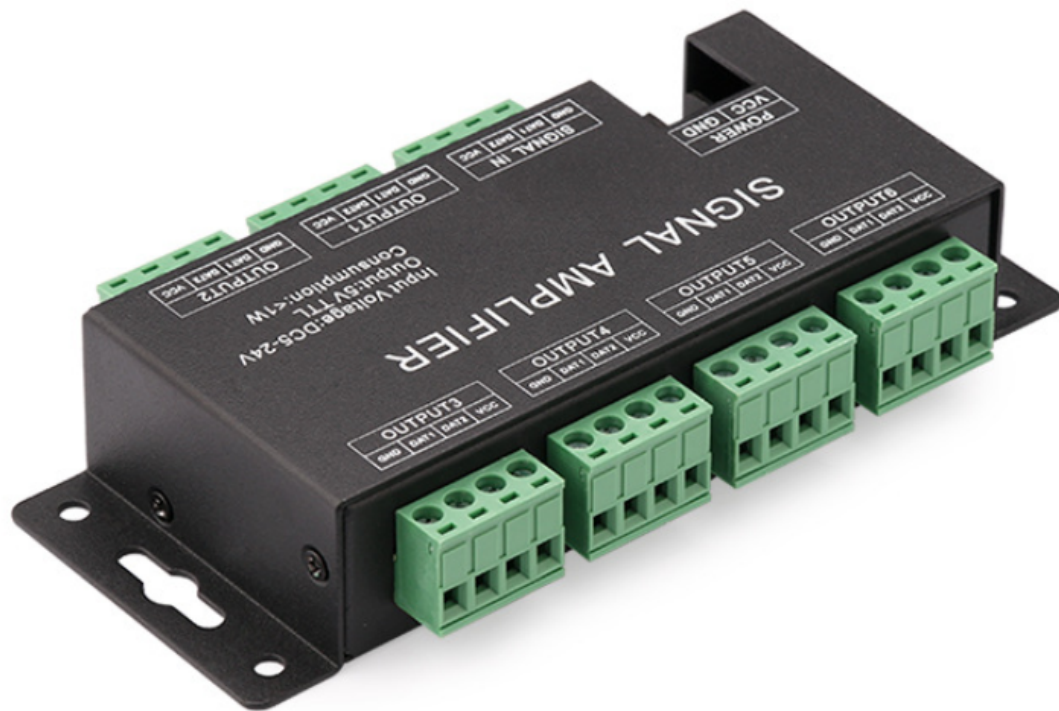


# LED· SPI signal amplifier



The color distributor is suitable for all the color controllers of our company, and each additional color distributor can output six groups of color signals to achieve the effect of synchronous change of multiple groups of color light strips; Infinite connections between the dispensers can be connected.

