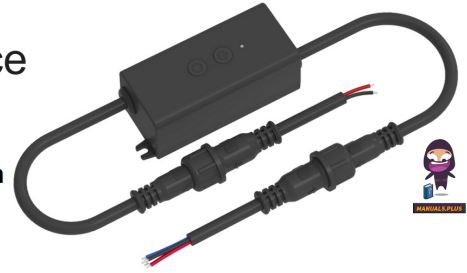


iskydance  
**V4-WPM**  
**Waterproof**  
**RF 2 Button**  
**RGBW LED**  
**Controller**



## iskydance V4-WPM Waterproof RF 2 Button RGBW LED Controller Owner's Manual

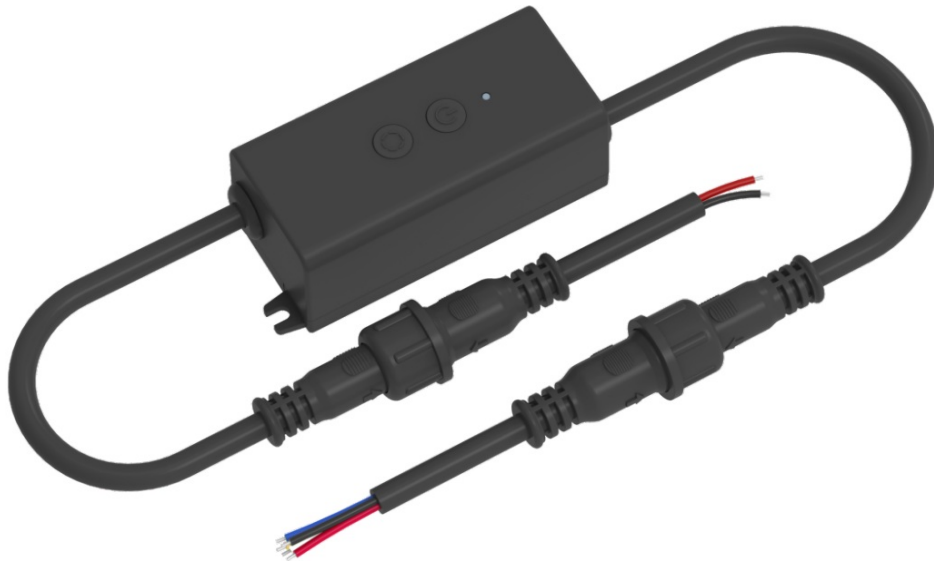
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# iskydance

iskydance V4-WPM Waterproof RF 2 Button RGBW LED Controller



## Specifications

- **Product Name:** V4-WPM Waterproof RF 2-Button RGBW LED Controller
- **Input Voltage:** 12-24VDC
- **Output Voltage:** 12-24VDC
- **Output Current:** 4CH, 1A/CH
- **Output Power:** 48W@12V, 96W@24V
- **Output Type:** Constant Voltage
- **IP Rating:** IP67
- **Warranty:** 5 years
- **Dimming Range:** 1 – 100%
- **Control Distance:** 30m (Barrier-free space)
- **Dimming Gray Scale:** 4096 levels
- **Dimming Curve:** Logarithmic
- **PWM Frequency:** 2000Hz
- **Operating Temperature:** -20°C to +50°C
- **Case Temperature (Max.):** +85°C

## Product Usage Instructions

### Mechanical Structures and Installations

- The V4-WPM RF RGBW LED Controller features a compact design with dimensions of L112 x W80 x H45mm and a weight of 0.130kg.
- It includes a 40cm light set button, LED indicator, on/off button, and various connectors for power input and LED output.

### Wiring Diagram

Connect the V4-WPM controller to a power supply (12-24VDC) and an RGBW LED strip using the provided wiring diagram. Ensure proper alignment and tightening of connectors.

## Button Functions

- The 2-button operation allows for various functions.
- **Short press:** Turns on/off.
- **Long press (1- 6s):** Continuous brightness adjustment (dimming range 1-100%).
- **Short press:** Enter static mode and switch between 8 static colors.
- **Double click:** Enter dynamic mode and switch between 4 dynamic modes.
- **Long press:** Adjust color saturation in static mode or switch dynamic change speed in dynamic mode.

