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SuperLightingLED VD3 3 Button RF RGB LED Controller

SuperLightingLED VD3 3 Button RF RGB LED Controller Owner's Manual

Contents

SUPERLIGHTINGLED

SuperLightingLED VD3 3 Button RF RGB LED Controller

Models

Model No.: VD3

3 channel constant voltage/Max 4.5A output/3-button/Wireless remote control/Step-less dimming

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 colour adjustment.
- Match with 2.4G single zone or multiple zone RGB remote control optional.
- 256 levels 0-100% dimming smoothly without any flash.
- Built-in 10 dynamic modes, including jump or gradual change style.
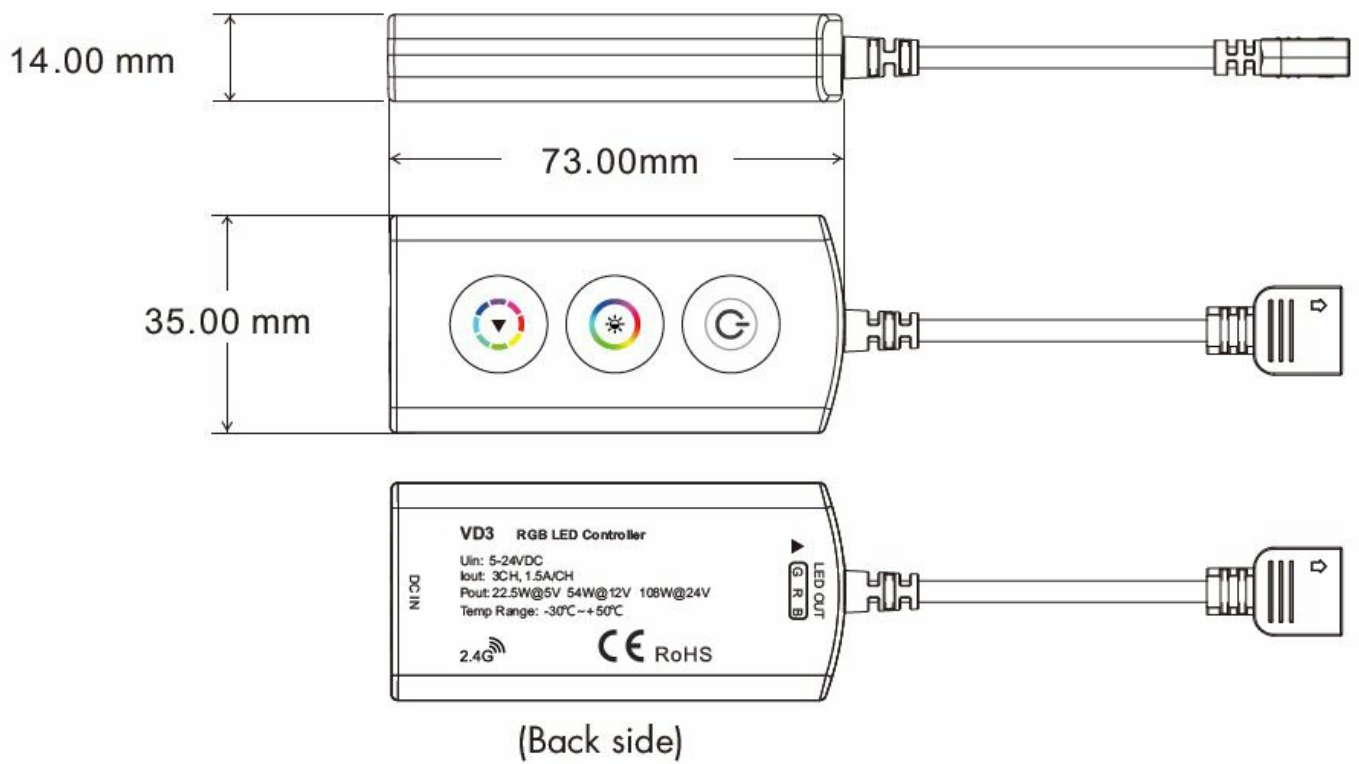
Technical Parameters

