

LC-OL-5RGBC-WR Pro RGB Controller with IR Remote, 5-24VDC 6A/CH

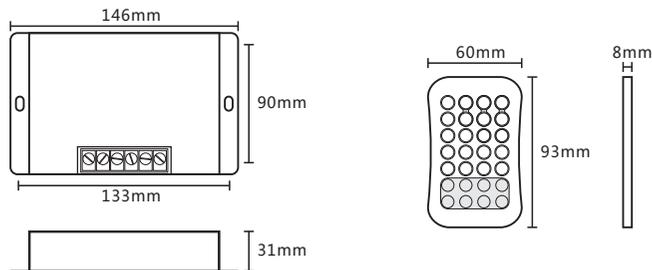


The Pro RGB controller is a unique DIY version as well as a powerful combination that can control color changes of LED lights with 4-pin 3-channels (Common anode), built-in 12 modes which can change any of three types: color skipping, color smooth and color flicker, with touch functional buttons, provided with IR wireless remote control, users can control color changes of LED light by pressing the button on the controller or on the remote control panel, very users friendly. 2013 upgraded and improved performance, each function is optimized, using more humanization. Key to join new concept programming function, users only need 10 seconds can program DIY new changes effect easily!

1. Technical Specs

Input Voltage	DC5V~DC24V
Max load current	6A/CH×3CH Max 18A
Max load power	90W/216W/ 432W(5V/12V/24V)
Changing mode	12 Modes, 3 types
Scale level	>1024 steps per RGB
Static dimming	16 Steps per RGB
Working temperature	-30°C~65°C
Dimension	L146×W90×H31mm
Package Size	L160×W130×H45mm
Weight (G.W)	470g

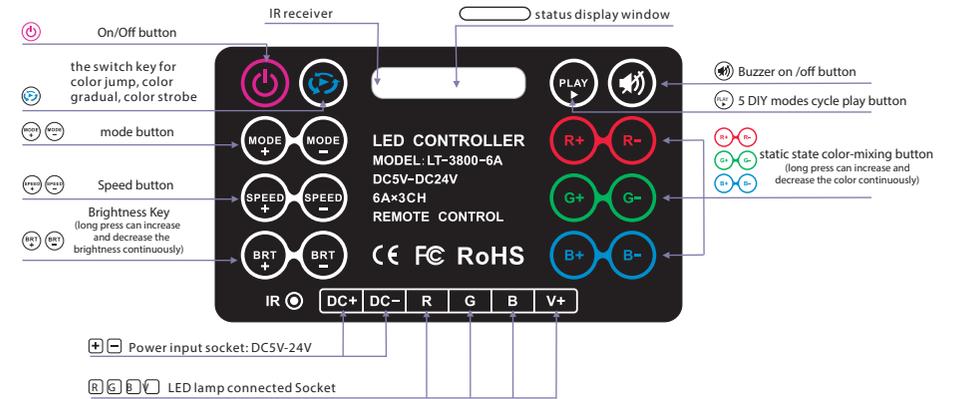
2. Product dimension



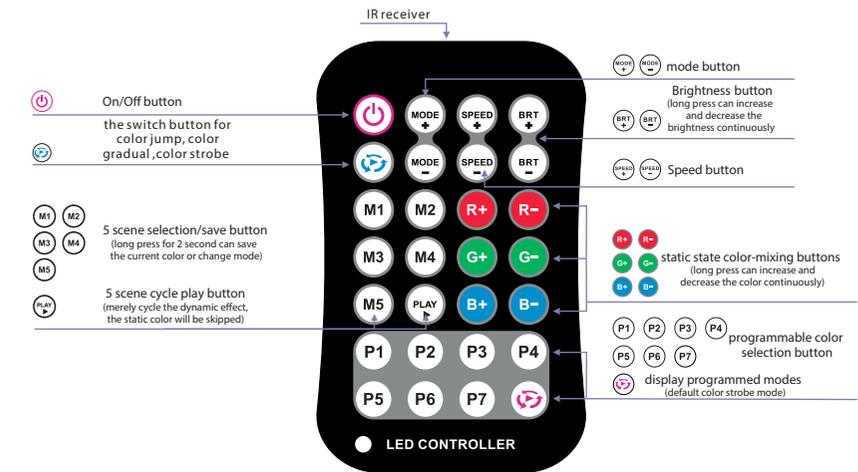
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3. Instruction

