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

Model No.:

4 Channels / Step-less dimming / Wireless remote control / Push Dim /Auto-transmitting / Synchronize

FC ♻ CE **RoHS** emc RED

Features

- Match with Skydance's 2.4G single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- When using with RGB/RGBW light, built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automaticly 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 dimming function.

Technical Parameters

Input and Output

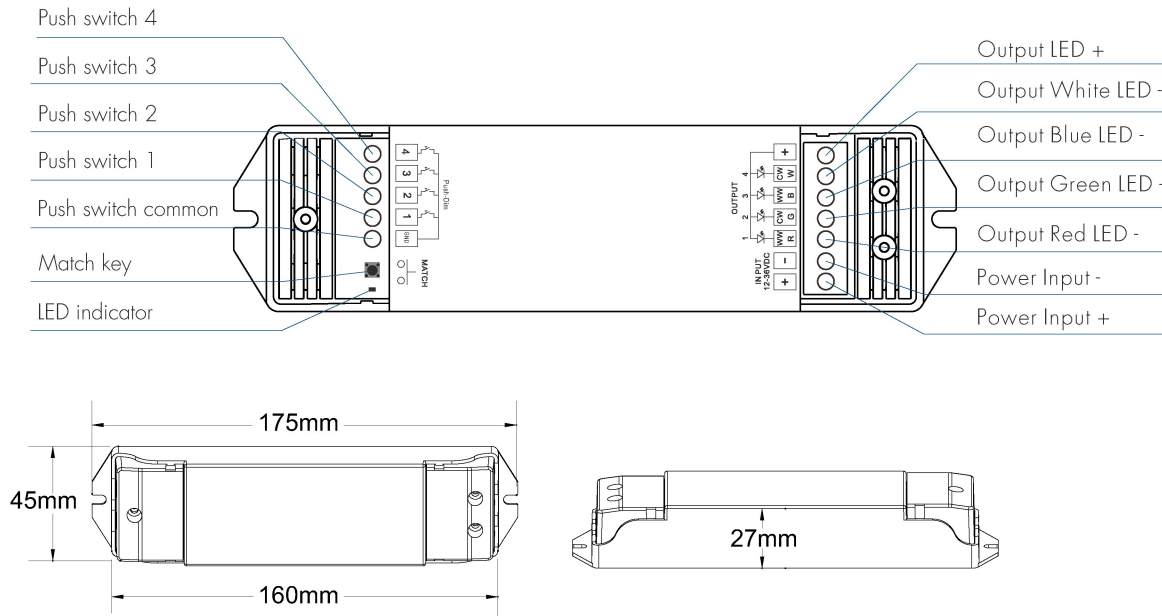|	
Input voltage	12-36VDC
Input current	20.5A
Output voltage	4 x (12-36)VDC
Output current	4CH,5A/CH
Output power	4 x (60-180)W
Output type	Constant voltage

Dimming data

Input signal	RF 2.4GHz + Push Dim
Control distance	30m
Dimming level	4096 levels
Dimming range	0-100%

Environment

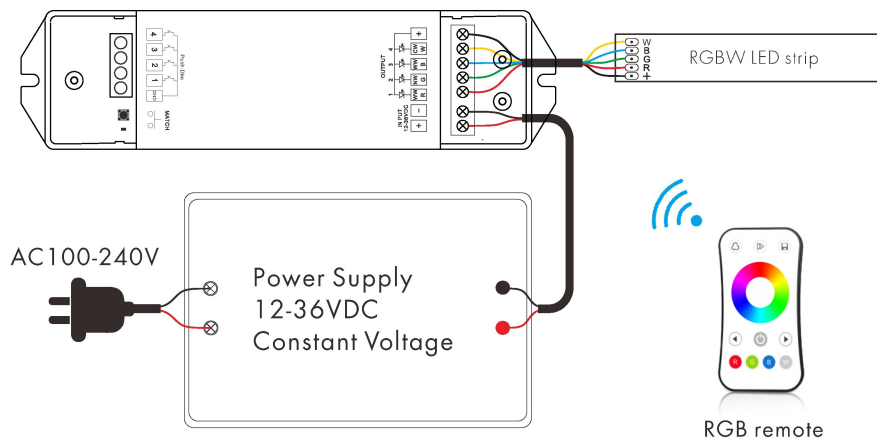|	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc:+85°C
IP rating	IP20

Safety and EMC

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

Warranty and Protection

Warranty	
Protection	Reverse Polarity

Mechanical Structures and Installations

Push switch 4
Push switch 3
Push switch 2
Push switch 1
Push switch common
Match key
LED indicator

Output LED +
Output White LED -
Output Blue LED -
Output Green LED -
Output Red LED -
Power Input -
Power Input +