## Specifications:

Operating temperature: -20-60°C

Power supply voltage: 5-24V

Static power consumption: <1W

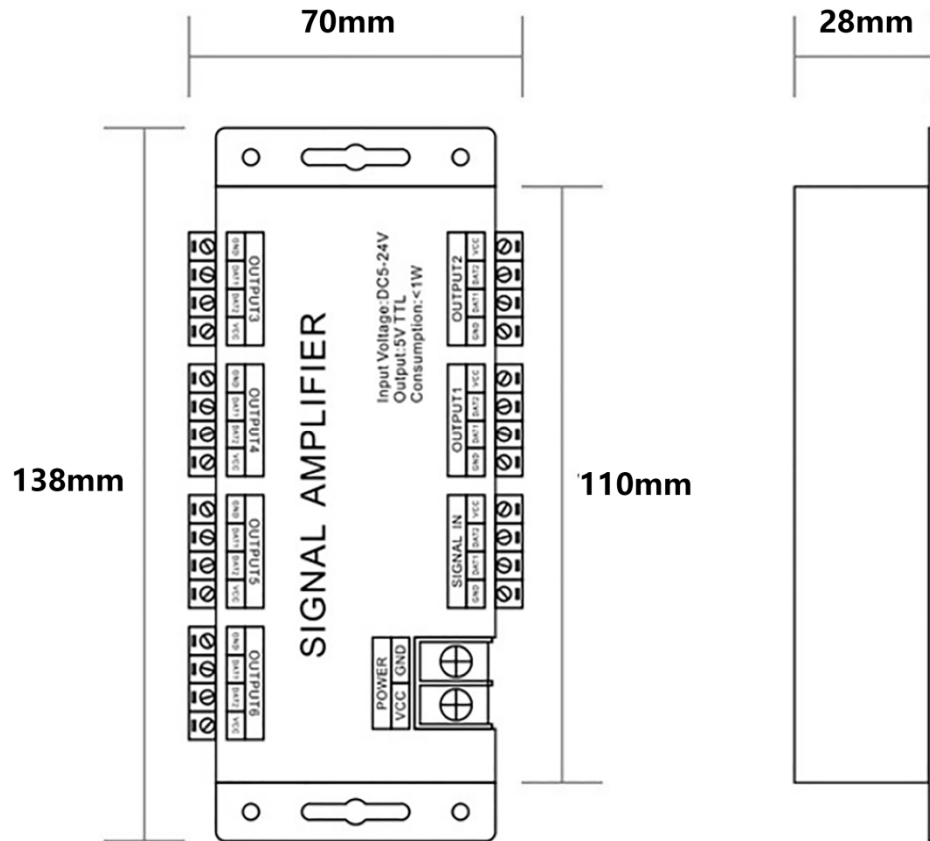
Output signal: 6 SPI signals

Net weight: 417g

Gross weight: 476g

Dimensions: L138×W70×H28mm

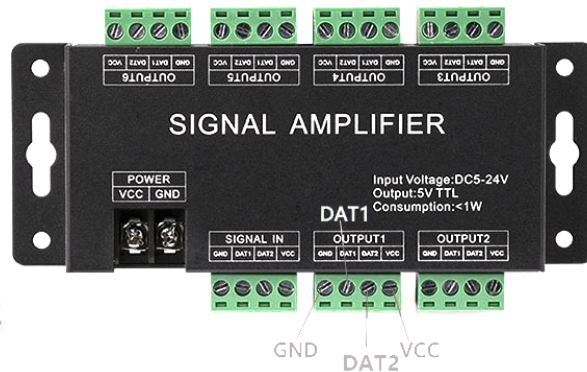
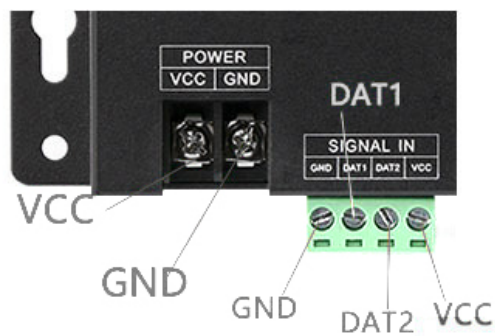
## Product Size:



