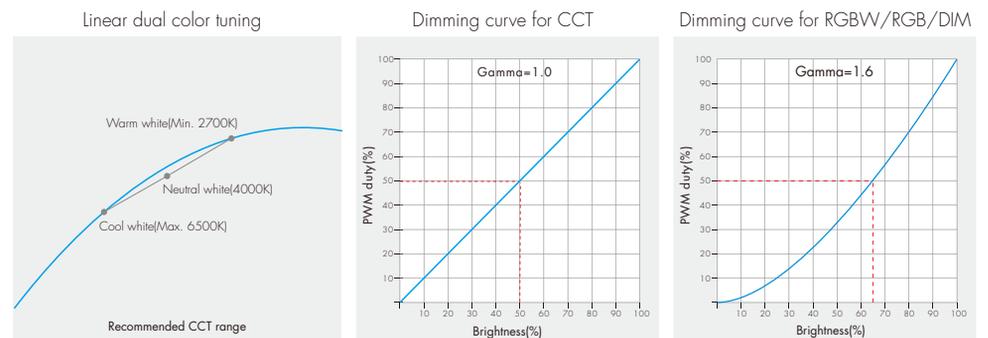
No.	Name
1	RGB jump
2	RGB smooth
3	6 color jump
4	6 color smooth
5	Yellow cyan purple smooth
6	RGB fade in and out
7	Red fade in and out
8	Green fade in and out
9	Blue fade in and out
10	White fade in and out

## Dual color control

CH1,CH3=Warm white LED CH2,CH4=Cool white LED

Each channel can supply up to 120W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	CH1=0W,CH2=120W CH3=0W,CH4=120W	CH1=60W,CH2=60W CH3=60W,CH4=60W	CH1=120W,CH2=0W CH3=120W,CH4=0W



## Installation Precautions

- 1.The products shall not be stacked, the distance should be  $\geq 20\text{cm}$ , so as not to affect lifespan of the products due to poor heat dissipation.
- 2.The product shall not be installed close to the switching power supply with an interval of  $\geq 20\text{cm}$  to avoid radiation interference of the switching power supply.
- 3.The installation height shall be  $\geq 1\text{m}$  from the floor to avoid shortening the remote control distance due to too weak reception signal.
- 4.The products are not allowed to be close to or covered by metal objects, with an interval of  $\geq 20\text{cm}$  to avoid signal attenuation and shorten the remote distance.
- 5.Avoid installation at the corner of the wall or the corner of the beam, with an interval of  $\geq 20\text{cm}$  to avoid signal interference.