## Match With RF Remote Controller

- To match or delete remote controllers.
- **Match using Match key:** Press and hold a button for 2s, then press the on/off key or zone key on the remote to complete the match.
- **Match using Power Restart:** Switch off and on the power of the controller, then press the on/off key or zone key on the remote multiple times to match.
- **Delete:** Press and hold a button for 5 seconds to delete all matched remotes.

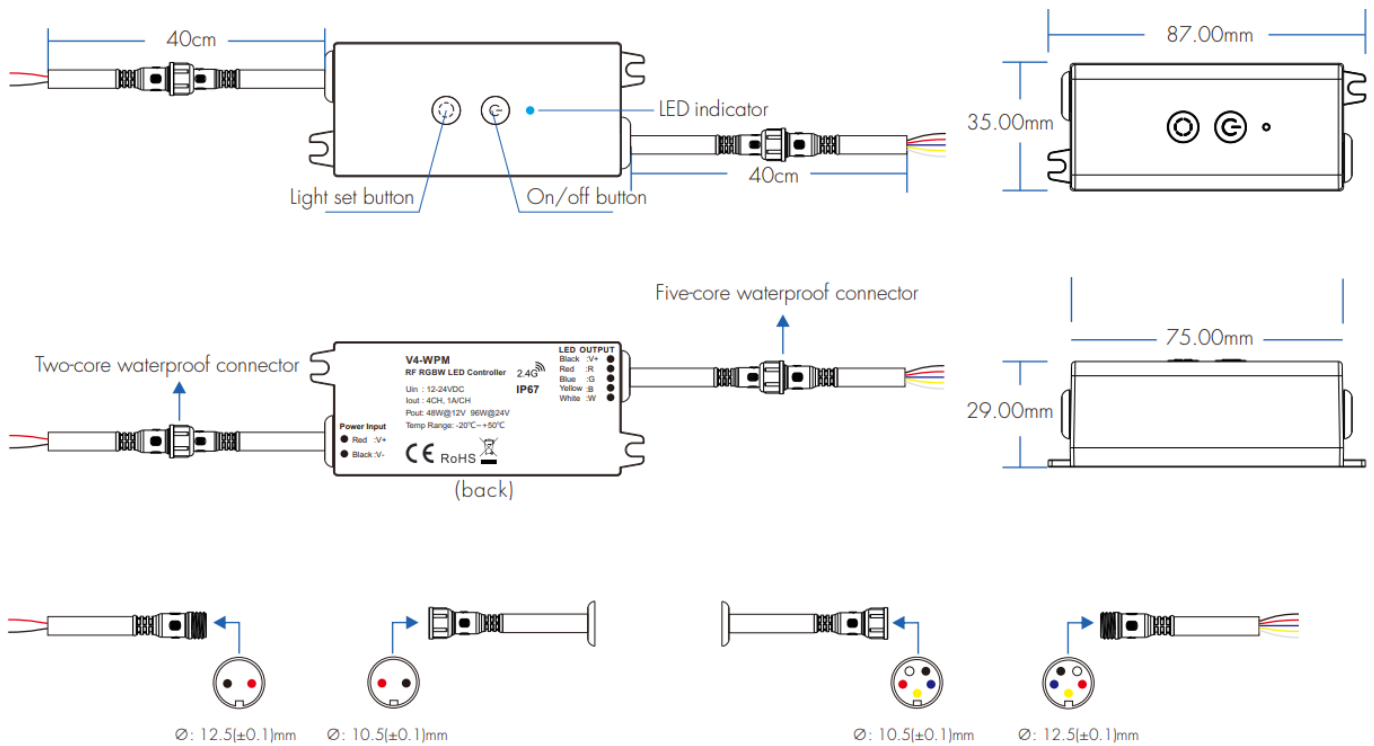
## FEATURES

- RF RGBW LED controller with 4-channel constant voltage output.
- IP67 rating, internal gluing, suitable for outdoor and damp environments.
- 2-button operation, support on/off light, adjust brightness, color, dynamic mode and dynamic speed.
- 10 built-in dynamic modes, including jump and fade.
- 4096 levels dimming smoothly without any flash.
- Match with RF 2.4G single or multi-zone RGBW remote controller optional.

