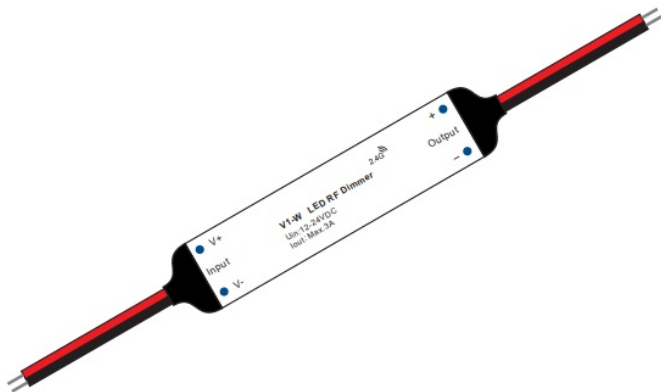


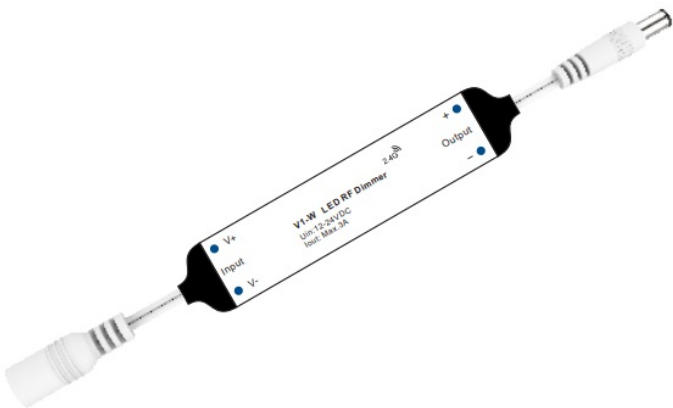
iskydance V1-W Single Color LED Mini RF Controller Instruction Manual

[Home](#) » [iskydance](#) » iskydance V1-W Single Color LED Mini RF Controller Instruction Manual 

iskydance V1-W Single Color LED Mini RF Controller



V1-W
Cable In /Cable Out Version


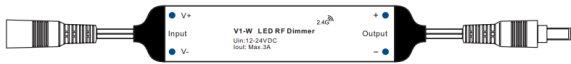


V1-W(D)
DC Female Jack In /DC Male Jack Out Version

Contents

- [1 Model List](#)
- [2 Features](#)
- [3 Dimension](#)
- [4 Technical Parameters](#)
- [5 Wiring Diagram](#)
- [6 Match Remote Control](#)
- [7 Application notes](#)
- [8 Dimming Curve](#)
- [9 Malfunctions analysis & troubleshooting](#)
- [10 Documents / Resources](#)
- [11 Related Posts](#)

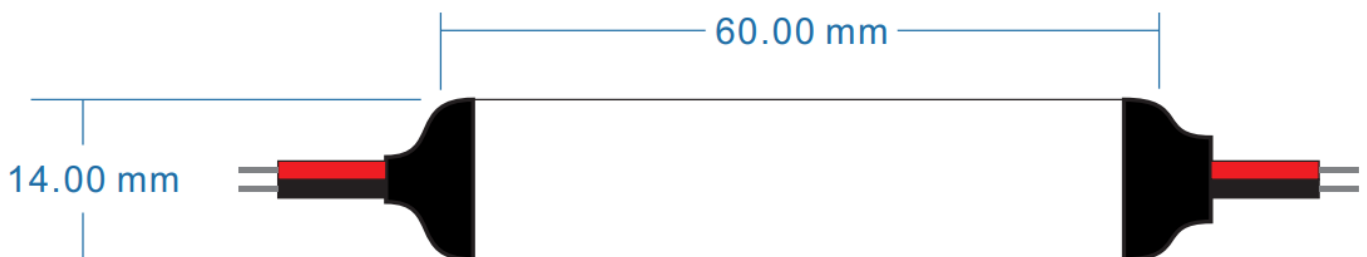
Model List

Model	Photo	Power Connector	LED Connector
V1-W		Red/Black Cable 10 cm	Red/Black Cable 10cm
V1-W(D)		5.5mm DC Female Jack	5.5mm DC Male Jack

Features

- 1 channel constant voltage single color LED mini RF controller.
- 3A per channel, output connect with 5 meters single color LED strip, max output power 75W.
- Match with RF 2.4G single zone or multiple zone dimming remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.

