Manuals+ — User Manuals Simplified.

led24 775 Single Color LED Strip Controller Set User Guide

Contents

led24 775 Single Color LED Strip Controller Set

overview

The single LED controller set is a remote dimmer controller designed with a touch wheel, which offers both switch and dimming functions. Smooth dimming without any flickering by touching the wheel. 256 level brightness adjustment with dimming range from 0.1% to 100%. small night, 25%, 50%, 75% and 100% brightness can be get directly by buttons. Humanized scene memory function enables the controller to remember the last brightness after turn off or cut off.

Feature

- Mini-style RF dimmer, one channel constant voltage output.
- Smooth dimming and switch without any flickering.
- Adopt 2.4GHz wireless technology, remote distance up to 30m.
- Auto-transmitting function, one receiver can transmit the signal from the remote to another receiver within 15m,
  so the remote control distance can be beyond 100m.
- Can connect with external push switch to achieve on/off and dimming function.
- Work with power repeater to expand output unlimitedly.
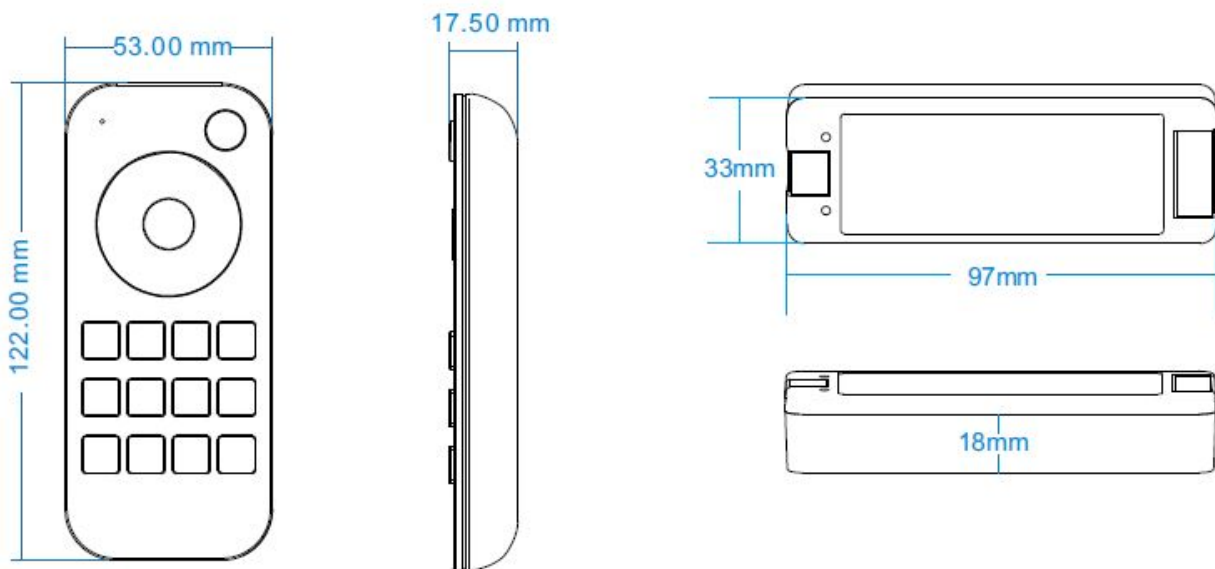
Technical parameter

LED Remote

- Output signal: RF(2.4GHz)
- Working voltage: 3VDC(AAA*2pcs)
- Working current: 5mA
- Standby current: 10μA

- Standby time: 2 years
- Remote distance: 30m
- Dimension: L122×W53×H17.5mm

LED Receiver

- Input voltage: 5-36VDC
- Output power: 5V, Max 40W, 12V, Max 96W, 24V, Max 192W 36V, Max 288W
- Output current: 1CH, 8A/CH
- Size: L97×W33×H18mm

Dimension

Remote function

- Turn on/off light.
- Touch to change brightness.

- Adjust brightness, short press 10 levels, long press 1-5s for continuous 256 levels adjustment.
- Small night brightness (10%).
- Turn off light after 30s, long press 2s will turn off light after 60s.
- 25%, 50%, 75%,100% brightness.
- Short press recall the scene, long press 2s save current brightness into S1/2/3/4.

