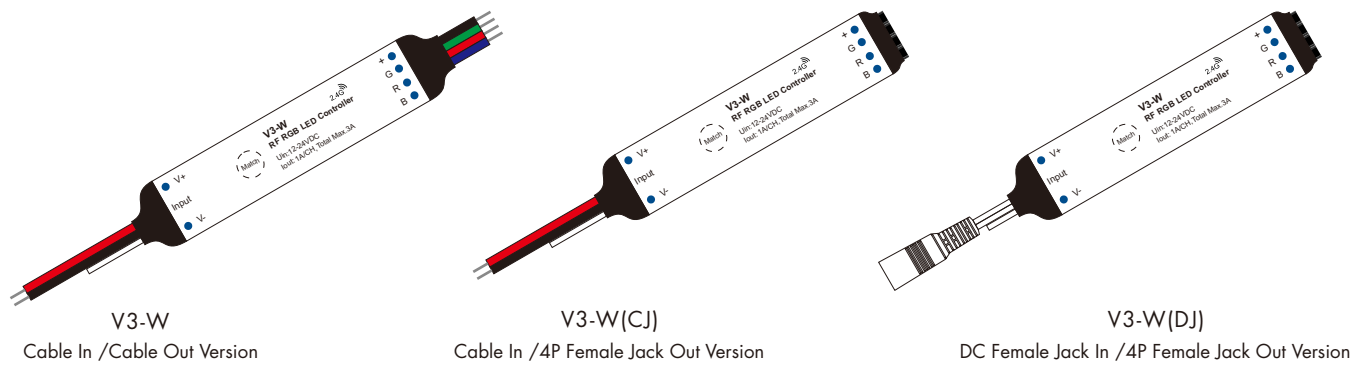


V3-W
RGB LED Mini RF Controller

RF RGB



CE RoHS RED

3 channel constant voltage / Max 75W / Stepless dimming / Wireless remote control

Model List

Model	Photo	Power Connector	LED Connector
V3-W		Red/Black Cable 10cm	4-color Flat Cable 10cm
V3-W(CJ)		Red/Black Cable 10cm	4-pin Flat Female Jack
V3-W(DJ)		5.5mm DC Female Jack	4-pin Flat Female Jack

Features

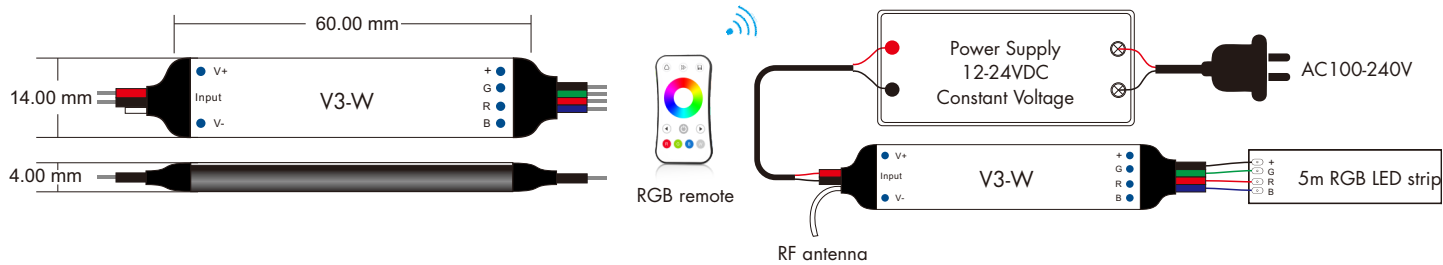
- 3 channel constant voltage RGB LED mini RF controller.
- 1A per channel, output connect with 5 meters RGB LED strip, max output power 75W.
- Match with RF 2.4G single zone or multiple zone RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- 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.

Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	RF 2.4GHz	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Output current	Max. 75W	Dimming gray scale	4096 (2^12) levels	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output type	Constant voltage	Dimming range	0-100%	Certification	CE,EMC,RED
Environment		Dimming curve	Logarithmic	Package	
Operation temperature	Ta: -30℃ ~ +55℃	PWM frequency	500Hz (default)	Size	L90x H130mm
Case temperature (Max.)	Tc: +85℃	Warranty		Gross weight	0.038kg
IP rating	IP20	Warranty	5 years		

Dimension

Wiring Diagram



Match Remote Control

End user can choose the suitable match/delete ways. Three 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) on 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 5 times means all matched remotes were deleted.

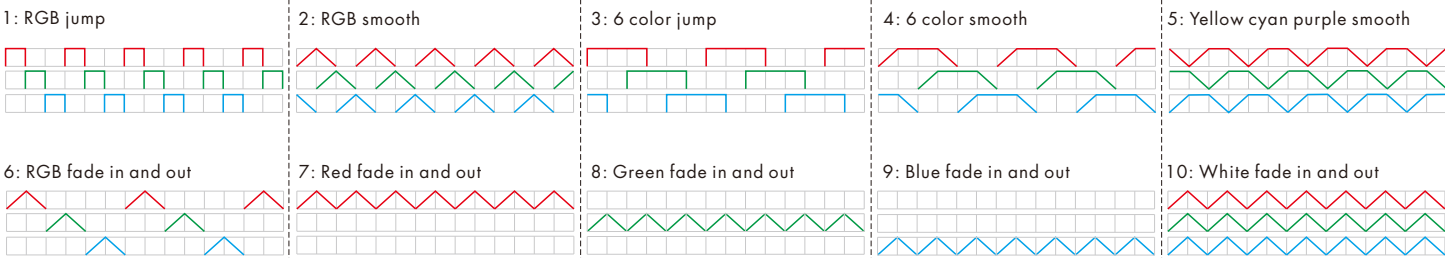
Use Power Restart

Match:
Switch off the power of the receiver, then switch on power.
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.

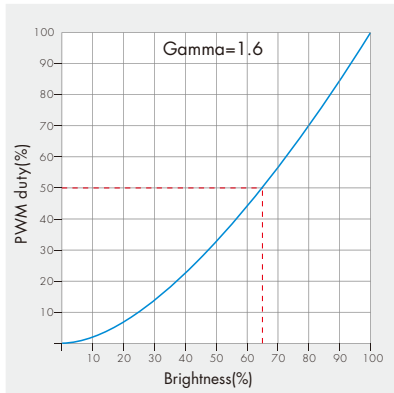
Delete:
Switch off the power of the receiver, then switch on power.
Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

Another way to match:
The receiver is power on for five consecutive times,
the LED strip light start blinking slowly for 10s,
Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) on the remote.
The light blinks 3 times means match is successful.

RGB Dynamic Mode List



Dimming Curve



Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B wires.	1. Reconnect R/G/B wires.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

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.