

# RGB Amplifier

## Product Specifications



*This product warranty is 1 year (exclude the artificial situation of damaged or overload working)*

Before installing this product, Please read this manual carefully. Ensure full understanding of this specification to avoid unnecessary damage and additional costs.

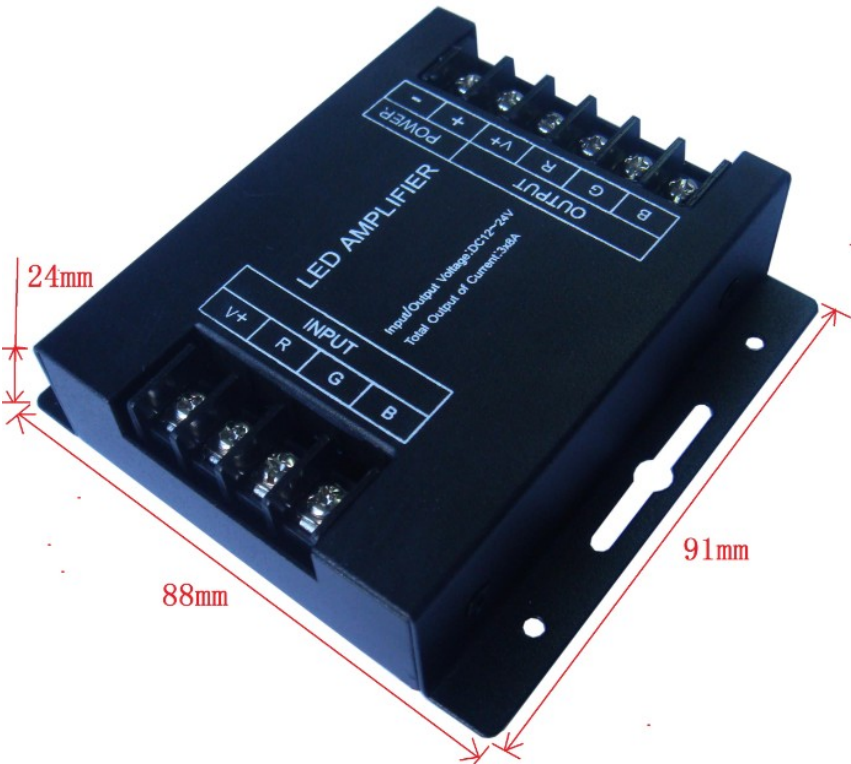
### Product Description

RGB Amplifier

RGB Amplifier is used for all our company RGB LED controller. It can accept PWM signal. When adding one RGB amplifier, it can connect to more than double of the number led lights. In theory , RGB amplifier can be connected to numerous.

External Dimension

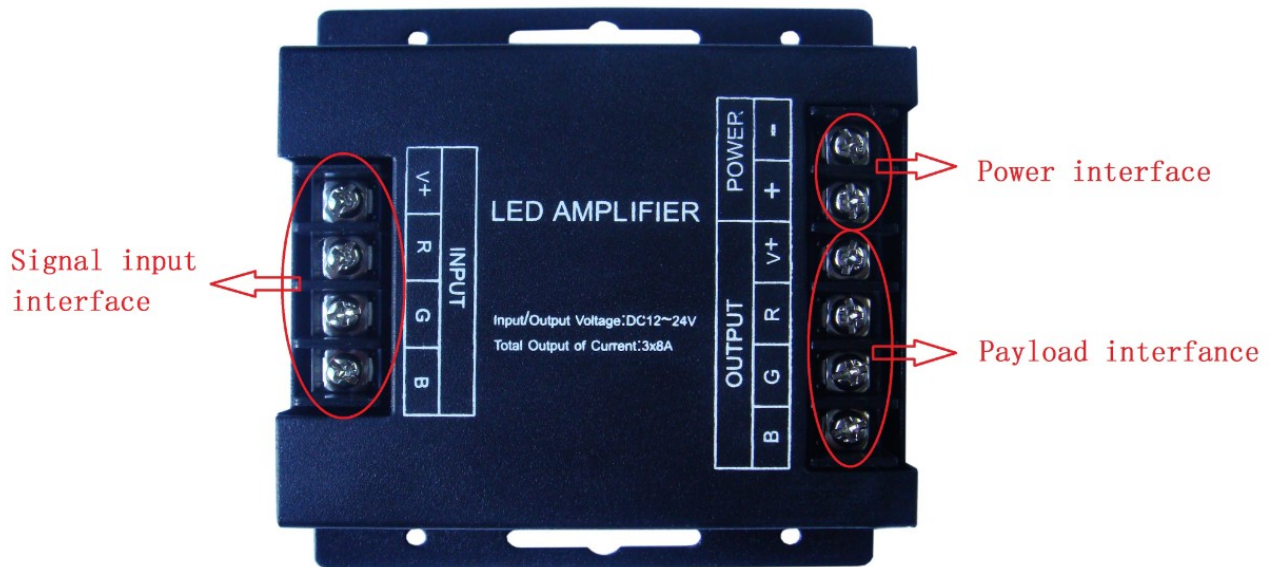
( Amplifier )



