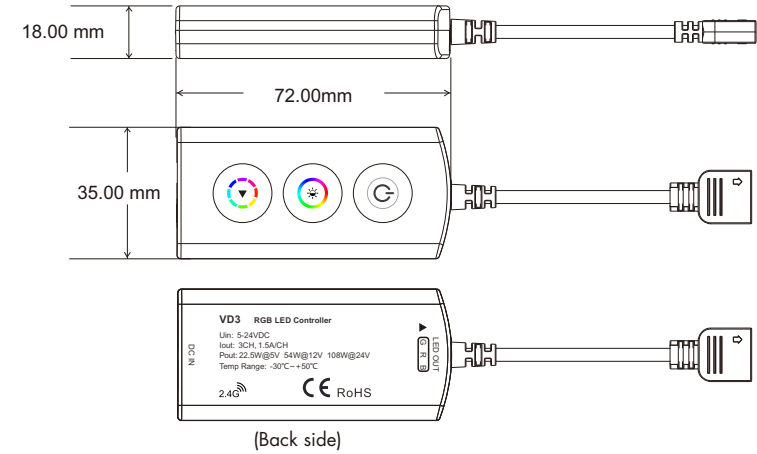


VD3

3-Button RF RGB LED Controller

RF RGB

Dimension



CE RoHS

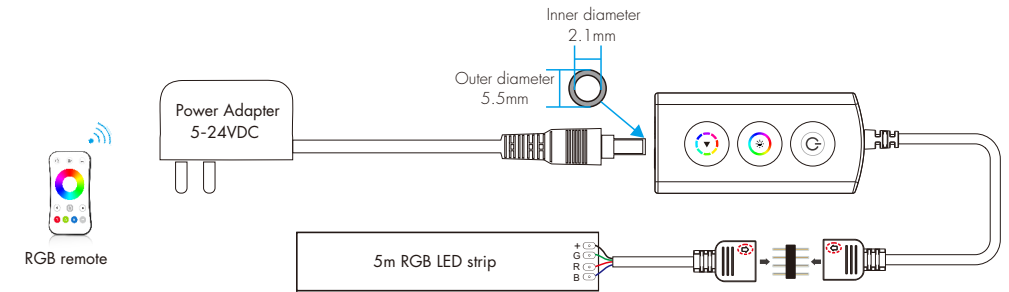
Features

- 3 channel constant voltage RGB LED RF controller.
- 1.5A per channel, output connects with 5 meters RGB LED strip.
- 3 buttons operation with on/off, mode and color adjustment.
- Match with 2.4G single zone or multiple zone RGB remote control optional.
- 4096 levels 0-100% dimming smoothly without any flash.
- Built in 10 dynamic modes, include jump or gradual change style.

Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Input signal	3 button + RF 2.4GHz	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 level	4096 (2^12) levels	Radio Equipment	ETSI EN 300 440
Output power	22.5W@5V	Dimming range	0-100%	Certification	CE RoHS
	54W@12V	Dimming curve	Logarithmic	Package	Size L120 x W43 x H27mm
Environment	108W@24V	PWM Frequency	2KHz (default)		
	Operation temperature	Ta: -30°C ~ +50°C	Warranty	5 years	Gross weight 0.013kg
	Case temperature (Max.)	Tc: +85°C	Protection	Over-heat	

Wiring Diagram



Note:

1. Press and hold the and button for 2s, output LED flashes 3 times, the light on/off fade time will change between 3s and 0.5s.
2. Press and hold the , and button for 2s, output LED flashes multiple times, switch between "GRB" (flashes 1 times), "RGB" (flashes 2 times), "BRG" (flashes 3 times) and "BGR" (flashes 4 times) output sequences.
3. Press and hold the and button for 10s, output LED flashes 7 times, the controller restores the factory default settings.
Factory default: Switch fade time 0.5s, strip sequence GRB.

Button Function



: Turn on or off light.



: Short press to change 24 static RGB color, long press for 1-6s to adjust 256 levels brightness continuously.



: Short press to change 10 dynamic mode, long press 2s to adjust speed, 10 levels.

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

Match Remote Control (optional)

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

Use  and  button

Match:
Long press  and  button 2s, the output LED blinks 2 times, 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.

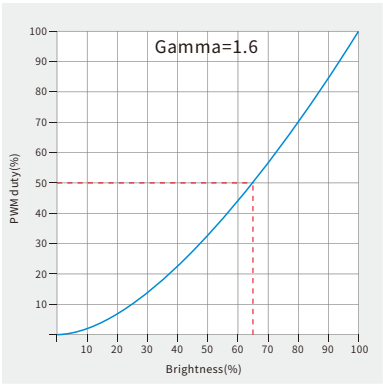
Delete:
Press and hold  and  button for 5s to delete all match, The output LED blinks 5 times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power, then switch on power 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 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

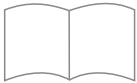


Packing List

White:



LED Controller
1 pcs



User Manual
1 pcs



Extension Cable
(12cm)
1 pcs

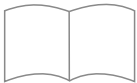


4-Pin Plug
1 pcs

Black:



LED Controller
1 pcs



User Manual
1 pcs



Extension Cable
(12cm)
1 pcs



4-Pin Plug
1 pcs