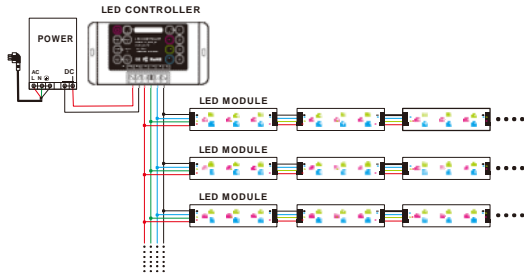


## 5. Conjunction diagram



## 6. Attention

1. The product shall be debugged and installed by professional persons.
2. This product is non-waterproof, please avoid the sun and rain. Put it in a water-proof box if install outdoor.
3. Good condition of heat dissipation will prolong the working life of controller, please install the product in a good ventilated condition.
4. Please check if the output voltage of the LED power supply comply with the voltage range of the product.
5. The diameter of adopted cable should load enough connected LED light. Ensure a solid connection in order to avoid triggering accident result from poor contact or cable overheat.
6. Ensure all wire connection are correct before power debugging, which is to avoid lamps to be burnt because of wrong connection.
7. Please do not maintain it by yourself if any fault, please contact your supplier if any question.

## 7. After sales service

1. Our LED controllers are provided with lifelong technical maintenance and warranty service.
  - Free warranty: Within 3 years from the date of purchase, we will offer free repair or replacement if any product quality problem.
  - Charge warranty: If the product beyond the free charge maintenance period, we will charge certain material cost.
2. The below situations exclude from free warranty.
  - The damage caused by improper connection to power supply, exceeded voltage, overload.
  - Use the product in a incorrect way.
  - The appearance of the product has been damaged severely or be out of shape.
  - Natural disasters and force majeure damage.
  - Warranty fragile label and the unique barcode have been damage.
3. The most responsibility we take is that we change the same models and same quantities products.
4. As for the repair products, please write down the description to malfunction, working environment, and what you have done when malfunction happened, which are helpful to solve the problems quickly.

This manual is only apply to this model. Any update is subjected to change without prior notice.

## LT-3800-6A LED RGB Controller



LT-3800-6A RGB controller is a unique DIY version as well as a powerful combination that can control color changes of LED lights with 4-pin 3-channels (Common anode), built-in 18 modes with touch functional buttons, provided with IR wireless remote control panel, users can control color changes of LED light by pressing the button on the controller or on the remote control panel, very users friendly.

### 1. Technical Specs

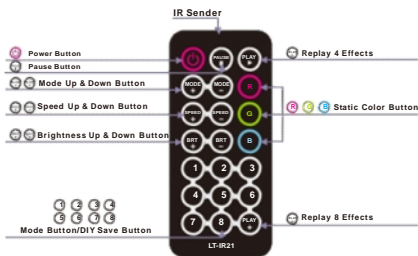
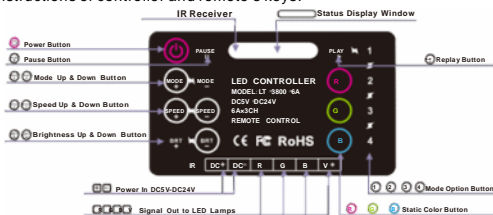
LT-3800-6A Constant voltage controller	
Power supply chosen	DC CV SMPS
Input voltage	DC5V ~ DC24V
Max load current	6A/CHx3CH Max 18A
Max load power	90W/216W/432W(5V/12V/24V)
Changing mode	18 modes
Scale level	256 steps per RGB
Static dimming	mixing up 4096 colors
Working temperature	-30°C-65°C
Dimension	L142xW73xH30mm
Package Size	L145xW88xH46mm
Weight (G.W)	350g

## 2. Features

1. Automatic switch from DC5-DC24V.
2. With 24 Buttons IR Wireless remote control, reliable control distance can reach as far as 10m.
3. Several DIY Storage Buttons, to record your favorite effect .
4. 0-100% dimming and 16 levels of static brightness per RGB, can mix 4096 colors.
5. 3-Channel RGB full color control, maximum outputs 6A per Channel.
6. 256 Grey steps per RGB, color-smooth effect is gentle and accurate.
7. Can choose changing speed separately and adjust the brightness of each mode.
8. Can rest at current color and color depth by selecting PAUSE function.
9. Working with our LT-3060, can expand power unlimitedly.

## 3. Operating instructions

1. Instructions of controller and remote's keys:



## 4. Detailed key functions

Sign	Button	Description
	<b>ON/OFF</b>	Turn on/off the controller Any button can start the controller at off status.
	<b>PAUSE</b>	Press this button will rest at current color, it will continue to change if press again. Press this button in 3 seconds, the buzzer can be on or off.
	<b>MODE+ MODE-</b>	Press them to select next mode or back to previous mode (pls refer to the V1 item) . Press MODE+ or press MODE- over 3s to enter cycle mode.
	<b>SPEED+ SPEED-</b>	Press them to quicken or slower speed, press SPEED+ or SPEED- over 3s, current speed is restored to Default status.
	<b>BRT+ BRT-</b>	Press them to increase or decrease brightness, press any one over 3s, current brightness is Restored to Default status.
	<b>DIY modes</b>	Press them over 3s, LED flickers twice, then remember current change mode on this button, it can save 4 modes, just press it once then enter into pre-setup mode.
	<b>DIY modes of remote</b>	Press them over 3s, LED flickers twice, then remember the current mode on this button, it can save 8 modes, later can reach your pre-setup mode by just pressing it once.
	<b>PLAY</b>	Cycle play the 4 pre-setup modes in controller.
	<b>RGB Dimming key</b>	1. Press single R, G, B key continuously to change the brightness of RGB LED. 2. In single R, G or B dimming status, press BRT+/BRT- key to increase/decrease the brightness of current LED
	<b>PLAY+</b>	Cycle play the 8 pre-setup modes in IR remote Controller.

- Note:**
1. The functions of 1-4 DIY keys on the controller are the same with the 1-4 DIY keys on the remote control.
  2. The cycle play buttons can only play the dynamic changing effects, if DIY reserved a static color, the static color will be skipped when pressing the cycle play button.