# Dual Color LED Controller
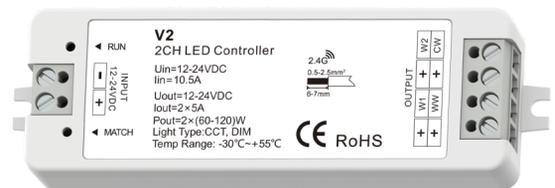
## Model No.: V2

2 Channel / Step-less dimming / RF remote / Push Dim

**SKYDANCE**

## Feature

- One controller can accept up to 10 remote control.
- Auto-transmitting function: Receiver could transmit signal to another receiver within 30m, and the total remote control distance can up to 100m.
- Match with all Skydance's 2.4G color temperature remote control.

**V2**
2CH LED Controller
Uin=12-24VDC
Iin=10.5A
Uout=12-24VDC
Iout=2×5A
Pout=2×(60-120)W
Light Type:CCT, DIM
Temp Range: -30°C~+55°C
CE RoHS
2.4G
0.5-2.5mm²
6-7mm

CE RoHS emc RED

## Technical Parameters

| Input and Output | |
|---|---|
| Input voltage | 12-24VDC |
| Input current | 10.5A |
| Output voltage | 2x(12-24)VDC |
| Output current | 2CH,5A/CH |
| Output power | 2x(60-120)W |
| Output type | Constant voltage |

| Dimming data | |
|---|---|
| Input signal | RF 2.4GHz |
| 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 |
| Safety standard(LVD) | EN300 328 |
| Certification | CE,EMC,RED |

| Warranty and Protection | |
|---|---|
| Warranty | 5 years |
| Protection | Reverse Polarity |

# Mechanical Structures and Installations

LED indicator
Power Input -
Power Input +
Installation rack
Match key

Cool white LED -
Output LED +
Warm white LED -
Output LED +
Installation rack

33mm
97mm
18mm

AC100-240V

Power Supply
12-24VDC
Constant Voltage

V2
2CH LED Controller

INPUT 12-24VDC
OUTPUT W2 CW W1 WW

CW
WW
Dual color LED strip
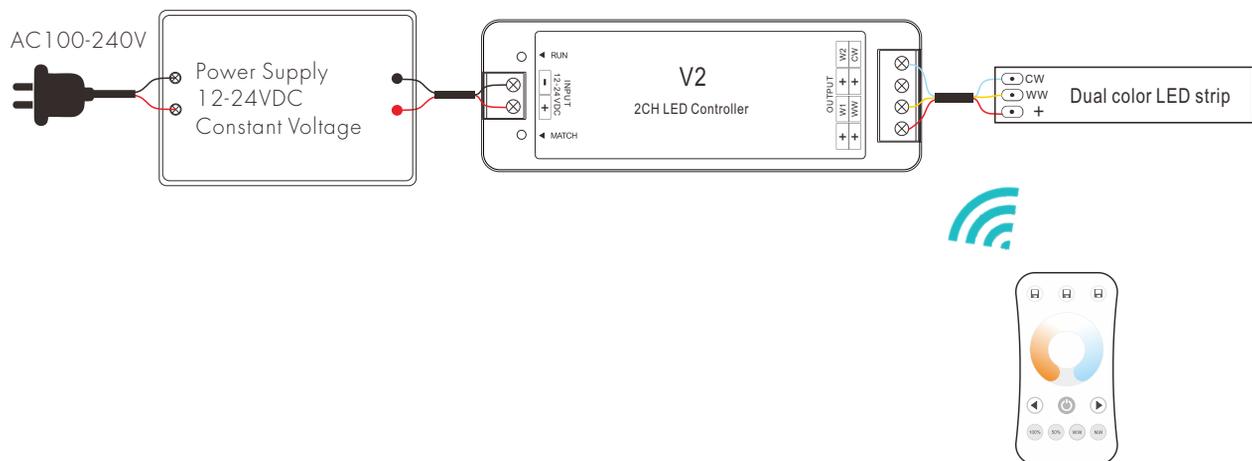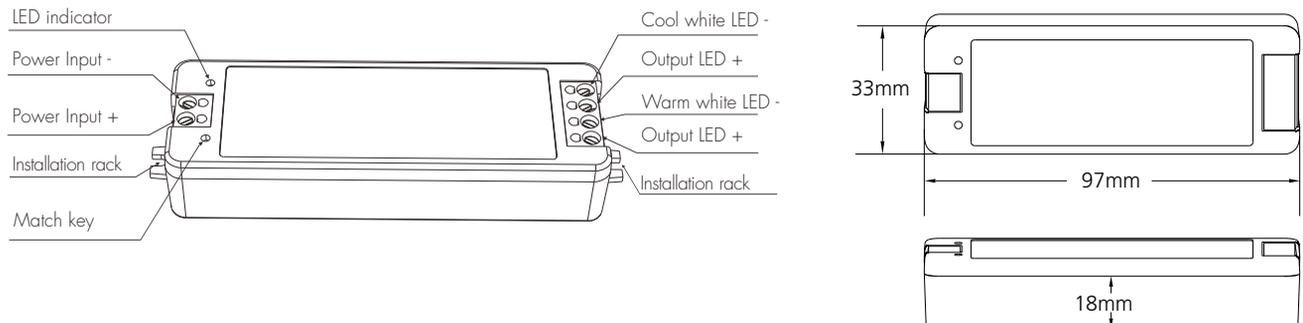
# Match Remote Control (two match ways)

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.

# Malfunctions Analysis & Troubleshooting

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