Match guide

Use Match key

1. 1. Match: Short press match key of the receiver, within 5s, press on/off key of the remote.
   2. Delete: Long press the match key of the receiver for 5s, delete all matched remote.
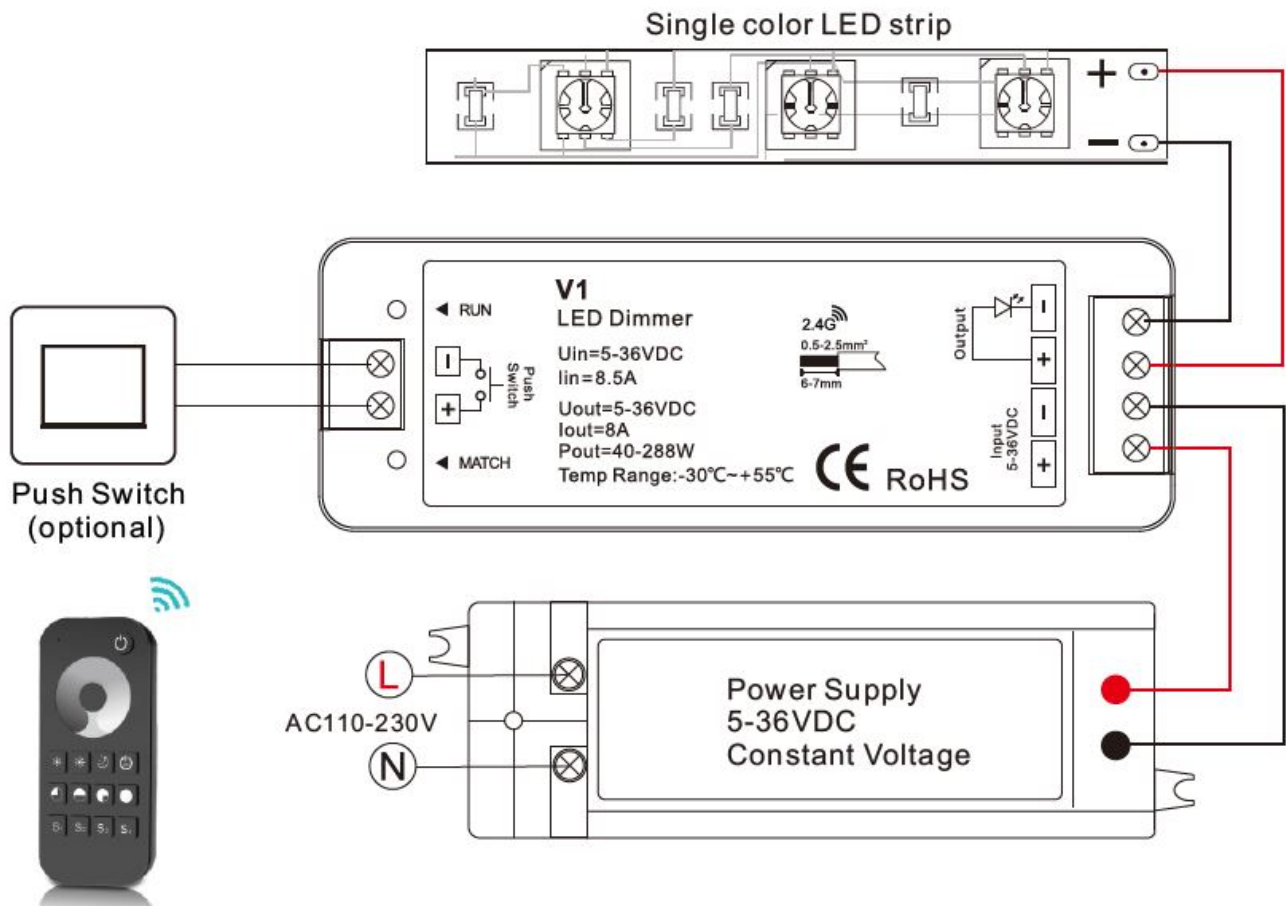
Use Power-up

1. Match: Switch off the power, then switch on power again, short press on/off key 3 times on the remote quickly within 5s after power on, the link is done once the light blinks 3 times.
2. Delete: Switch off the power, then switch on power again, short press on/off key 5 times on the remote quickly within 5s after power on, the unlink is done once the light blinks 5 times.

External push switch(optional)

1. Short press: Turn on/off light.
2. Long press(1-5s): When light is on, increase or decrease brightness continuously.
3. Long press(10s): When multiple controllers share a on/off key, achieve simultaneous adjustment.

Wiring diagram

Single color LED strip

Push Switch (optional)

V1
LED Dimmer
2.4G
0.5-2.5mm²
6-7mm
Uin=5-36VDC
Iin=8.5A
Uout=5-36VDC
Iout=8A
Pout:40-288W
Temp Range:-30°C~+55°C
CE RoHS

◄ RUN
Push Switch
◄ MATCH
Output
Input 5-36VDC

AC110-230V
Power Supply
5-36VDC
Constant Voltage

LED power supply voltage and power select:

- 5V lamp, Input 5V power supply, can load 0~40W,
- 12V lamp, Input 12V power supply, can load 0~96W,
- 24V lamp, Input 24V power supply, can load 0~192W,
- 36V lamp, Input 36V power supply, can load 0~288W, The power supply power must larger than load power 20%.

Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
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.

Safety information

1. The product shall be installed and serviced by a qualified person.
2. The product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

Documents / Resources

led24 775 Single Color LED Strip Controller Set [pdf] User Guide
775 Single Color LED Strip Controller Set, 775, Single Color LED Strip Controller Set