Dimension



Technical Parameters

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output power	Max. 75W
Output type	Constant voltage

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Warranty and Protection

Warranty

5 years

Protection

Reverse Polarity

Dimming data

Input signal

RF 2.4GHz

Control distance

30m(Barrier-free space)

Dimming gray scale

4096 (2^{12}) levels

Dimming range

0 -100%

Dimming curve

Logarithmic

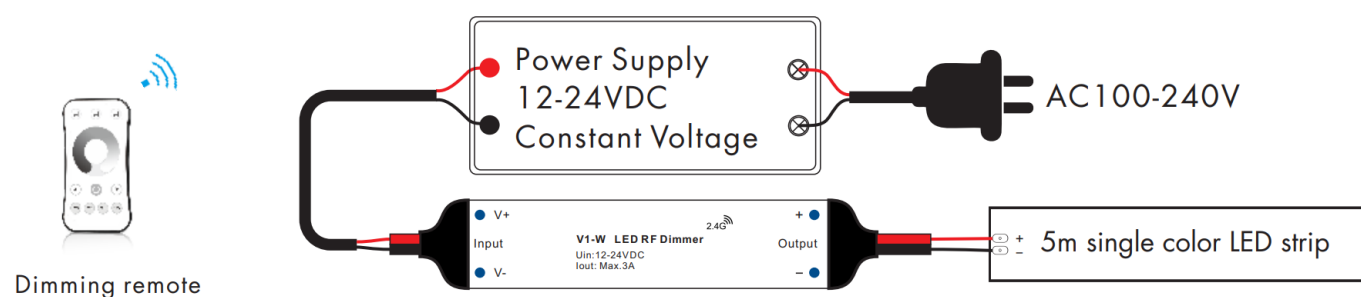
PWM Frequency

500Hz (default)

Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
Case temperature (Max.)	T c: +85OC
IP rating	IP20

Weight	
Net weight	0.007kg
Gross weight n	0.013kg

Wiring Diagram



Match Remote Control

Match:

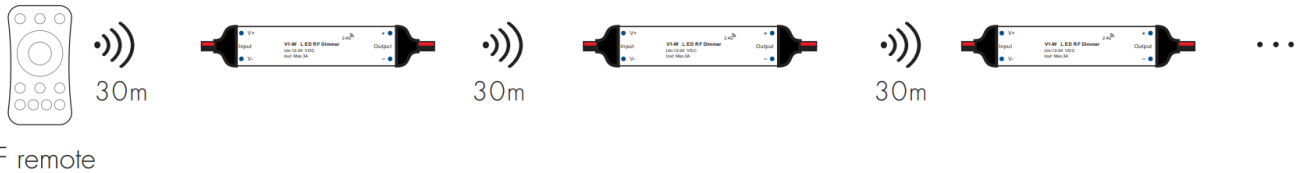
Switch off the power of the receiver, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power of the receiver, 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.

Application notes

1. All the receivers in the same zone.



Auto-transmitting: One receiver can transmit the signals from the remote to another receiver within 30m, as long as there is a receiver within 30m, the remote control distance can be limitless.

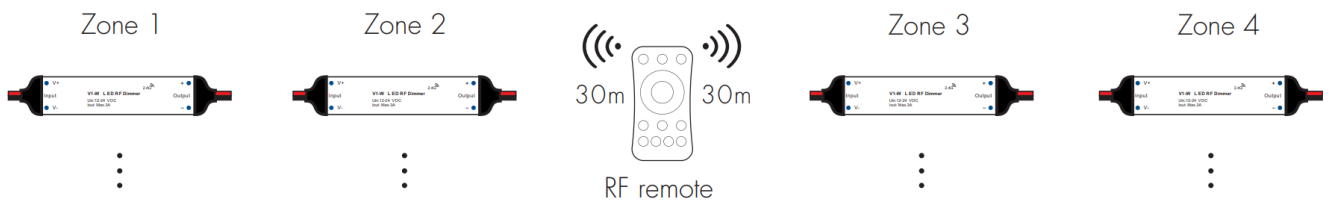
Auto-synchronization: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote.

