
SOLAROX® RGB-Repeater 3x5A
An amplifier to expand output power of RGB controllers

Function parameter

PART NO.	INPUT(VDC)	OUTPUT(VDC)	INPUT (A)	OUTPUT (A)
SOLAROX® RGB-Repeater	12-24	12-24	5	5

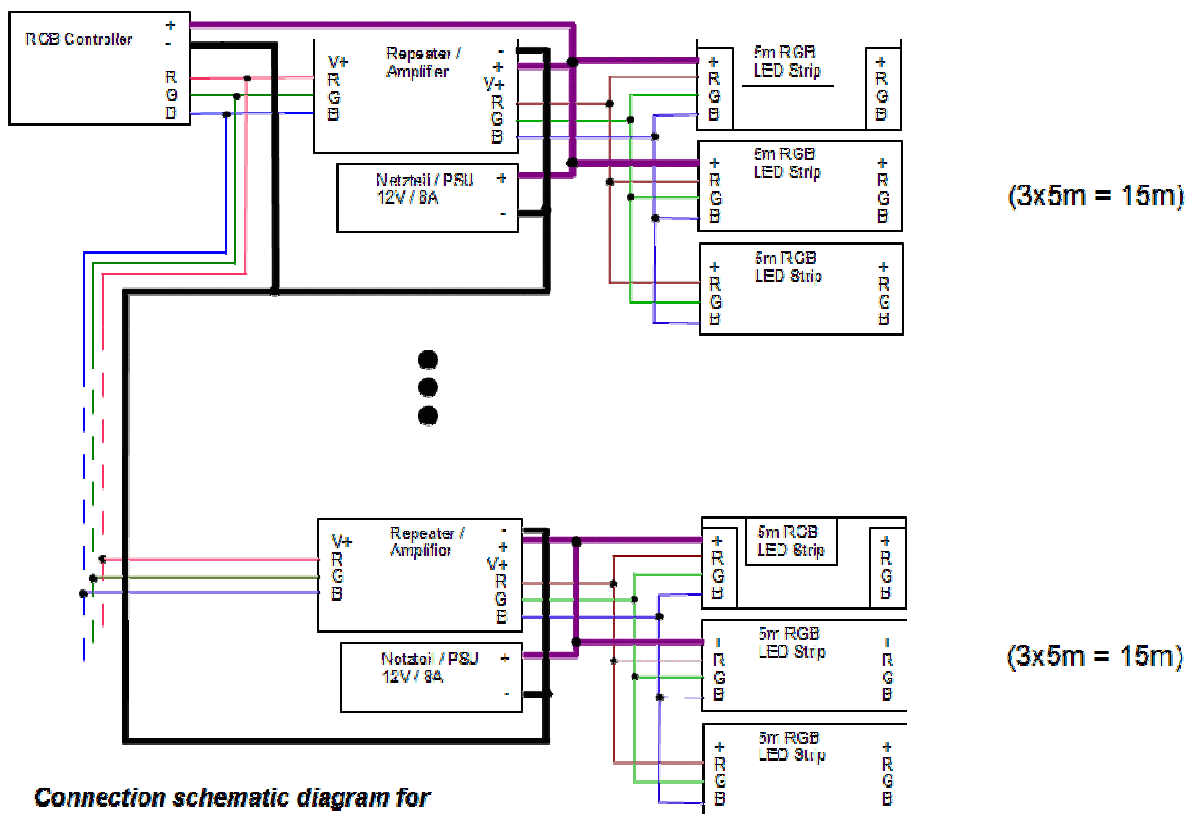
Object



Characteristic :

The SOLAROX ® RGB Repeater serves to expand the output current strength of all available LED1.de RGB controllers (except "i350"). This allows simply to expand the count of RGB LED bars and RGB Flex modules. The maximum output current of each channel is 5A. There many amplifiers can be cascaded.

It's possible the connection to a common (strong) power supply or more power supplies.



- 1) The quantity of power adapter depends on the max power of the RGB LED light bars, and making sure 20% power free.
- 2) Equipped with one or several Amplifier according to the quantity of RGB LED light bars
- 3) The cathode and Anode of the output ends of the controller and amplifier must be connected together if they here to common power adaptor during the installation.

Specification

Work temperature: -25°C~+65°C

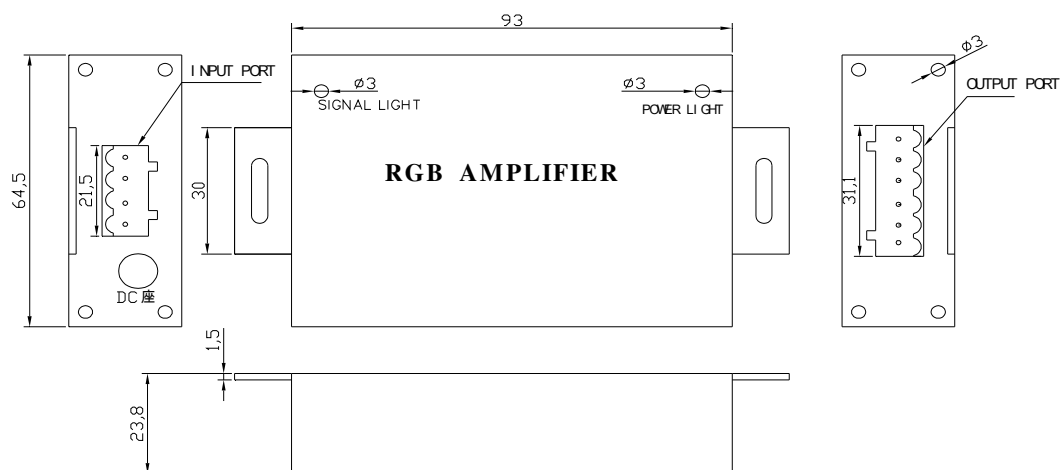
Storage temperature: -25°C~+85°C

Work voltage: DC 12V-24V

Output current: max. 5A each channel

Dimension

unit : mm



Using Instruction

- 1) If load power is over the controller's max output power, you should use the amplifier. Amplifier quantity depends on the led product's max loading.
- 2) four pin connections port (connect power) is the input port, six pin connects is output port, as the diagram showing. Connect the wire base on the printed instruction. V+ is the anode wire, R, G, B pin port is corresponding R,G,B wire which is from RGB light bar.
- 3) DC12V : Input Voltage. Please make sure match the anode and cathode when connection.

Notice:

- 1) Before use it, be sure check the RGB light bar or RGB LED Module voltage is suitable with the amplifier or not.
- 2) Power supply max load power need to be kept 20% rest.
- 3) If the led product doesn't use the same power supply, need to connect cathode of all the power supply together.
- 4) Account switch power volume with the Max volume of RGB, and keep 20% volume remains, use the output wire if the current exceeds 7A.
- 5) Connect the wires of the controller and LED fittings according to the instruction.

Attention!

Output stages are not protected against overload and will damaged in worst case. That's not included in warranty.