

Operating Instructions - RGB Controller B - V2



Here is a color controller with advance PWM control and built in 16 modes. Smooth changing effect without flicker.

The receiver has 8 buttons for manual control - or you can use the remote control.

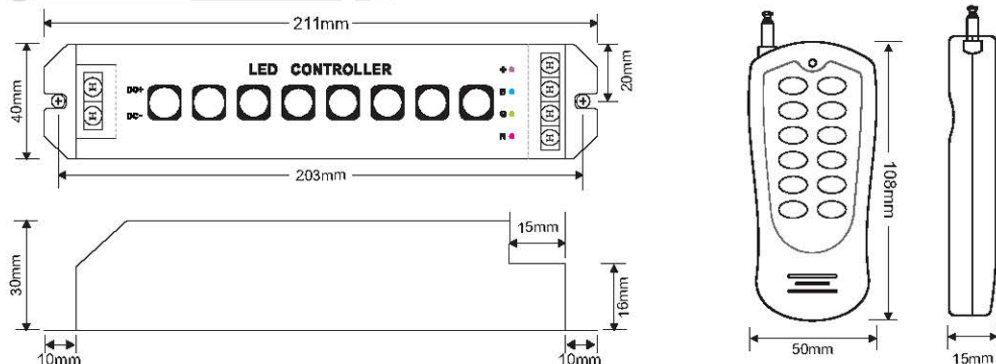
The receiver has ID learning function which is suitable for using a remote control with the same model, but different coded address. It can be suitable for most conventional RGB LED products.

The remote control is RF, and not line of sight.

1. Technical Specs:

LT-3600RF (Common Anode)	
Power Supply Chosen	DC CV SMPS
Input Voltage	DC12V ~ DC24V
Max Current Load	6A × 3CH
Max Output Power	216W/432W(12V/24V)
Grey Scale	1024×1024×1024
Remote Controlling Distance	100m
Radio Frequency Range	433.92MHz
RF Remote Output Power	8mW
Working Temperature	-30℃ -55℃
Dimension	L211×W40×H30(mm)
Package Size	L313×W50×H32(mm)
Weight (G.W.)	230g

2. Product Dimension:



3. Detailed Key Functions:

There are 8 function buttons on the receiver, the 8 keys on the receiver correspond to the first 8 keys on the remote control: **ON/OFF**, **PAUSE**, **MODE+**, **MODE-**, **SPEED+**, **SPEED-**, **BRT+**, **BRT-**.

The learning of remote control :

Learning ID: press button ON/OFF on the receiver for 3 seconds, it is on the state of addressing when RF green indicator light is on. Then press any button on remote control, the indicator light turns off, the controlling between the remote control and the receiver is activated.

Cancelling ID: press the ON/OFF key over 5 seconds, The RF green indicator light is on and then off, Press any button on remote control, the RF green indicator light start flickering, it means the controlling between remote control and receiver is cancelled.

Receiver Sign	RF remote Control Sign	Button	Description
		ON/OFF	• Close or open receiver(on or off LED lamps).
		PAUSE	• Press this button to rest at current color, • Press it again, it will continue to change. • Other function: Press in 3 seconds, the buzzer can be on or off.
		MODE+ MODE-	• Press the keys to select the change modes. • Press MODE+ over 3 seconds to enter cycle mode automatically. • Press MODE- over 3 seconds to enter DIY cycle mode automatically.
		SPEED+ SPEED-	• Press the keys to quicken or slower speed. • Press SPEED+ over 3 seconds, all speed change is restored to default status. • Press SPEED- over 3 seconds, the current change is restored to default status.
		BRT+ BRT-	• Press the keys to increase or decrease brightness. If keep pressing, the brightness will change continually.
		4 DIY Keys	• Press the keys for 3 seconds, the receiver will save the present function mode automatically, which can save 4 modes and save repeatedly as well. • Press "Mode-" in 3 seconds, the receiver will play these 4 DIY modes automatically.

