

V4-KD

RGBW LED Knob Controller

Features

- Used for control RGBW LED strips.
- Short press the knob to turn light on/off, rotate to adjust RGB color and white brightness.
- 4096 levels dimming smoothly without any flash.
- LED indicates the status during operation.
- Built-in 10 dynamic modes, including jumps and fades.
- Match with RF 2.4G single zone or multiple zone RGBW remote control optional.
- Can be used as RF remote control, output RF 2.4G signal, remote control other RF RGBW LED controller or RF dimming driver.



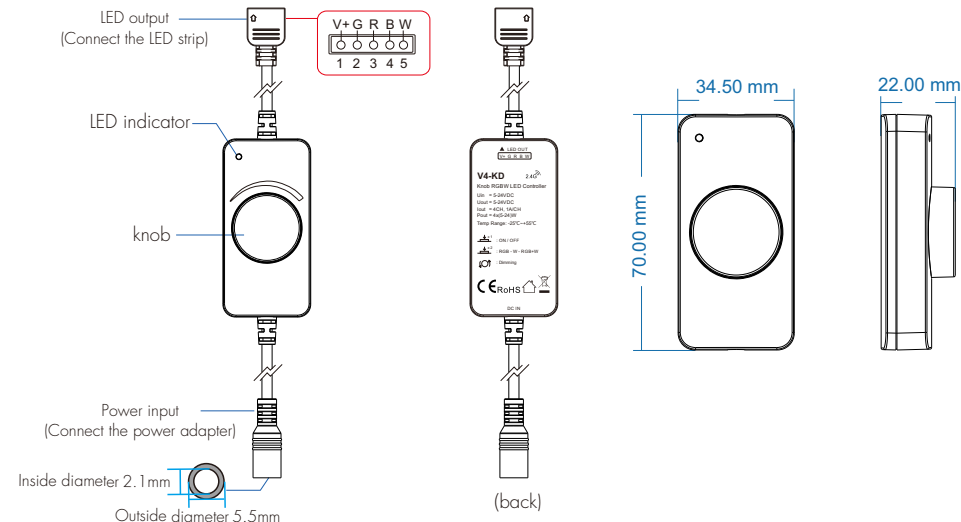
RF RGBW

CE RoHS

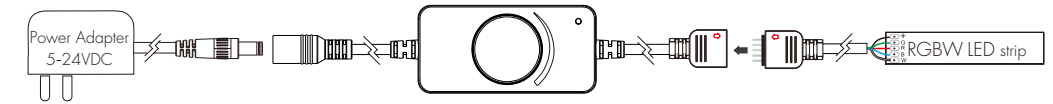
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Input signal	Knob + 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	4CH, 1A/CH	Dimming gray scale	4096 levels	Radio Equipment	ETSI EN 300 440
Output power	4x(5-24)W	Dimming range	0 - 100%	Certification	CE RoHS
PWM frequency	2000Hz				
Dimming curve	Logarithmic				
Warranty and Protection		Environment		Package	
Warranty	5 years	Operation temperature	Ta: -25°C ~ +55°C	Size	110x57x28mm(LxWxH)
Protection	Reverse polarity, over-heat	Case temperature (Max.)	Tc: +85°C	Gross weight	0.054kg
		IP rating	IP20		

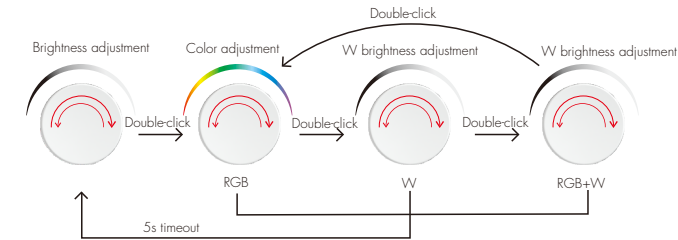
Mechanical Structures and Installations



Wiring Diagram



Knob Function



Short press: Turn on or off the light.

Double click: Sequentially switch color (RGB), white (W) and RGB+W (RGB and white on at the same time).
at the same time enter knob adjust color (red - yellow - green - cyan - blue - purple) or white light brightness state.
After 5 seconds of no operation, it automatically returns to the knob to adjust the brightness state.

Rotation: When knob adjust brightness, rotate clockwise to increase the brightness, rotate counterclockwise to decrease brightness (1 turn, 21 levels).
When knob adjust color (RGB), rotate clockwise to change from red to purple, rotate counterclockwise to change from purple to red (3 turns, 60 levels).
When knob adjust white light brightness (W or RGB+W), rotate clockwise to increase the white light brightness, rotate counterclockwise to decrease the white light brightness (1 turn, 20 levels).
Adjust the brightness by default.

V4-KD Match RF Remote Control (power-on match method)

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 5 times means all matched remotes were deleted.

V4-KD Used as RF Remote Control

The V4-KD can be matched with one or more RF RGBW LED controllers/RF dimming driver to remotely control other fixtures by knob.

For example, two V4-KD controllers are match with each other for synchronized control.

Two match/deletion methods are available.

Use the controller's Match key

Match:

Short press the controller's match key, immediately short press the knob.
The LED indicator fast flash a few times means match is successful.

Delete:

Press and hold the controller's match button for 5 s.
The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

Match:

Switch off the power of the controller, then switch on power, repeat again.
Immediately press the knob briefly and 3 times quickly.
The light blinks 3 times means match is successful.

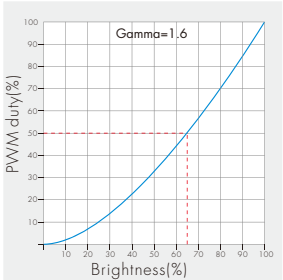
Delete:

Switch off the power of the controller, then switch on power, repeat again.
Immediately press the knob briefly and 5 times quickly.
The light blinks 5 times means all matched remotes were deleted.

Dynamic Change Mode (called up by RF remote control)

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	Color temperature smooth	10	White fade in and out

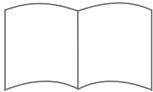
Dimming Curve



Packing List



LED Controller
1 pcs



User Manual
1 pcs



Extension Cable
(12.5cm)
1 pcs