Output LED +

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

Model No.: VP

4 Channels/DC power socket input/Step-less dimming/Wireless re



FC C CE ROHS ETC LVD RED

Features

- DC power socket input and 4 channel constant voltage output.
- Match with Skydance's 2.4G single zone or multiple zone 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

12-24VDC
15.5A
4 x (12-24)VDC
4CH,4A/CH,Max 6A
4 x [48-96]W
Constant voltage

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	750Hz (default)

Safety and EMC	
EMC standard (EMC)	EN301 489,EN 62479
Safety standard(LVD)	EN60950
Radio Equipment(RED)	EN300 328
Certification	CE,EMC,IVD,RED

Operation temperature	Ta: -30°C ~+55°C
Case temperature (Max.)	Tc:+85°C
Prating	IP20

Warranty and Pro	tection
Warranty	5 years
Protection	Reverse polarity Short circuit

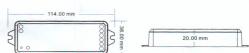
User Manual Ver 1.0.9

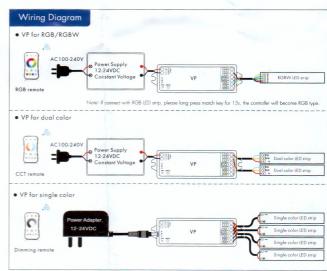
Installation rack



Mechanical Structures and Installations

Power input +





Note: User can connect constant voltage power supply or power adapter as power input.

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

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 Match key

Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote

The IED indicator fast flash a few times means match is successful.

Press and hold match key for 5s to delete all match, The LED indicator fast flash a few times means all matched remotes were deleted

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.

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

RGB/RGBW dynamic mode list

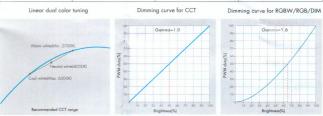
No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump .	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

Dual color control

CH1,CH3=Warm white LED CH2,CH4=Cool white LED

Each channel can supply up to 96W(@24V) and white balance can be controlled as such

Color temperature	Cool white	Neutral white	Warm white
Power distribution	CH1=0W,CH2=96W	CH1=48W,CH2=48W	CH1=96W,CH2=0W
Power distribution	CH3=0W,CH4=96W	CH3=48W,CH4=48W	CH3=96W,CH4=0W



Application notes

1. All the receivers in the same zone



RF remote

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	No power. Wrong connection or insecure.	Check the power. Check the connection.
Wrong color	Wrong connection of R/G/B/W wires.	Reconnect R/G/B/W wires.
Uneven intensity between front and rear, with voltage drop	Output cable is too long. Wire diameter is too small. Overload beyond power supply capability. Overload beyond controller capability.	Reduce cable or loop supply. Change wider wire. Replace higher power supply. Add power repeater.
No response from the remote	The battery has no power. Beyond controllable distance. The controller did not match the remote.	Replace battery. Reduce remote distance. Rematch the remote.