

VD3

3-Button RF RGB LED Controller

RF RGB

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.

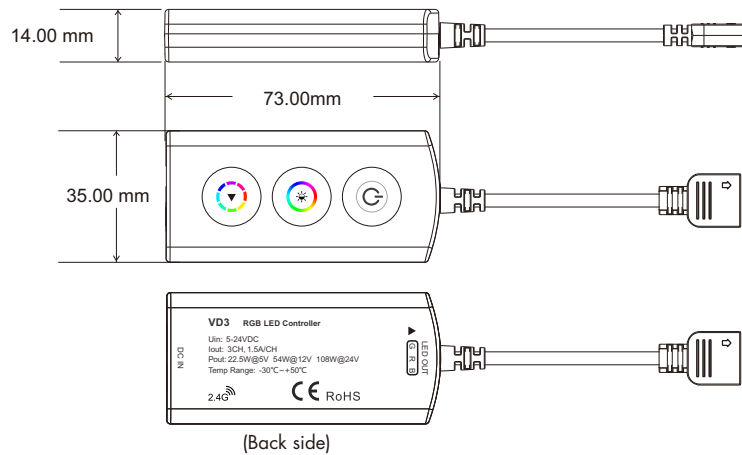


CE RoHS

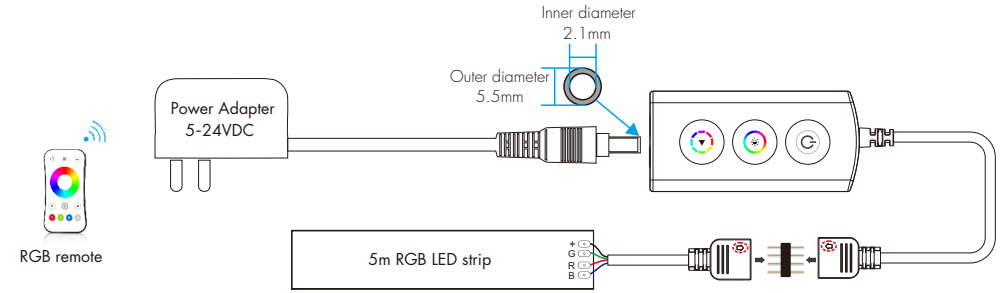
Technical Parameters

| 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 | | |
| | 108W@24V | PWM Frequency | 2KHz (default) | | |
| Environment | | Package | | | |
| Operation temperature | Ta: -30°C ~ +50°C | Warranty | 5 years | Size | L120 x W43 x H27mm |
| Case temperature (Max.) | Tc: +85°C | Protection | Over-heat | Gross weight | 0.013kg |

Dimension



Wiring Diagram



Note:

1. Press and hold the (power) and (color) 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 (power), (color), and (mode) 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, default is 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

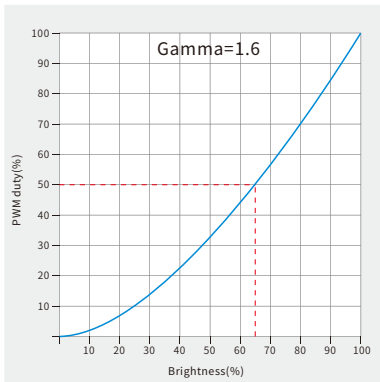
Match:

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.

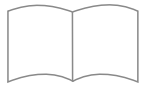
Dimming Curve



Packing List



LED Controller
1 pcs



User Manual
1 pcs



Extension Cable
(12cm)
1 pcs



4-Pin Plug
1 pcs