



SKYDANCE V3-M Rgb Mini Led Controller Owner's Manual




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SKYDANCE V3-M Rgb Mini Led Controller



RGB LED Mini RF Controller Model No.: V3-M, V3-M(CJ), V3-M(DJ)

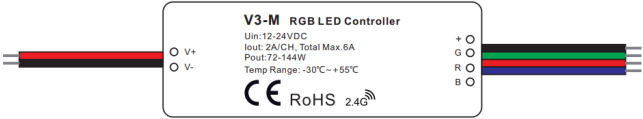
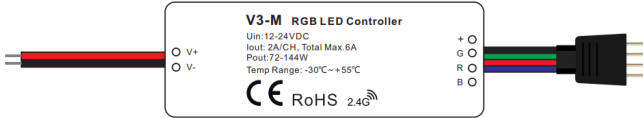
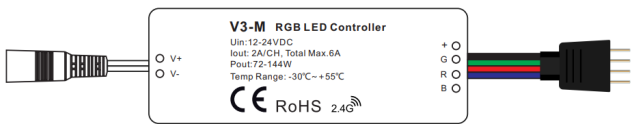
3 channel constant voltage/Max 6A output/Step-less dimming/Wireless remote control

		
<p>V3-M Cable In /Cable Out Version</p>	<p>V3-M(CJ) DC Female Jack In /4P Female Jack Out Version</p>	<p>V3-M(DJ) DC Female Jack In /4P Female Jack Out Version</p>

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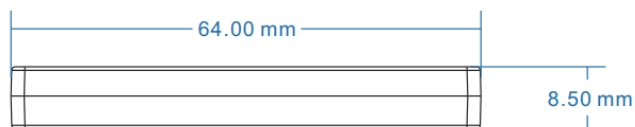
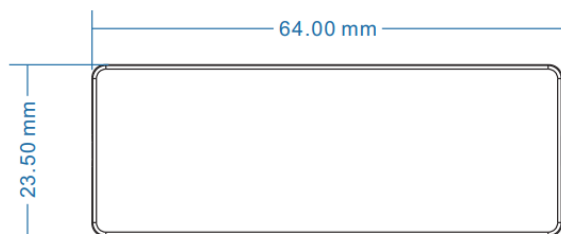
Model List

Model	Photo	Power Connector	LED Connector
V3-M	 <p>V3-M RGB LED Controller Uin:12-24VDC Iout: 2A/CH, Total Max.6A Pout:72-144W Temp Range:-30℃~+55℃ CE RoHS 2.4G</p>	Red/Black Cable 10cm	4-color Flat Cable 10cm
V3-M(CJ)	 <p>V3-M RGB LED Controller Uin:12-24VDC Iout: 2A/CH, Total Max.6A Pout:72-144W Temp Range:-30℃~+55℃ CE RoHS 2.4G</p>	Red/Black Cable 10cm	4-pin Flat Female Jack 10cm
V3-M(DJ)	 <p>V3-M RGB LED Controller Uin:12-24VDC Iout: 2A/CH, Total Max.6A Pout:72-144W Temp Range:-30℃~+55℃ CE RoHS 2.4G</p>	5.5mm DC Female Jack	4-pin Flat Female Jack 10cm

Features

- 3 channel constant voltage RGB LED mini RF controller.
- 2A per channel, output connect with 5 meters RGB LED strip.
- Match with RF 2.4G single zone or multiple zone RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.

