

LT-390 Power Amplifier

Manual



Read this manual carefully before use

Foreword

Thanks for choosing our LT-390 Amplifier. Before installation and use, we strongly recommend you to read through this manual carefully.

After-sales service

From the day you purchase our products within a year, 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 unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
3. Any damages due to transportation, vibration etc after the purchase.
4. Any damages caused by earthquake, fire, lightning strike, pollution and abnormal voltage.
5. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
6. Product has been updated.

Safety Warnings

1. Please don't install this power amplifier in lightening, intense magnetic and high-voltage fields.
2. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
3. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
4. Check if the voltage and power adapter suit the controller & if anode or cathode definition is the same as the amplifier's.
5. Don't connect cables with power on, make sure a correct connection and no short circuit checked with instrument before power on.
6. Please don't open controller cover and operate if problems occur.

For update information, kindly please consult with your supplier.

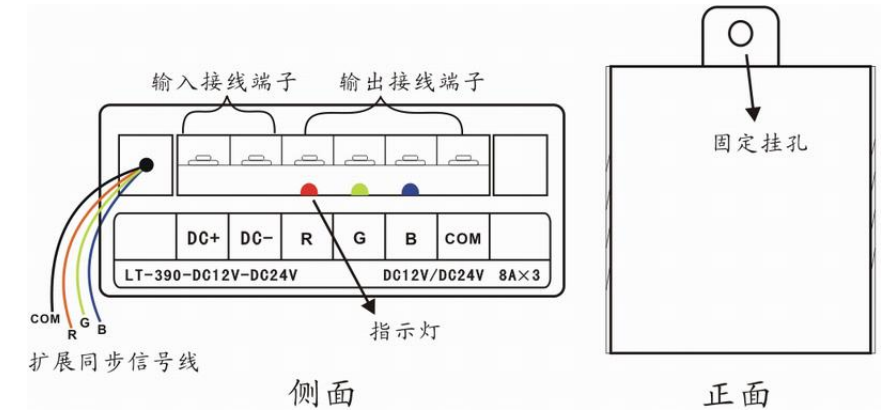
Product Brief

LED Power Amplifier is suitable for all of our company's power-output style controller's power expansion, it accepts PWM control, the control quantity will be twice as much by every adding one power amplifier, unlimited quantity of power amplifier to be connected theoretically.

一、 Specifications:

Part No: LT-390-DC12V-DC24V	
Input Voltage: DC12V-DC24V	Protection: Overload auto protection
Output Voltage:DC12V-DC24V	Operating Temp: -35℃－70℃
Current Output: 8A/chnl×3	Size: L135×W95×H40(mm)
Power Consumption: <1W	Casing size: 155×105×55mm
Total Power Output: 1～600W(24V)	Net Weight: 0.4kg
1～300W(12V)	

二、 Configuration Diagram

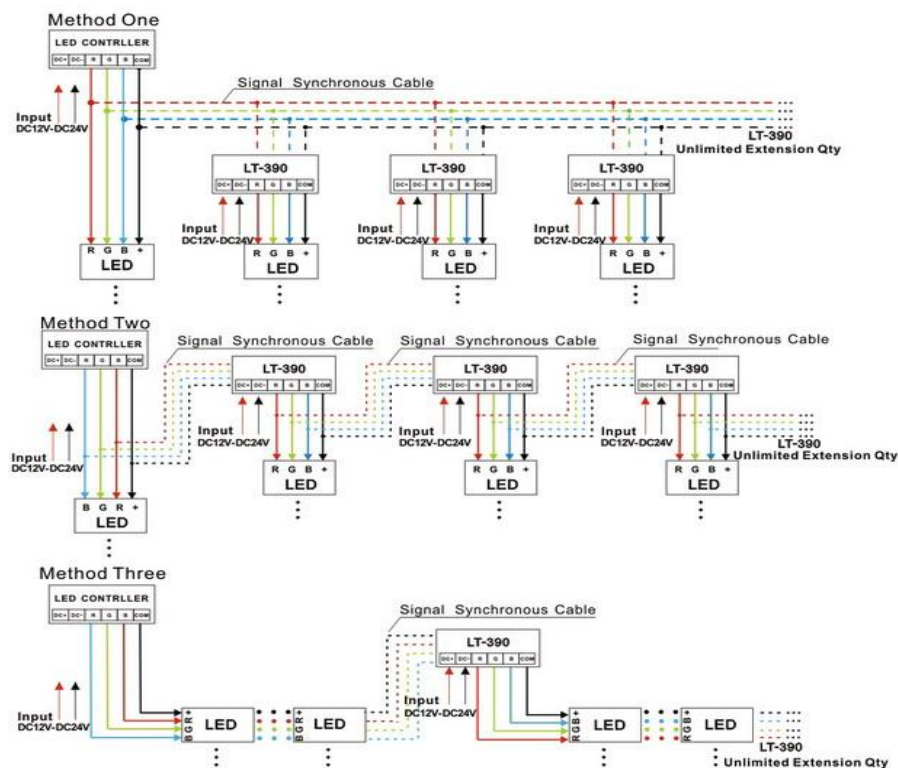


Exception Handles:

Malfunction	Causation	Settle
No light	1. No power from plug.	1. Check the socket.

	2. Overload protection is in action 3. Incorrect connection	2. Decrease power load, re-power on. 3. Check the connection
Incorrect color	2. Incorrect RGB connection	4. Check RGB connection

三、Conjunction Diagram:



- * The 3 methods above are the most popular connection ways, user can choose any one or mix-using.
- * LT-390 Power Extension Module works normally with its signal synchronous connection cable connected to any place of the output control cable.
- * Better keep the output control cable within 20 meters to avoid voltage decline.
- * The distance for the signal synchronous connection cable is unlimited by theory, and won't affect or weaken its synchronous performance