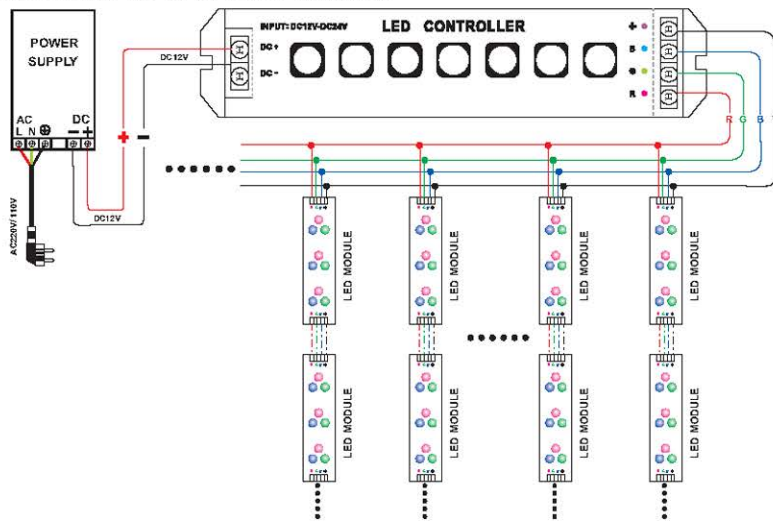
Note: press "MODE-" key for 3 seconds, merely play the dynamic effects. If the DIY modes save the static effects, that will be skipped.

4. Tables of Changing Modes:

Sequence	Modes	Description
1	Static Red	Brightness Adjustable
2	Static Green	Brightness Adjustable
3	Static Blue	Brightness Adjustable
4	Static Yellow	Brightness Adjustable
5	Static Purple	Brightness Adjustable
6	Static Cyan	Brightness Adjustable
7	Static White	Brightness Adjustable
8	3 color Skipping	Brightness and Speed Adjustable
9	7 color Skipping	Brightness and Speed Adjustable
10	White Color Strobe	Brightness and Speed Adjustable
11	3 Color Smooth	Brightness and Speed Adjustable
12	Full Color Smooth	Brightness and Speed Adjustable
13	RG Color Smooth	Brightness and Speed Adjustable
14	RB Color Smooth	Brightness and Speed Adjustable
15	GB Color Smooth	Brightness and Speed Adjustable
16	White Color Fade & Change	Brightness and Speed Adjustable

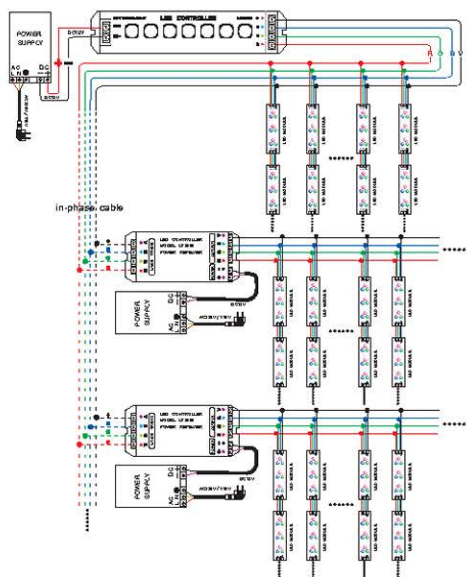
5. Conjunction Sketch Map:

Connected to LED RGB Module:



6. Conjunction Diagram Working with Power Repeater:

(Connected to LED module as an example)



7. 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.
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.

8. Warranty Agreement:

1. We provide lifelong technical assistance with this product:
 - A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 5-year warranty we reserve the right to charge for time and parts.
2. Warranty exclusions below:
 - Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
 - The product appears to have excessive physical damage.
 - Damage due to natural disasters and force majeure.
 - Warranty label, fragile label and unique barcode label have been damaged.
 - The product has been replaced by a brand new product.
3. Repair or replacement as provided under this warranty is the exclusive remedy to the customer.