Dimension



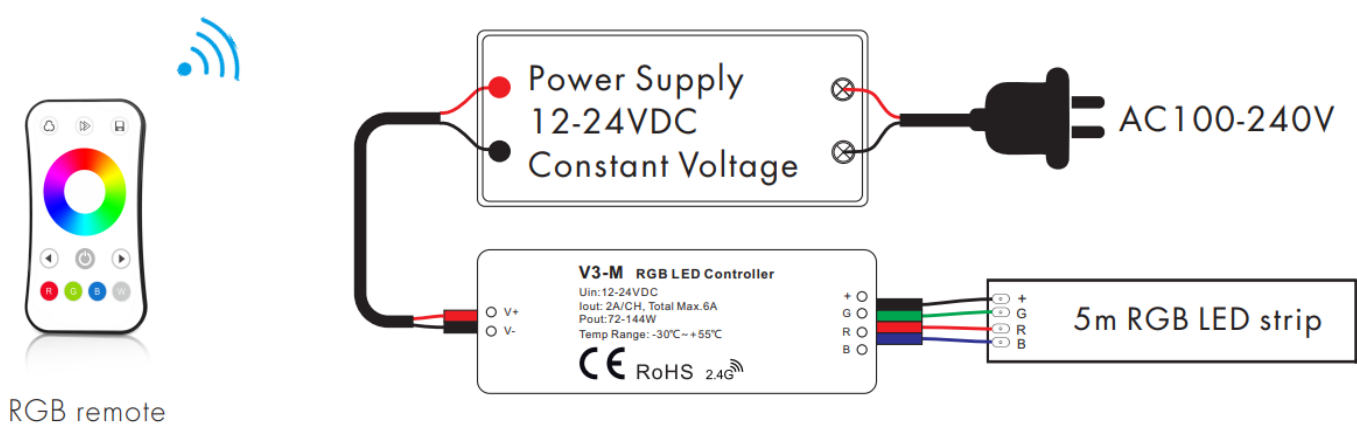
Technical Parameters

Input and Output	
Input voltage	12-24V DC
Output voltage	12-24V DC
Output current	2A/CH, Total Ma x. 6A
Output type	Constan t voltage
Environment	
Operation temperature	Ta: -30 OC ~ +5 5 OC
Case temperature (Max.)	T c: +85 OC
IP rating	IP20
Warranty and Protection	
Warranty	5 years

Protection		Reverse polarity Over heat
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)	
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	

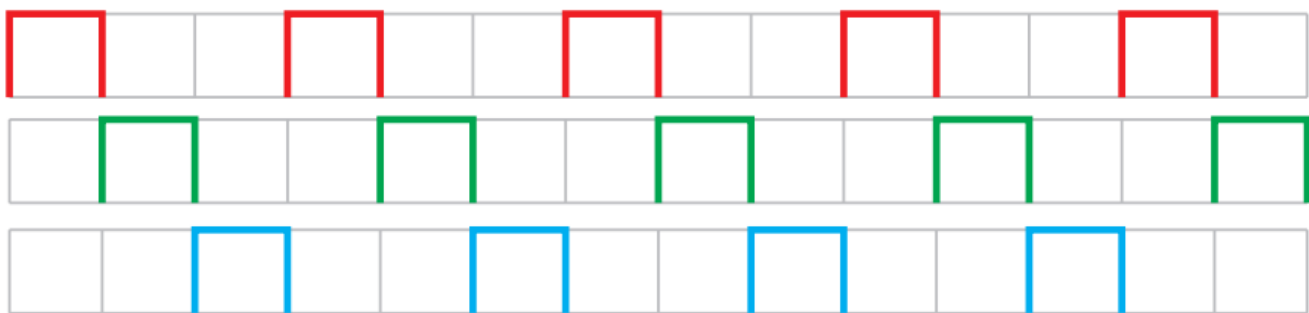
Radio Equip ment(RED)	ETSI EN 300 328 V2.2.2
Certifi cation	CE,EMC,LVD,RED