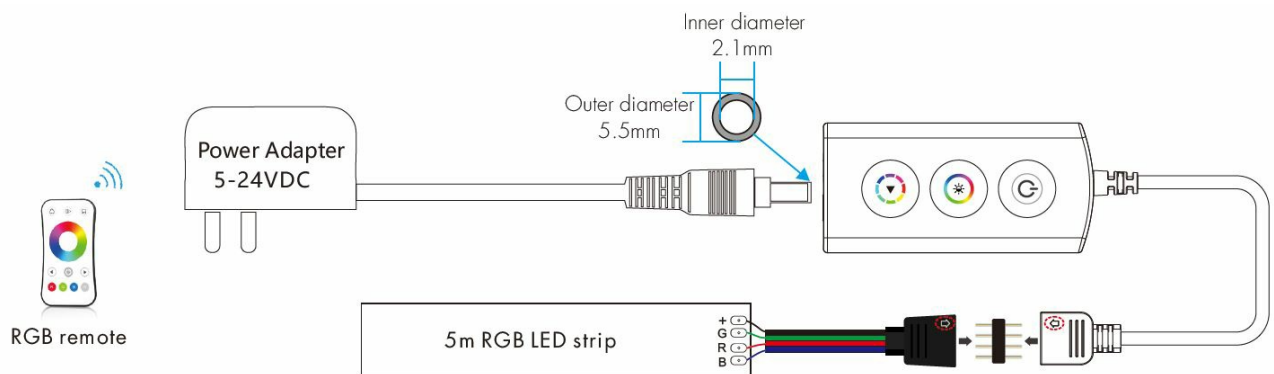| Input and Output	
Input voltage	5-24VDC
Output voltage	5-24VDC
Output current	3CH, 1.5A/CH
Output power	22.5W@5V 54W@12V 108W@24V
Environment	
Operation temperature	Ta: -30 OC ~ +50 OC
Case temperature (Max.)	Tc: +85 OC

Dimming data

Input signal	3 button + RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming grayscale	4096 (2^12) levels
Dimming range	0 -100%
Dimming curve	Logarithmic
PWM Frequency	2KHz (default)
Warranty	5 years
Protection	Over-heat

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certi cation	CE, EMC, RED
Package	
Size	W120 x L43 x H27mm
Gross weight	0.013kg

Dimension

VD3   RGB LED Controller
Uin: 5-24VDC
Iout: 3CH, 1.5A/CH
Pout: 22.5W@5V   54W@12V   108W@24V
Temp Range: -30℃~+50℃

2.4G   CE RoHS

(Back side)

Wiring Diagram

Inner diameter
2.1mm

Outer diameter
5.5mm

Power Adapter
5-24VDC

RGB remote

5m RGB LED strip

Note:

1. Press and hold the ⏻ and ▷ button for 2s, the output LED flashes 3 times, and 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 time), "RGB" (flashes 2 times), "BRG" (flashes 3 times) and "BGR" (flashes 4 times) output sequences, default is GRB.

Button Function

- ⏻ : Turn on or off the light.

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

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

Dynamic mode list:

Match Remote Control

Match Remote Control (optional)
The 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 the on/off key (single zone remote) or zone key (multiple zone remote) of the remote.
- The output LED blinks 3 times means the match is successful.

Delete:

Press and hold and button for 5s to delete all matches, The output LED blinks 5 times means all matched remotes were deleted.
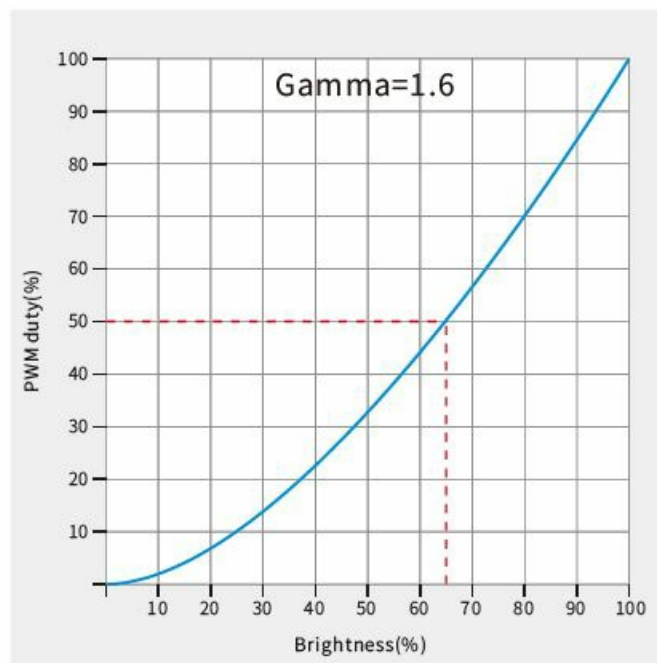
Use Power Restart

Match:

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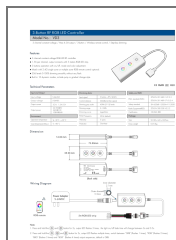- The output LED blinks 3 times means the match is successful.

Delete:

- Switch off the power, then switch on power again, and immediately short press the 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

Gamma=1.6

Documents / Resources

SuperLightingLED VD3 3 Button RF RGB LED Controller [pdf] Owner's Manual
VD3, VD3 3 Button RF RGB LED Controller, 3 Button RF RGB LED Controller, RF RGB LED Controller, RGB LED Controller, LED Controller, Controller

References

- **User Manual**