

7、Exception Handles

Malfunction	Causation	Solution
No Light	1. No power from the socket 2. Reverse connection of power +/- 3. Wrong or loose connection	1. Check the socket 2. Modify the connection 3. Check connection
Brightness of the LED is not even	1. Output wire too long, voltage drops 2. Wire diameter too slim, voltage drops 3. Power supplier overloads 4. Controller overload	1. Reduce cable or use loop connection 2. Calculate the current and change to a wider wire 3. Change to another large power supplier 4. Add a power repeater

8、After-Sales

From the day you purchase our products within 3 years, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:

1. Any defects caused by wrong operations.
2. Any damages caused by inappropriate power supply or abnormal voltage.
3. Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
4. Any damages due to transportation, breaking, flooded water after the purchase.
5. Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
6. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
7. Product has been updated.

9、Kindly Reminder

**1. Power Source Selection**  
Power source must be DC constant voltage type of power supply. Due to the efficient output in some power supplies are only 80% of total, so please select at least 20% higher output power supply than the consumption of LED lights.

1-10V LED Dimming Driver User Manual



(Please read through this manual carefully before use)

1、Brief Introduction

As LED and fluorescent lights are becoming more and more popular in the same project, but the dimming principles of LED and traditional fluorescent lights are different, so we developed a new 1-10V dimming driver which has solved the compatible problem of fluorescent dimming controller and LED illumination; this controller can dim both fluorescent and LED lamps at the same time.

2、Specifications

Model	Constant Voltage 5A	Constant Voltage 10A
Input Voltage	DC12V-DC24V	DC12V-DC24V
Input Signal	Active/passive 1-10V or potentiometer	Active/passive 1-10V or potentiometer
Max Load Current	5A/CH×3CH	10A/CH×1CH
Max output power	180W(12V) / 360W(24V)	120W(12V) / 240W(24V)
Output Signal	Constant voltage PWM	Constant voltage PWM
Product Dimension	L125×W45×H36(mm)	L125×W45×H36(mm)
Package Size	L130×W47×H42(mm)	L130×W47×H42(mm)
Gross Weight	100g	85g

3、Basic Features

1. 1 - 10V to PWM dimming signal conversion.
2. Compatible with many brand dimming systems.
3. Working voltage from DC12V~DC24V

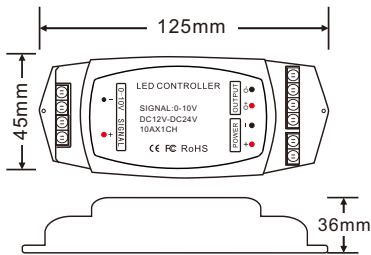
4. 5A Model: Max output 5A×3CH, 15A in total.  
10A Model: Max output 10A×1CH, 10A in total.
5. Multi units can be worked together or use our power repeaters to control more lamps.

4、Safety warnings

Please don't install this controller in lightning, intense magnetic and high-voltage fields.

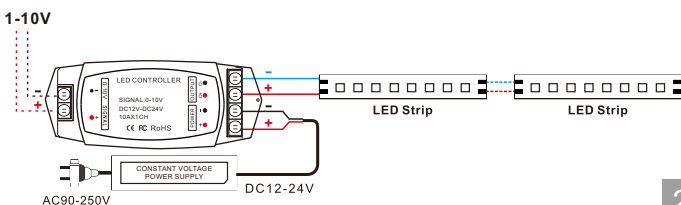
1. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
2. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
3. Check if the voltage and power adapter suit the controller (please select DC12-24V power supply with constant voltage)
4. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on.
5. Please don't open controller cover and operate if problems occur. The manual is only suitable for this model; any update is subject to change without prior notice.

5. Dimensions



6. Conjunction Diagram

1) 10A Diagram:



2) 5A Diagram:

