



General

Product Type	Constant Voltage Driver, Controller,
Length (mm)	215
Width (mm)	40
Height (mm)	30
Housing Color	White
Housing Material	PC
Mounting	Surface mounted
Weight (g)	175

Electronics

Input Domain	DC
Input Voltage	12 ~ 24V DC
Output Current (mA) max/output	6000
Output Current Max. (A)	18
Output Power (W)	216W @ 12V, 432W @ 24V
Power Supply	N/A
LED Outputs	3

Lighting

Color Range	RGB
-------------	-----

Control

Output Signal	PWM-CV
Control	Manual
Functions	programmable

Environmental

Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP20

CE IP20 5 year warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



LT-3600 LED RGB Controller



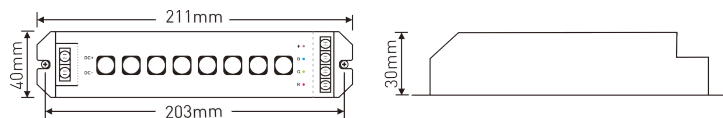
LT-3600 is a multi-functional RGB LED controller, adopts advanced PWM control technique, built-in 32 modes. Smooth changing effect, without flicker; PC engineering plastic shell, exquisite appearance; The controller has 8 keys, which are used for choosing ON/OFF, PAUSE, MODE+/-, SPEED+/-, BRT+/- . It can automatically adapt to 12-24Vdc input, suitable for most conventional RGB LED products, such as LED strips, LED modules, and all low-power RGB LED lights that current is limited by resistors can be controlled.

1. Technical Specs:

LT-3600 (Common Anode)

- Input Voltage: 12~24Vdc
- Max Current Load: 6A × 3CH
- Max Output Power: 216W/432W(12V/24V)
- Working Temp.: -30℃ -55℃
- Dimensions: L211×W40×H30(mm)
- Package Size: L215×W43×H33(mm)
- Weight (G.W.): 175g

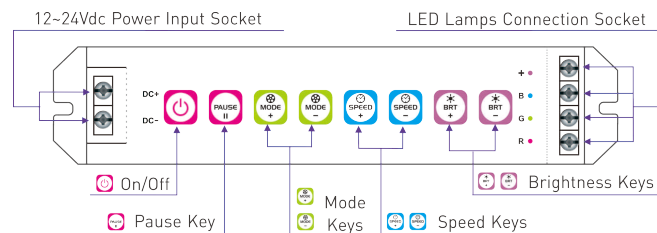
2. Product Size:



3. Detailed Key Functions:

There are 8 function keys on the controller:

ON/OFF, PAUSE, MODE+, MODE-, SPEED+, SPEED-, BRT+, BRT-



Other Functions:

- Press **PAUSE** in 3 seconds, the buzzer can be on or off.
- Press **MODE+** over 3 seconds to auto loop play dynamic modes.
- 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.

4. Table of Changing Modes:

No.	Modes	No.	Modes	No.	Modes
1	Static Red	12	Red Fade out and Fade in	23	Red Yellow Color Smooth
2	Static Green	13	Green Fade out and Fade in	24	Green Cyan Color Smooth
3	Static Blue	14	Blue Fade out and Fade in	25	Blue purple Color Smooth
4	Static Yellow	15	Yellow Fade out and Fade in	26	Green Yellow Color Smooth
5	Static Purple	16	Purple Fade out and Fade in	27	Blue Cyan Color Smooth
6	Static Cyan	17	Cyan Fade out and Fade in	28	Red Purple Color Smooth
7	Static White	18	White Fade out and Fade in	29	Blue White Color Smooth
8	RGB Skipping	19	RGB Fade out and Fade in	30	Yellow Purple Cyan Color Smooth
9	7 Colors Skipping	20	Red Green Color Smooth	31	RGB Color Smooth
10	White Strobe	21	Red Blue Color Smooth	32	Full-color Smooth
11	7 Colors Strobe	22	Green Blue Color Smooth		

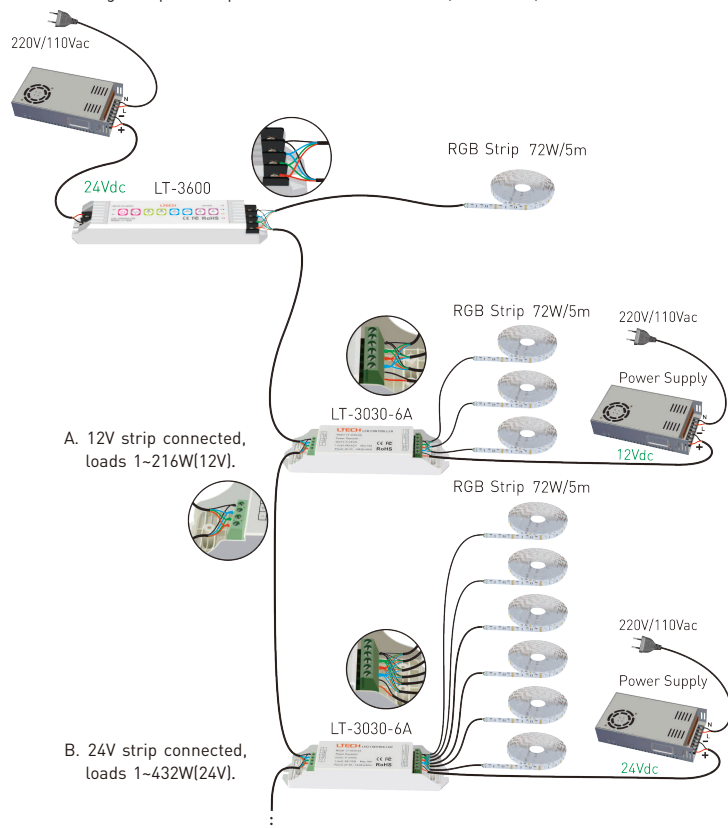
Note: Brightness is adjustable for static effect, brightness/speed are adjustable for changing effect.

5. Wiring Diagram:

5.1 Connected to LED RGB Strips:



5.2 Working with power repeater (Connected to LED RGB strips as an example):



6. Attention:

- 6.1 The product shall be installed and serviced by the qualified person.
- 6.2 This product is non-waterproof. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 6.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 6.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 6.5 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.
- 6.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6.7 If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

7. Warranty Agreement:

7.1 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 cover manufacturing faults only.
- For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.

7.2 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.

7.3 Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

7.4 Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

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