## Technical Parameters

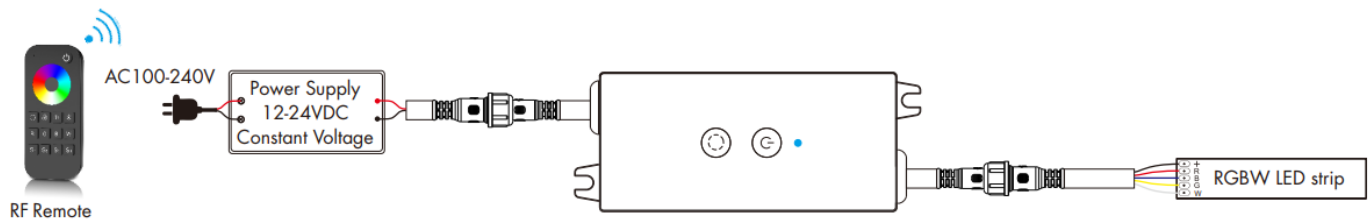
Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	2-button + RF 2.4GHz	Safety standard	EN 61347-1/-2
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)	EMC standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3
Output current	4CH, 1A/CH	Dimming gray scale	4096 (2 <sup>12</sup> ) levels	Radio Equipment	ETSI EN 300 440
Output power	48W@12V 96W@24V	Dimming range	1 -100%	Certification	CE RoHs
Output type	Constant Voltage	Dimming curve	Logarithmic	<b>Environment</b>	
<b>Warranty and Protection</b>		PWM Frequency	2000Hz	Operation temperature	Ta: -20°C ~ +50°C
Warranty	5 years	<b>Package</b>		Case temperature (Max.)	Tc: +85°C
Protection	Reverse polarity	Size	L112xW80xH45mm	IP rating	IP67
		Gross weight	0.130kg		

## Mechanical Structures and Installations





**NOTE:** When installing, align the insert and tighten the nut.

## Wiring Diagram



## Button Function



-  **Short press:** Turns on/off.
- **Long press (1- 6s):** Continuous brightness adjustment, dimming range 1-100%.
-  **Short press:** Enter static mode and switch 8 static colors (red – orange – yellow – green – cyan – blue – purple – white).
- **Double click:** Enter dynamic mode and switch 4 dynamic modes (6 color jump, 6 color fade, white jump, white fade).
- The white color jumps in the order of 25%, 50% and 100% brightness.
- **Long press:** In static mode, long press for 1- 6s, adjust the color saturation continuously, i.e., the current static color to white gradient transition.
- In dynamic mode, long press for 2s to sequentially switch 5 levels of dynamic change speed, and the LED indicator blinks 1 time for every level of switching.

## Match With RF Remote Controller



There are two ways to match/delete.

## Use Match key

### Match:

- Press and hold  button  2s, the LED indicator blinks slowly, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.
- The LED indicator stop blinks means the match is successful.

### Delete:

- Press and hold  the  button 5s,
- The LED indicator's fast flash 5 times means all matched remotes were deleted.

## Use Power Restart

### Match:

- Switch off the power of the controller, then switch on power, repeat.
- Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote.
- The light blinking 3 times means the match is successful