Technical Parameters

Working temperature	-20-60℃
Supply voltage	DC5V, 12V,24V optional (specify the required voltage on orders)
Output	3 channels
Connecting mode	common anode/cathode optional (specify the required voltage on orders)
External dimension	L105*W65*H23 mm
Packing size	L117*W71*H36 mm
Net weight	190g
Gross weight	220g
Static power consumption	<1W
Output current	<8A(each channel)
Output power	5V:<120W, 12V:<288W, 24V:<576W

Interface Specifications

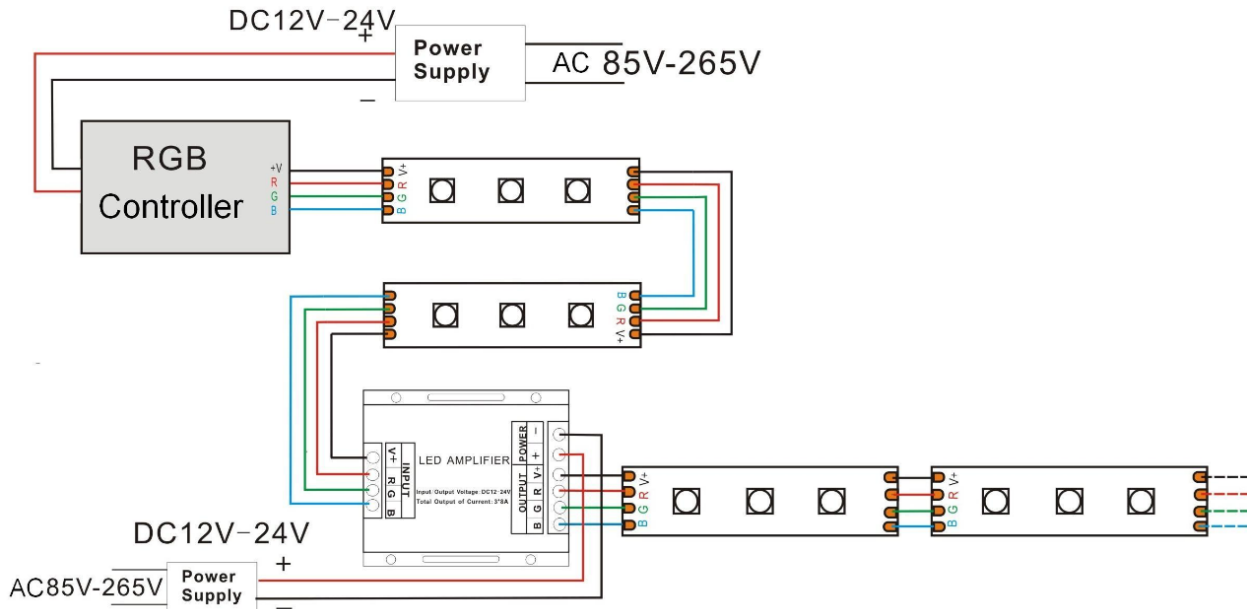


## Direction for use

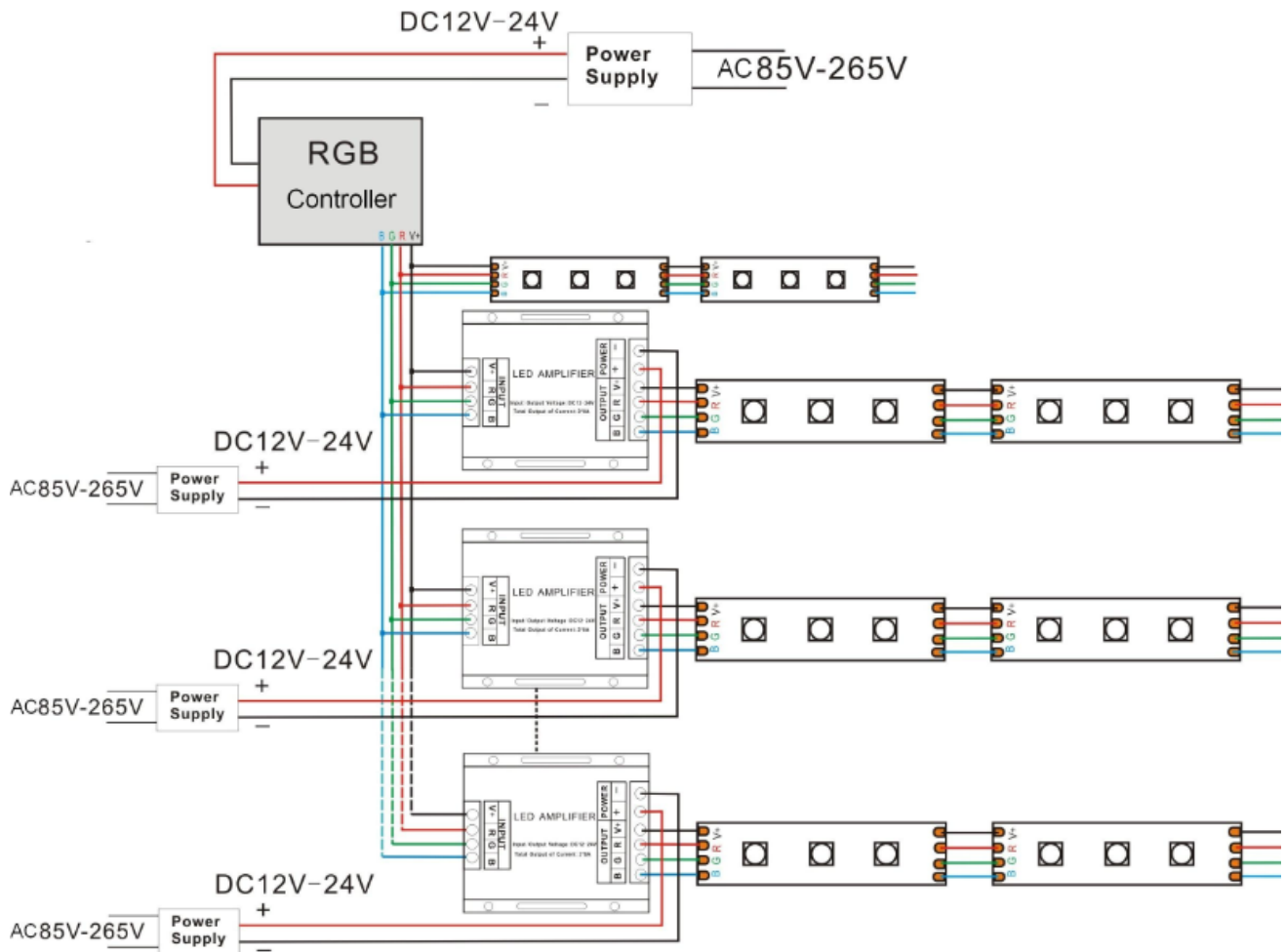
In accordance with Screen Printing on the RGB amplifier panel, connect the input and output signal lines correctly as order. Then connect the power amplifier to the RGB amplifier. Specifically for the use with the LED control, please refer to the following <Typical Applications>.

## Typical Applications

Application Circuit1- Serial connection:



Application Circuit2- Serial connection,



## Notes

1. Supply voltage of this product is DC12V, never connect to others or AC220V.
2. Uses a separate switching power supply for amplifier, the effect is even better.
3. Lead wire should be connected correctly according to grade that connecting diagram offers.
4. This product is not to overload;
5. Warranty of this product is one year, but exclude the artificial situation of damaged or overload working.

## Common Problems

Problems	Possible cause	Solution
1. Lamp does not light after power	Power cord is not properly connected, or there is not output switching power supply	Connect the power cord properly or replay the power
	Lamp power cord is not connected or short circuit	Connected lighting power cord
2. After connecting some of the load the controller does not work	The connected load is too large, so that it has burned in some of the components of the controller	Replace parts of components or replace the controller