Receiver placement may offer up to 30m communication distance. Metals and other metal materials will reduce the range.

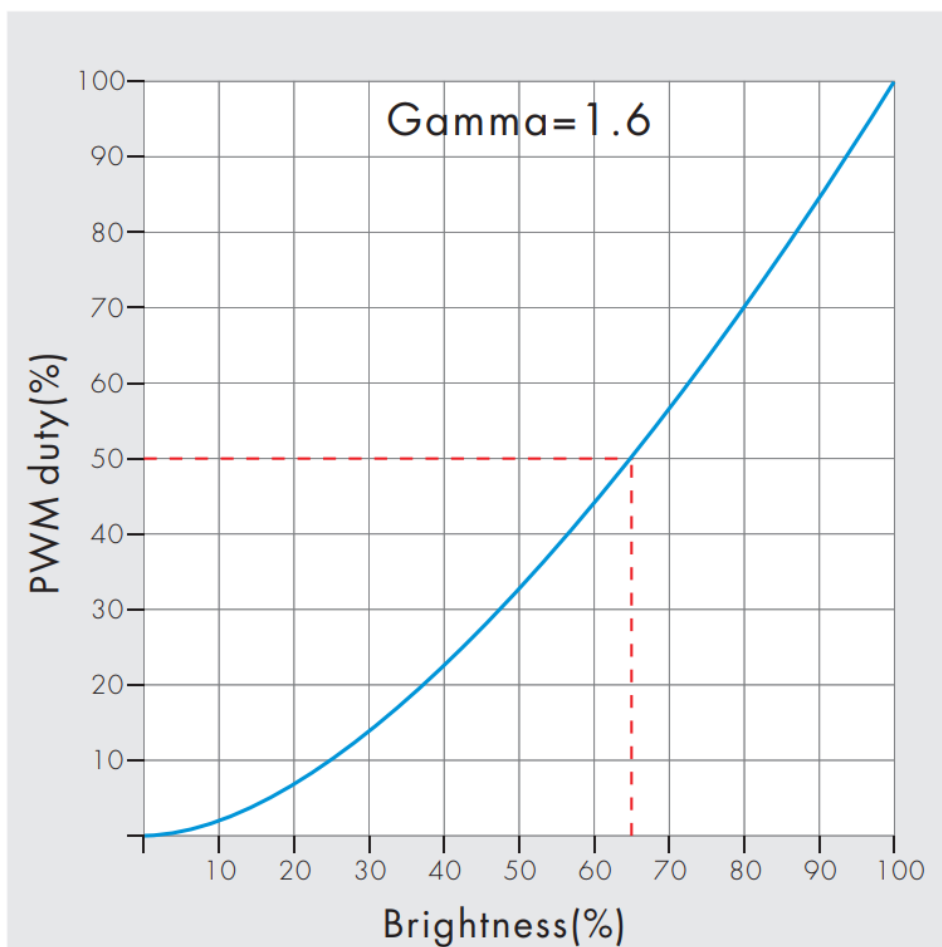
Strong signal sources such as WiFi routers and microwave ovens will affect the range.

We recommend for indoor applications that receiver placements should be no further apart than 15m.

2. Each receiver(one or more) in a different zone, like zone 1, 2, 3 or 4.



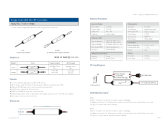
Dimming Curve



Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	<ol style="list-style-type: none"> 1. No power. 2. Wrong connection or insecure. 	<ol style="list-style-type: none"> 1. Check the power. 2. Check the connection.
No response from the remote	<ol style="list-style-type: none"> 1. The battery has no power. 2. Beyond controllable distance 3. The controller did not match the remote. 	<ol style="list-style-type: none"> 1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

Documents / Resources

	iskydance V1-W Single Color LED Mini RF Controller [pdf] Instruction Manual V1-W Single Color LED Mini RF Controller, V1-W, Single Color LED Mini RF Controller, Color L ED Mini RF Controller, Mini RF Controller, RF Controller, Controller
--	---