

### LTNGLT\*AMPS Common Anode to Common Cathode LED Power Repeater



The connection for most conventional LED light is common anode; only quite a small number is common cathode. In order to suit LED lights with common cathode, we particularly developed this special power repeater. Its Major function is to convert from common anode to common cathode, the input signal is PWM common anode signal, and the output is common cathode.

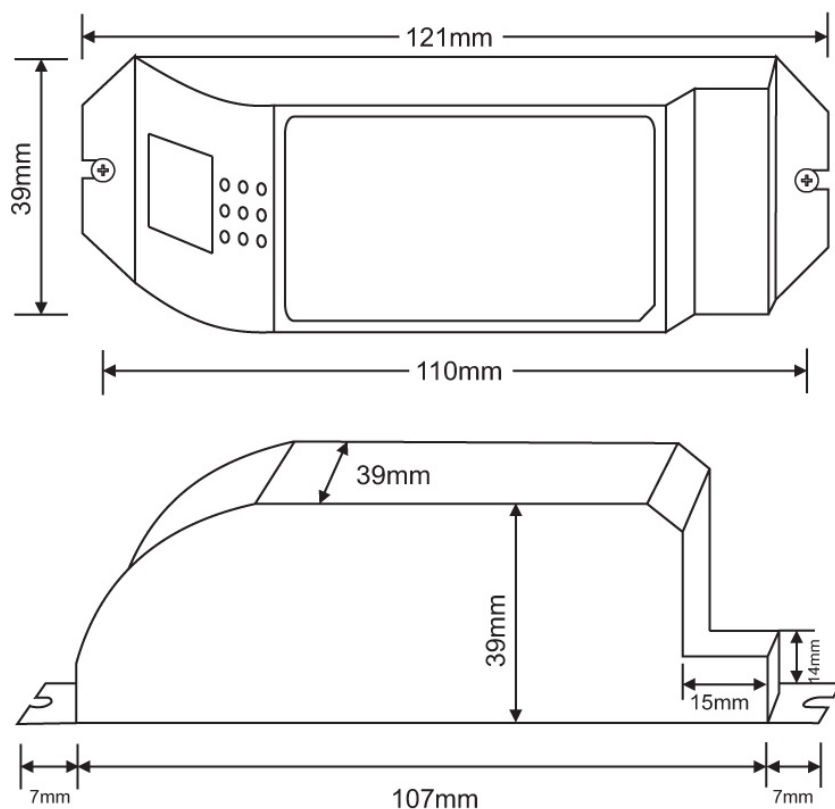
#### 1. Product Parameter:

| Common Anode to Common Cathode Power Repeater |                     |
|-----------------------------------------------|---------------------|
| Power Supply Chosen                           | DC CV SMPS          |
| Input Voltage                                 | DC12V ~ DC24V       |
| Max Load Current                              | 5A/CH×3CH 15A Max   |
| Max Output Power                              | 180W(12V) 360W(24V) |
| Working Temperature                           | -30 °C~55 °C        |
| Dimension                                     | L121×W39×H39(mm)    |
| Package Size                                  | L123×W42×H42(mm)    |
| Weight (G.W.)                                 | 100g                |

### 2. Features:

1. 3 Channels RGB output, 5A/CH, total 15A.
2. Accepts PWM control.
3. Input common anode signal, output common cathode, aims at driving low power common cathode LED lights, common cathode load can be expanded unlimitedly.
4. Parallel connection, unlimited numbers of units can be connected together.
5. The synchrony is not limited by whatever units connected there.
6. The in-phase cable length from controller to power repeater is maximum 500 meters.