### Delete:

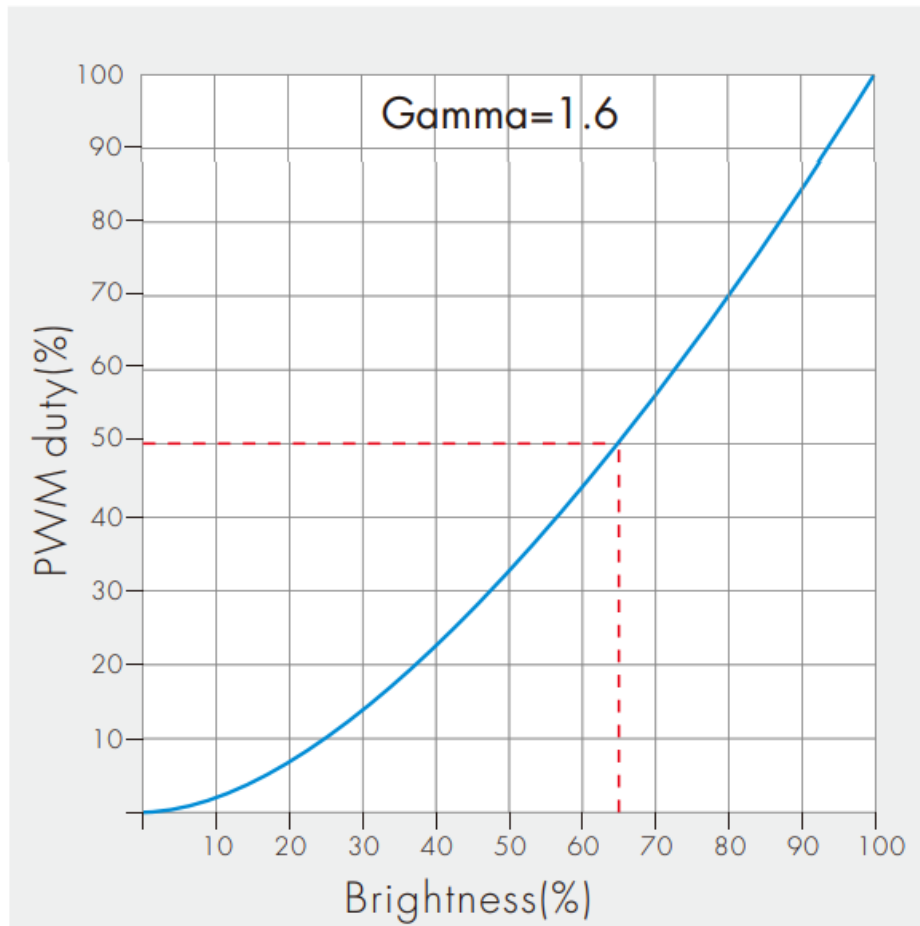
- Switch off the power of the controller, then switch on power, repeat.
- Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
- The light blinking 5 times means all matched remotes were deleted..

## 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 fades in and out
3	6 color jump	8	Green fades in and out
4	6 color smooth	9	Blue fades in and out
5	Yellow, cyan, purple smooth	10	White fades in and out

## Dimming Curve



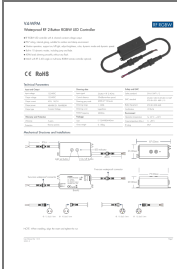
## Safety Information

1. Do not install it with electricity.
2. Please use it within the working temperature range of -20 ~+50 to ensure the stable performance of the product.
3. Avoid prolonged immersion in water.
4. Avoid using it in large metal areas or areas with strong electromagnetic waves; otherwise, the remote control distance will be affected.

## Frequently Asked Questions

- **Q: What is the warranty for the V4-WPM Waterproof RF 2-Button RGBW LED Controller?**
  - **A:** The product comes with a 5-year warranty.
- **Q: What is the maximum control distance of the controller?**
  - **A:** The control distance is up to 30m in a barrier-free space.
- **Q: How many dynamic modes are built into the controller?**
  - **A:** The controller has 10 built-in dynamic modes, including jump and fade effects.

## Documents / Resources



[iskydance V4-WPM Waterproof RF 2 Button RGBW LED Controller](#) [pdf] Owner's Manual V4-WPM, RFRGBW, V4-WPM Waterproof RF 2 Button RGBW LED Controller, V4-WPM, Waterproof RF 2 Button RGBW LED Controller, Button RGBW LED Controller, LED Controller

References

- [User Manual](#)

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