1. controller and remote instruction



controller panel Instruction



Remote control instruction

2. Function of other keys

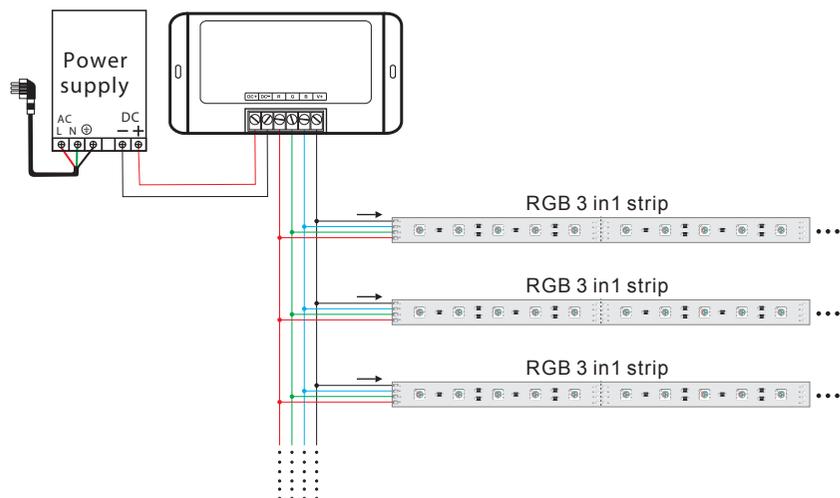
- SPEED+/-** : Long press **SPEED+** to restore the defaults for the all modes' speed, long press **SPEED-** to restore the defaults for the current modes' speed.
- Program selection button**
 - Press **P1 ~P7** shortly at any time, which will bring up the stored static color (RGB value, overall brightness value), at the same time enter into RGB static mode you can further adjust color, real-time storage.
 - Press the keys **P1 ~P7** sequentially, you can view the 8 color change mode.
 - Press the **SWITCH** button, according to the color values of **P1 ~P7** playing changing effect. The default run jump mode, press the **SWITCH** button to change the three types of changing modes, the default speed according to the most appropriate observation, the default maximum brightness.
 - After programmed the change effect, you can change speed and brightness fatherly, and save as **DIY** change mode.
 - If the editor changes the effect of color number less than 7 colors, stored last several color as black.
 - if you need to program the fade and change effect, for example, red color fade & change add green color fade & change, the first color must be in black, so the order for the seven colors is black, red, black, green, black, black, black.
 - P1 ~P7** key without programming can store the color you like, easy to bring up the display.

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4. Tables of Changing Mode

No.	Color	Press  button to switch the 3 types		
		Skipping	Smooth	Strobe
1	Red	Static Red	Red fade out and fade in	Red strobe
2	Green	Static Green	Green fade out and fade in	Green strobe
3	Blue	Static Blue	Blue fade out and fade in	Blue strobe
4	Yellow	Static Yellow	Yellow fade out and fade in	Yellow strobe
5	Purple	Static Purple	Purple fade out and fade in	Purple strobe
6	Cyan	Static cyan	Cyan fade out and fade in	Cyan strobe
7	White	Static white	White fade out and fade in	White strobe
8	Red, green	Red, green skipping	Red, green color smooth	Red, green strobe
9	Red, blue	Red, blue skipping	Red, blue color smooth	Red, blue strobe
10	Green, Blue	Green, Blue skipping	Green, Blue color smooth	Green, Blue strobe
11	Red, green, blue	RGB skipping	RGB color smooth	RGB strobe
12	Red, green, blue, yellow, purple, cyan, white	7 colors skipping	Full-color smooth	7 colors strobe

5. Tables of Changing Mode



[Notes] : Power repeater can be added if connect to more LED, please refer to the manual of power repeater for the specific connection method.

6. 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.

7. Warranty Agreement

1. We provide lifelong technical assistance with this product:
 - A 1-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 1-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. Ecology shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
4. Any amendment or adjustment to this warranty must be approved in writing by Ecology only.

★ This manual only applies to this model. Ecology reserves the right to make changes without prior notice.