## Product Description:

Input interface

Output interface

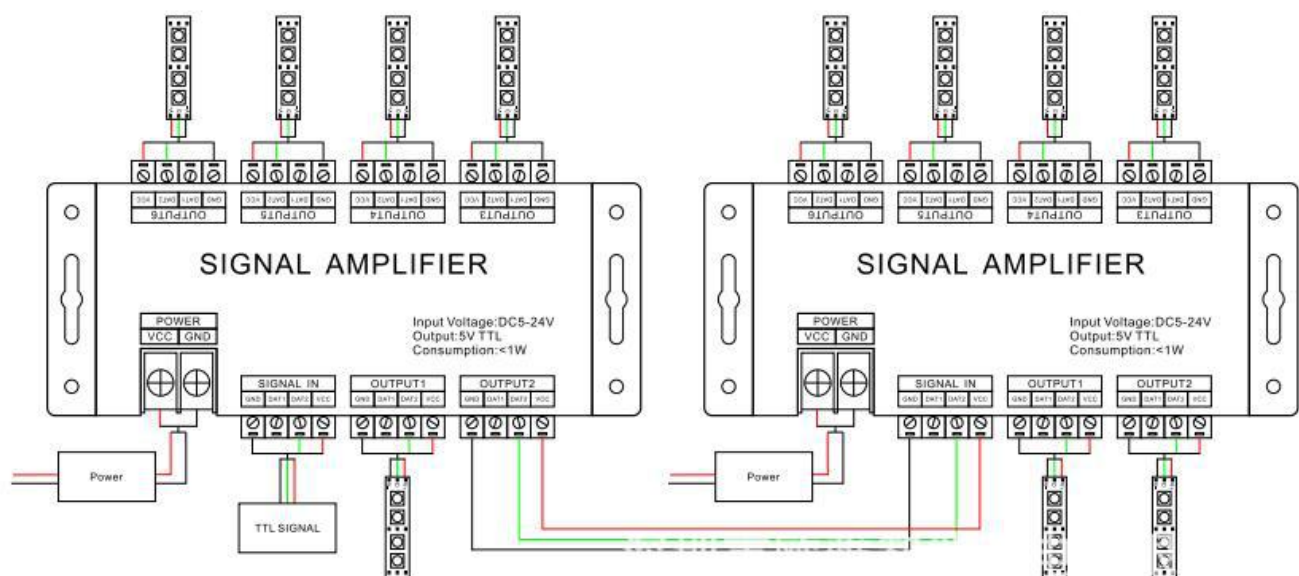


VCC is the positive power connector of output 1 port; Dat1 and Dat2 are the magic color data signal interfaces of output 1 port; GND is a public land. The other 5 outputs are the same as port 1.

## Directions of use:

According to the silk screen printing prompts on the panel of the Phantom Color Amplifier, connect the input and output signal lines in order to ensure that there is no short circuit between the lines, and then connect the Phantom Color Amplifier to the power supply, specifically with the Phantom Color control, please refer <Typical Applications>to the following

### Connection diagram:



### Installation Precautions:

1. This product should be debugged and installed by professionally qualified personnel.
2. This product cannot be waterproof, it is necessary to avoid sun and rain, if it is installed outdoors, please use a waterproof box.
3. Good heat dissipation conditions will prolong the service life of the LED controller, please install the product in a well-ventilated environment.
4. Please do not install and use such products in lightning and thunder, strong magnetic field or high voltage occasions.
5. Please check whether the output voltage of the LED power supply used meets the requirements of the product voltage range.
6. The diameter of the wire used must be enough to load the LED lamp connected, and ensure that the wiring is firm, so as to avoid the wire overheating or poor contact triggering accidents.
7. Before power-on and commissioning, make sure that all wiring is correct to avoid damage to the lamps due to wiring errors.

### After-sales service:

1. Our LED controller products provide lifelong technical support and warranty services:  
Free warranty: This product has quality problems within one year from the date of

purchase, and our company will give free repair or replacement service.

Paid warranty: Products that exceed the free warranty period will be charged a certain cost of maintenance materials.

2. The following situations are not covered by the free warranty or replacement service:

Man-made damage such as overvoltage, overload, improper operation, etc.

Any wiring errors, flooding (non-waterproof products) and unauthorized repairs.

Any serious damage or serious deformation of the shape due to transportation, knocking, etc.

The shape of the product is severely damaged or deformed.

Damage caused by natural disasters and force majeure causes, such as earthquakes, floods, fires, etc.

3. The company's maximum responsibility for the factory products is to replace the same model and quantity of products.

4. In order to speed up the timeliness of repair or replacement, please indicate the fault phenomenon, the use environment, and the operation done when the fault occurs, so as to ensure that the maintenance situation is dealt with quickly.