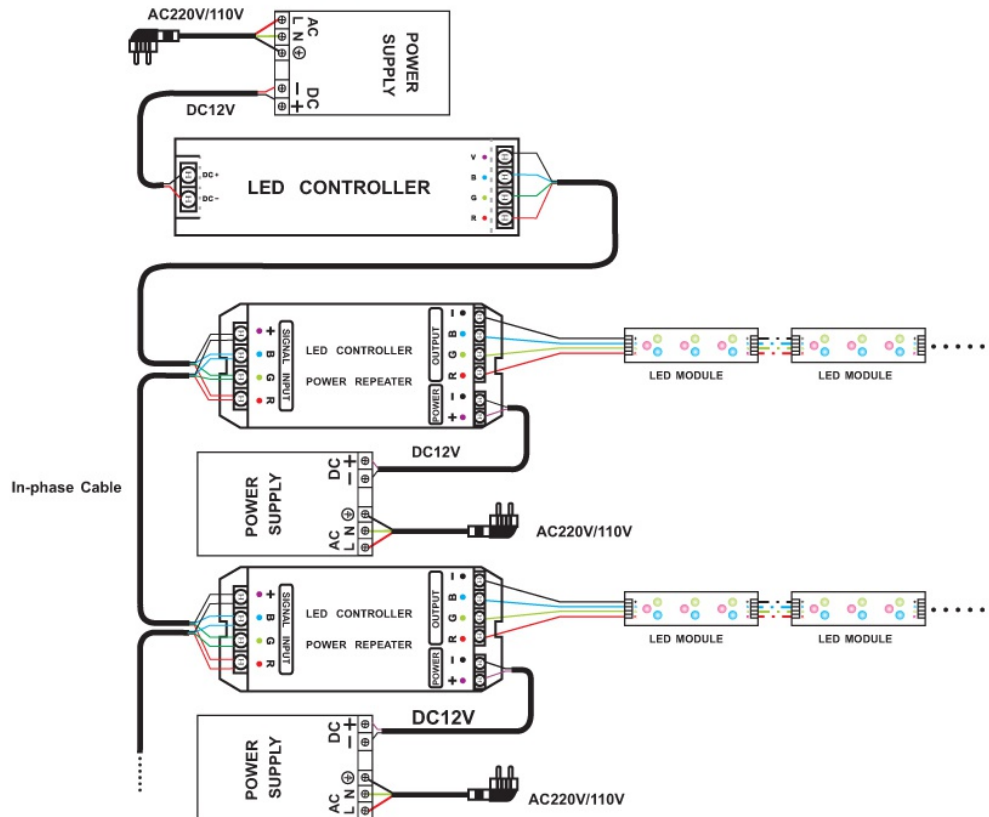
### 3. Product Dimension:



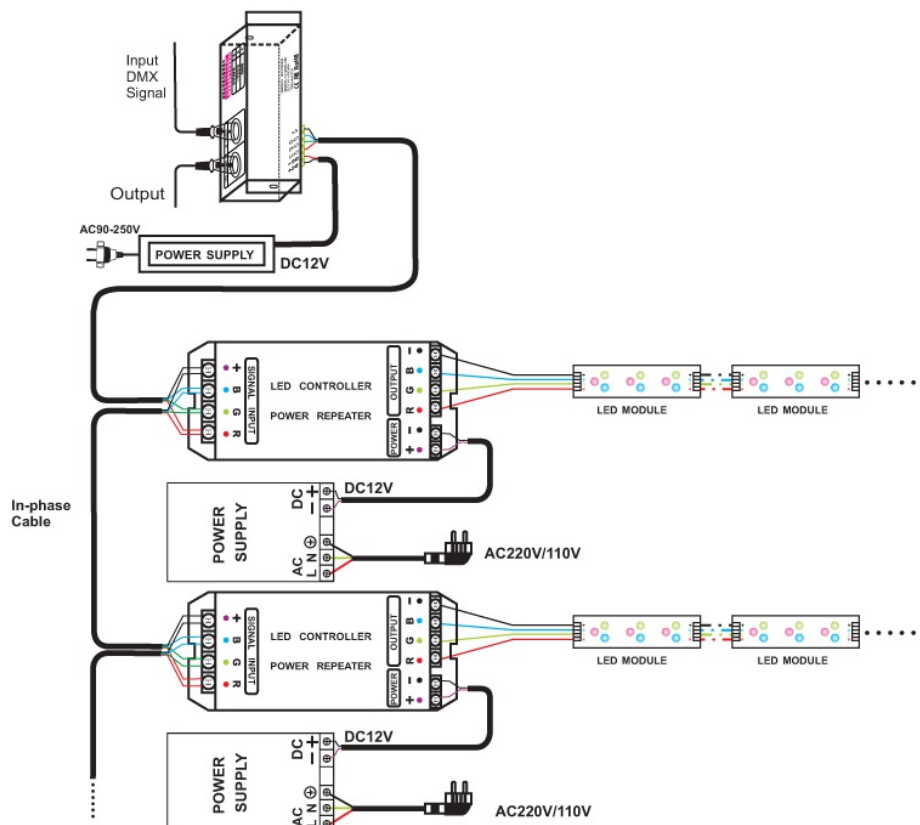
## 4. Conjunction Diagram

(All repeaters must be connected to RGB controller in parallel)

1. Repeaters Connected to RGB Controller as Follows:



2. Repeaters Connected to DMX Constant Current Decoder:



### 5. Attention:

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector to avoid the accidents due to overheat and poor contact on the wire.
6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.