175mm

45mm

160mm

27mm

Wiring Diagram

for RGB/RGBW

RGBW LED strip

AC100-240V

Power Supply
12-36VDC
Constant Voltage

RGB remote

for dual color

Dual color LED strip

Dual color LED strip

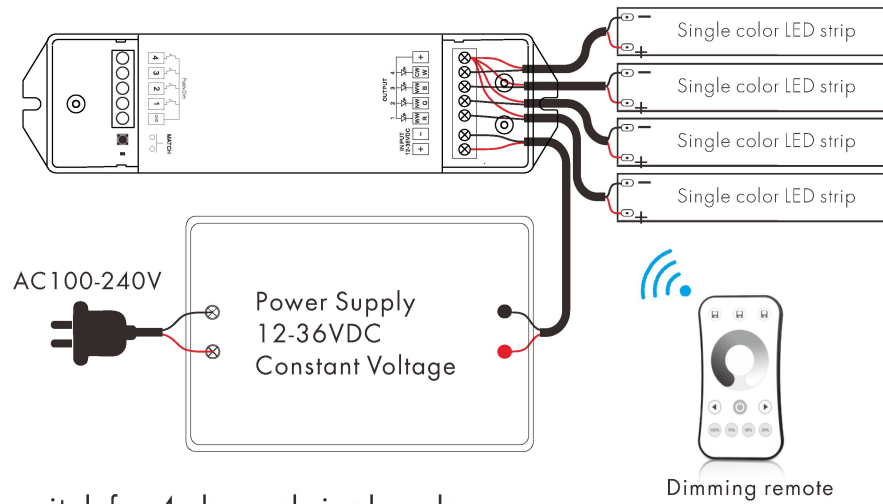AC100-240V

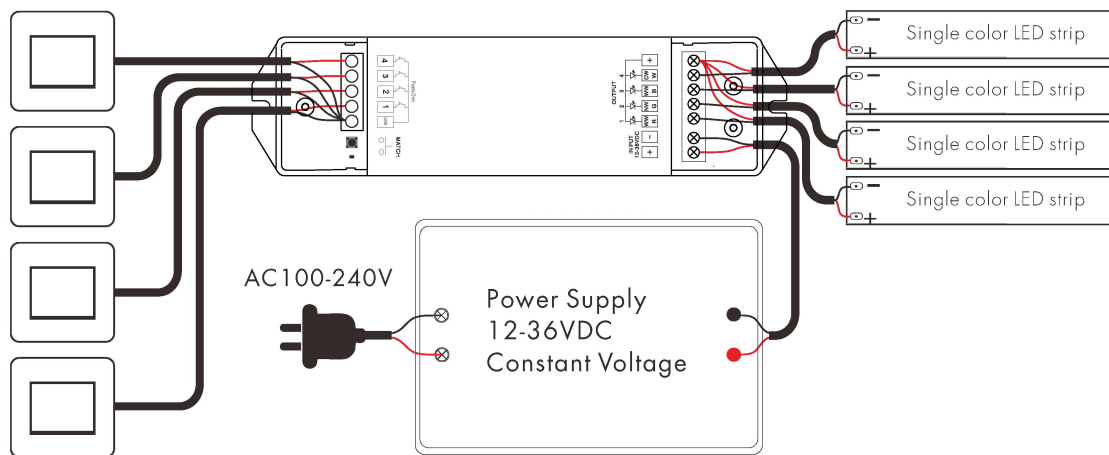Power Supply
12-36VDC
Constant Voltage

CCT remote

for single color

Dimming remote
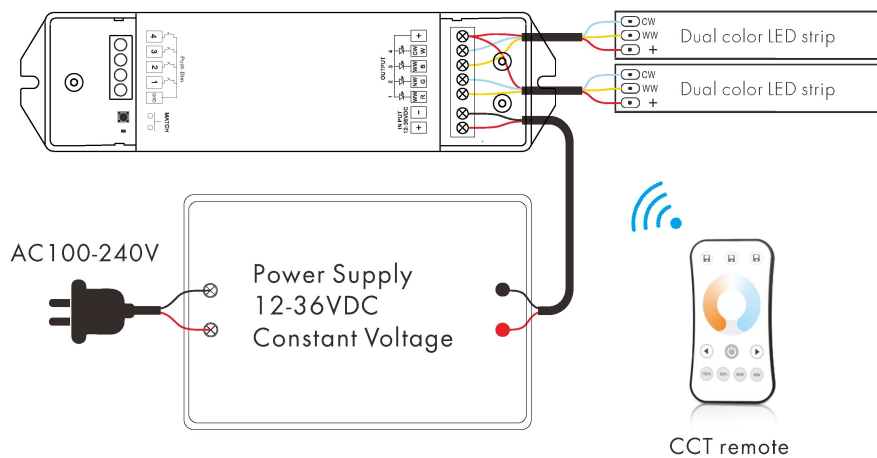
with four push switch for 4 channel single color

Push Switch x 4

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

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

Delete:
Press and hold match key for 5s to delete all match, The light blinks 5 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.

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.

Push Dim Function

- Short press:
  Turn on or off each channel.
- Long press (1-6s):
  Press and hold to step-less dimming of each channel,
  With every other long press,
  the light level goes to the opposite direction.
- Dimming memory:
  Light returns to the previous dimming level
  when switched off and on again,
  even at power failure.

Dimming Curve
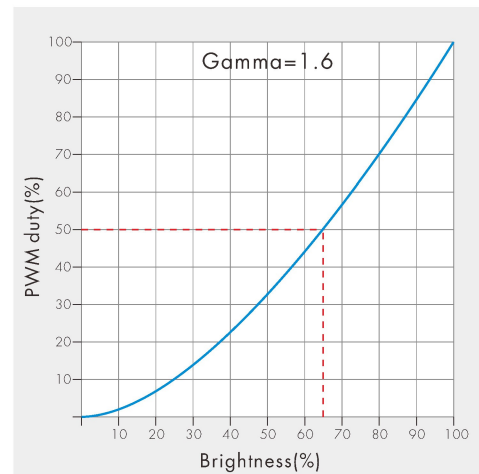
RGB dynamic mode list

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

Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B/W wires.	1. Reconnect R/G/B/W wires.
Uneven intensity between front and rear,with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.