INSTRUCTIONS

PUSHRF24VDC

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 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.

Technical Parameters

Control distance

Dimming range

Dimming curve

Dimming gray scale

- 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.

Input and Output		Safety and EN
Input voltage	12-24VDC	E/MC standard (E/
Input current	12.5A	Safety standard(LV
Output voltage	4 × (12-24)VDC	Radio Equipment(I
Output current	4CH,3A/CH	Certification
Output power	4 x (36-72)W	Environment
Output type	Constant voltage	
Dimming data		Case temperature
Input signal	RF 2.4GHz + Push Dim	IP rating

FC C CE RoHS and LVD RED

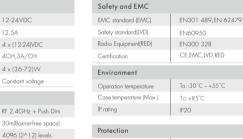
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V4-S ACH LED Controller 2.4G

Post-4x3A Post-4x(36-72)W Tix -30°C-+65°C

13-2000C

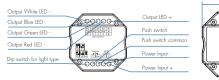
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Protection

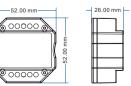
Reverse Polarity





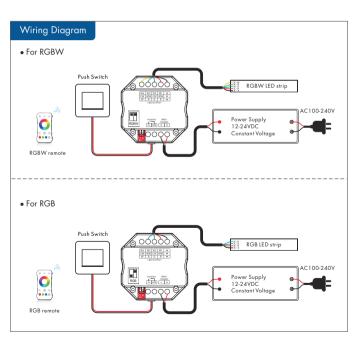
0-100%

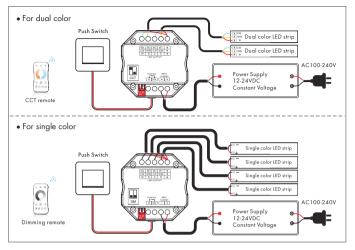
Logarithmic



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Typical Wall Junction Box Mounting





Push Dim

Single color	Click	ON/OFF	
	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	
Dual Color	Click	ON/OFF	
	Double Click	Turn on at 100% or 10% (night light) and vice-versa	
	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	
RGB	Click	ON/OFF	
	Double Click	Change from color mode to white mode (RGB mixed) and vice-versa	
	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	
RGBW	Click	ON/OFF	
	Double Click	Change between color mode, white mode (W channel) and color+W mode	
	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.

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 zone key of the remote.	Use Power Restart Match: Switch off the power, then switch on power again, immediately short press zone key 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 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

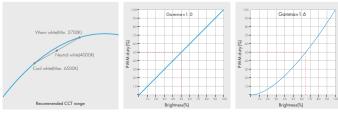
Each channel can supply up to 72W(@24V) and white balance can be controlled as such:

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

Dimming curve for CCT

Linear dual color tuning

Dimming curve for RGBW/RGB/DIM



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