RGBW/RGB/CCT/Dimming 4 Channel LED RF Controller

Model No.: V4-S

4 Channels/Push Dim/Wireless remote control/Auto-transmitting/Synchronize/Wall junction box mounting

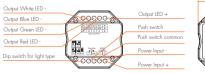
Features

- RF + Push LED controller, 4 channel constant voltage output.
- Set as single color, dual color, RGB or RGBW controller by DIP switch.
- Match with Skydance's 2.4G single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB/RGBW light, 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.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
 Easy to be placed in standard wall junction box behind a push switch.
- Technical Parameters

Input and Output		
Input voltage	12-24VDC	
Input current	12.5A	
Output voltage	4 x (12-24)VDC	
Output current	4CH,3A/CH	
Output power	4 x (36-72)W	
Output type	Constant voltage	
Dimming data		
Input signal	RF 2.4GHz + Push Dim	

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Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	0-100%
Dimming curve	Logarithmic

Mechanical Structures and Installations



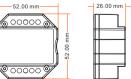


FC C CE RoHS MC LVD RED

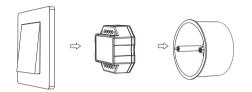
Safety and EMC	
EMC standard (EMC)	EN301 489,EN 62479
Safety standard(LVD)	EN60950
Radio Equipment(RED)	EN300 328
Certification	CE,EMC,IVD,RED
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc:+85°C
IP rating	IP20

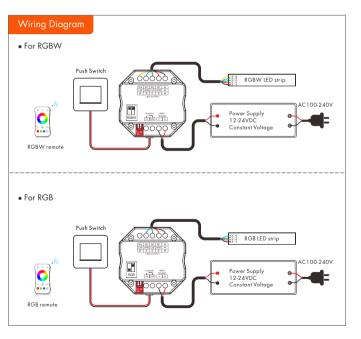
Warranty and Protection

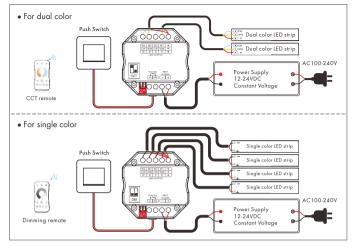
Warranty	5 years
Protection	Reverse Polarity



Typical Wall Junction Box Mounting







Push Dim

	Click	ON/OFF	
Single color	Double Click	Turn on at 100% or 10%(night light) and vice-versa	
	Long press(>1s) from OFF	Dimming UP/DOWN	
	Long press(>1s) from ON	Dimming UP/DOWN	
	Click	ON/OFF	
Dual Color	Double Click	Turn on at 100% or 10%(night light) and vice-versa	
Dual Color	Long press(>1s) from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)	
	Long press(>1s) from ON	Dimming UP/DOWN	
	Click	ON/OFF	
	Double Click	Change from color mode to white mode (RGB mixed) and vice-versa	
RGB	Long press(>1s) from OFF	If on color mode change rotation speed; If on white mode dimming UP/DOWN	
	Long press(>1s) from ON	If on color mode start/stop color rotation; If on white mode dimming UP/DOWN	
	Click	ON/OFF	
	Double Click	Change between color mode, white mode (W channel) and color+W mode	
RGBW	Long press(>1s) from OFF	If on color mode change rotation speed; If on white mode or color+W mode, W dimming UP/DOWN	
	Long press(>1s) from ON	If on color mode start/stop color rotation; If on white mode or color+W mode, W dimming UP/DOWN	

Color rotation:

We can select 4 rotation speed:

10 flash/s means 6 seconds color rotation, 5 flash/s means 30 seconds color rotation, 2 flash/s means 1 minute color rotation, 1 flash/s means 6 minutes color rotation.

User Manual Ver 1.0.7

Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's DIP switch Match: Change DIP switch setting, immediately short press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.	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 light 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 light blinks 5 times means all matched remotes were deleted.

RGB/RGBW 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	

Dual color control

CH1,CH3=Warm white LED

CH2,CH4=Cool white LED

Each channel can supply up to 16W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	CH1=0W,CH2=72W	CH1=36W,CH2=36W	CH1=72W,CH2=0W
	CH3=0W,CH4=72W	CH3=36W,CH4=36W	CH3=72W,CH4=0W

Linear dual color tuning

Dimming curve for CCT Dimming

Dimming curve for RGBW/RGB/DIM

