

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.

Constant Current LED Power Repeater User Manual



(Please read through this manual carefully before use)

1. Brief Introduction

LED constant current power repeater is specially designed for our single color and RGB controllers to expand power output, it accepts PWM signal, double or three times more power can be reached by every one more power repeater, and in theory power repeater can be added unlimitedly. Also, the power repeater of constant voltage model and constant current model could be connected freely, suitable for synchronized controlling on different LED lamps.

2. Specifications

Model	Constant Current LED Power Repeater
Input power	DC12V-48V
Output signal	Constant Current PWM
Max load current	350mA、700mA、1050mA...Max2400mA (As per customer request before shipping)
Driving LEDs	1-12pcs LEDs
Switch size	L125×W45× H36(mm)
Packing size	L130×W47×H42(mm)
Gross weight	90g

3. Basic Features

- 1.Automatically adapt to LED light which works from DC12V-48V.
- 2.Accept PWM control.

- 3.Constant current 350mA, 700mA, Maximum 2400mA (set before shipping.)
- 4.Unlimited connection quantity theoretically, unlimited power output expansion.
- 5.Maximum length from controller to repeater can be 500metersnotice.
- 6.Power loss memory function.
- 7.3000V optoelectronic isolation.

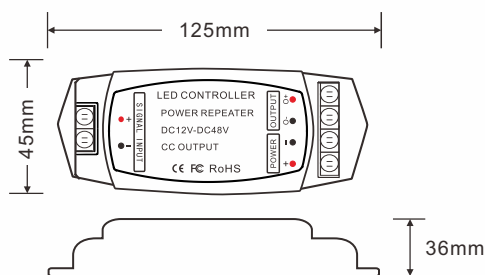
4. Safety warnings

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

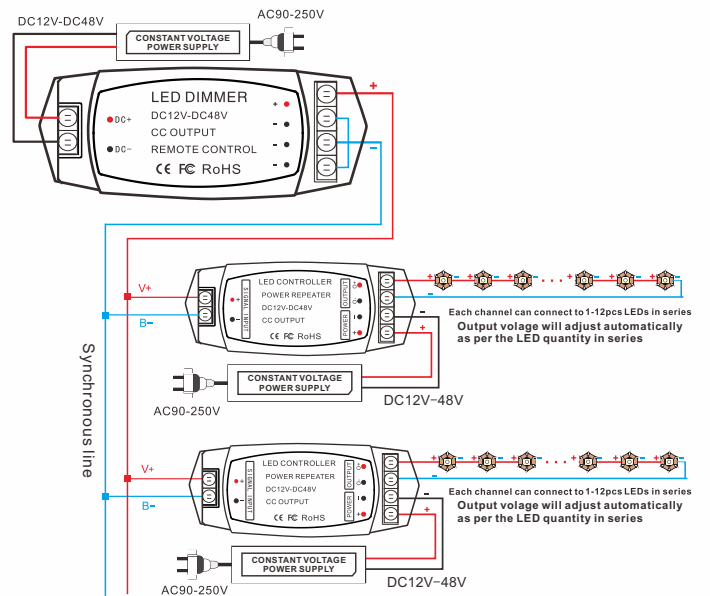
- 1.To reduce the risk of component damage and fire caused by short circuit, make sure correct connection.
- 2.Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
- 3.Check if the voltage and power adapter suit the controller.
(please select DC12-48V 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



7. Exception Handles

Malfunction	Causation	Solution
No Light	1. No power from plug 2. At black mode 3. Overload Recovery 4. Incorrect connection	1. Change the socket 2. Change the running mote 3. Lighten load, react 4. Check the connection
Incorrect Color No Synchronous	5. Wrong RGB connection 6. Wrong Sync Cable connection	5. Check RGB connection 6. Check Sync cable connection