Wiring Diagram

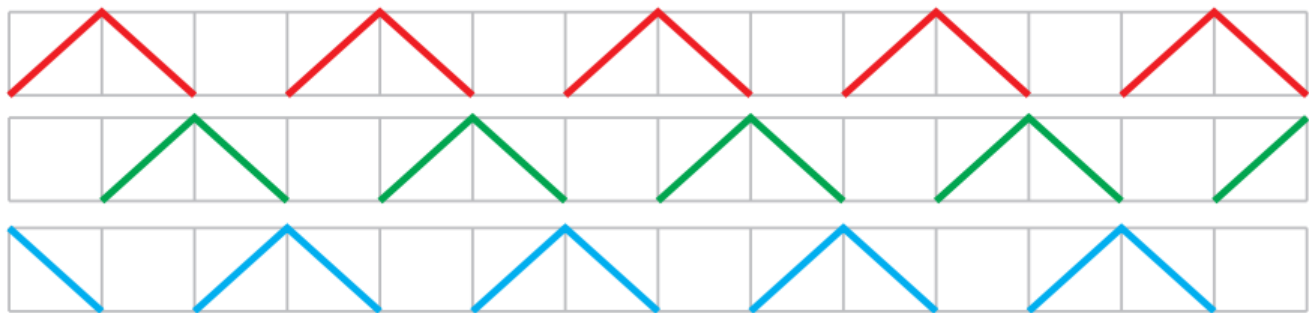


RGB dynamic mode list

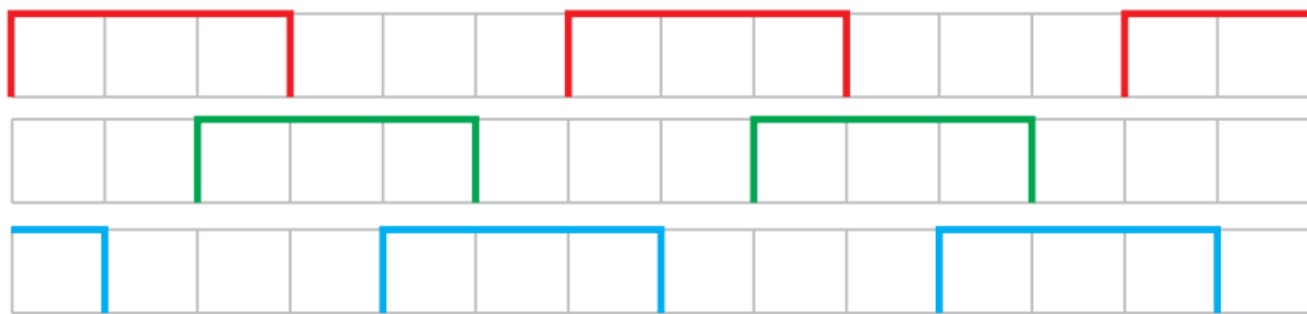
1. RGB jump



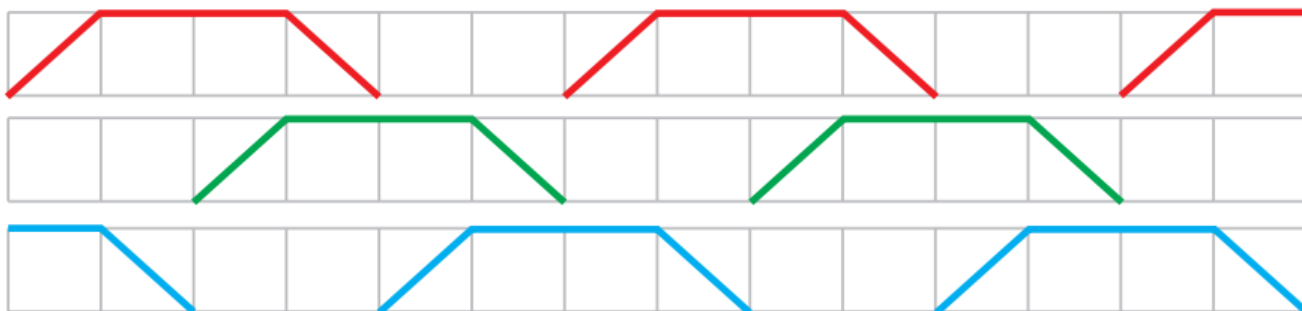
2. RGB smooth



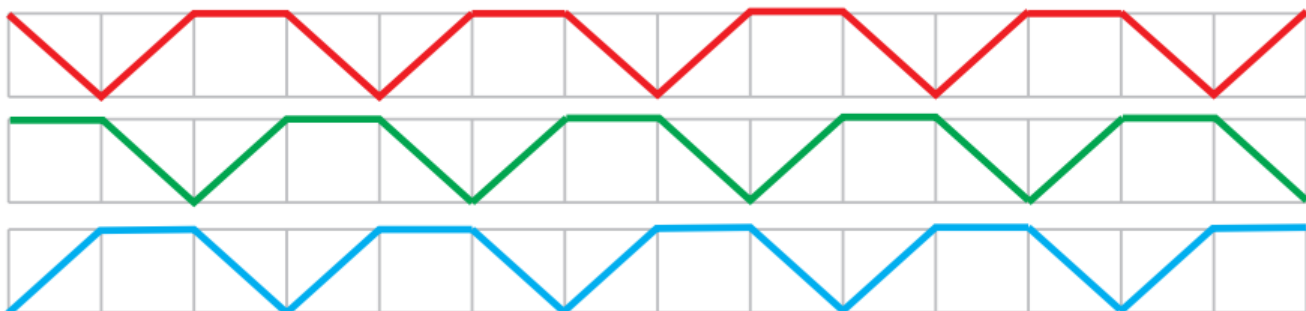
3. 6 color jump



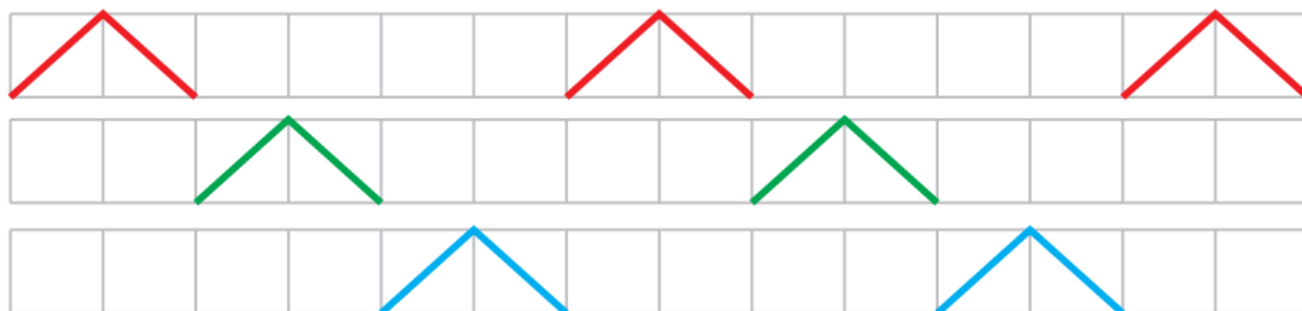
4. 6 color smooth



5. Yellow cyan purple smooth



6. RGB fade in and out



7. Red fade in and out



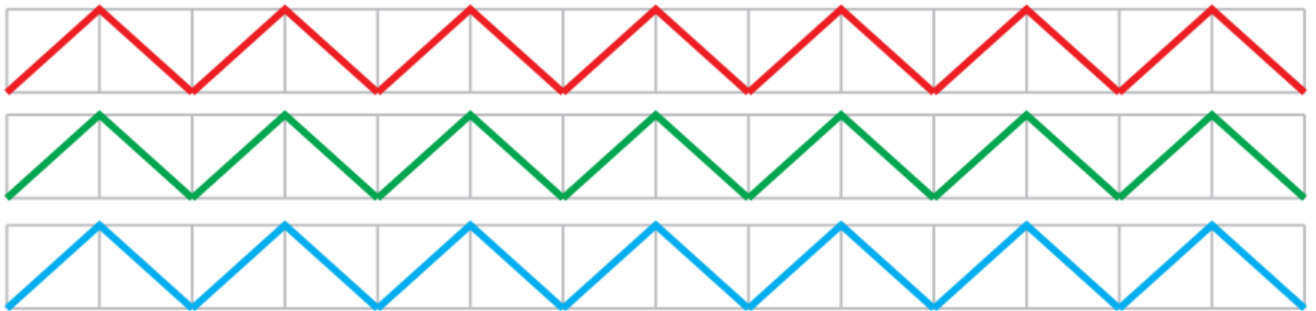
8. Green fade in and out



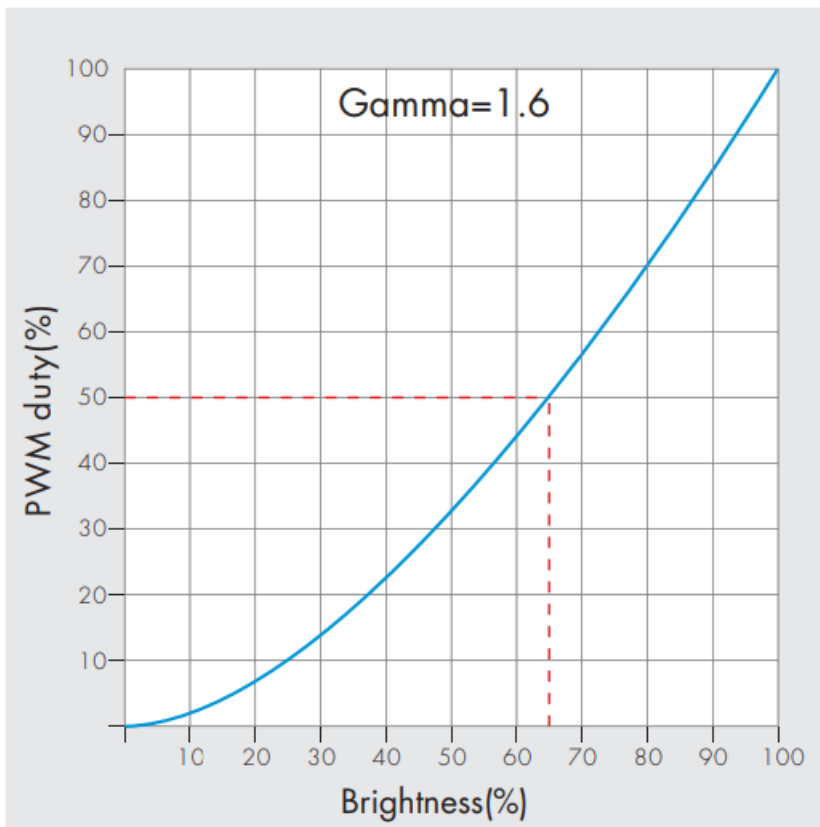
9. Blue fade in and out



10. White fade in and out

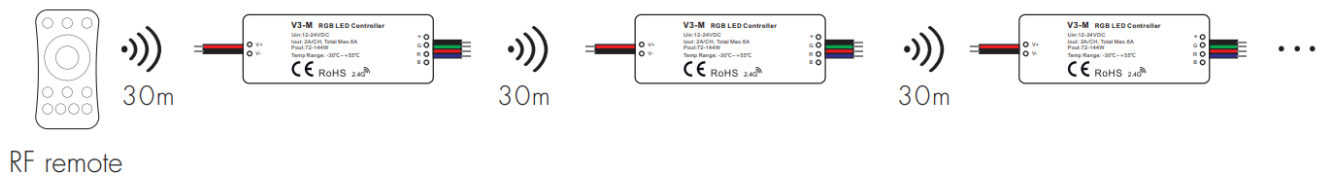


Dimming curve



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.

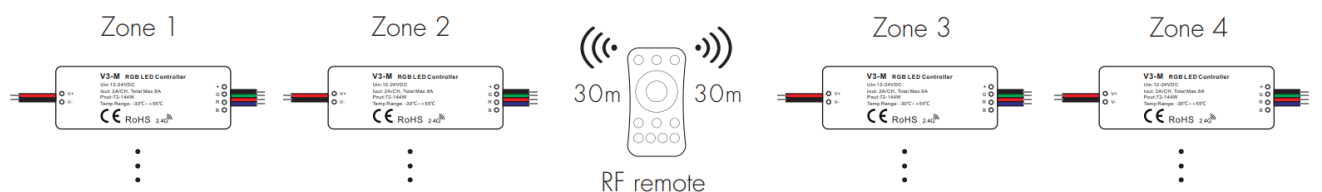
Auto-synchronization: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote, under same dynamic mode and with same speed.

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.



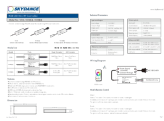
Malfunctions analysis & troubleshooting

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.
Wrong color	<ol style="list-style-type: none"> 1. Wrong connection of R/G/B wires. 	<ol style="list-style-type: none"> 1. Reconnect R/G/B wires.
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.



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Documents / Resources

	SKYDANCE V3-M Rgb Mini Led Controller [pdf] Owner's Manual V3-M Rgb Mini Led Controller, V3-M, Rgb Mini Led Controller, Mini Led Controller, Led Controller
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References

- [Sklep ELED - oświetlenie LED na miarę Twoich potrzeb](#)