



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



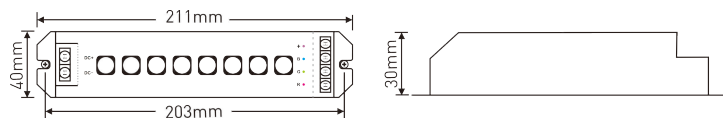
LT-3600 is a multi-functional RGB LED controller, adopts advanced PWM control technique, built-in 32 modes. Smooth changing effect, without flicker; PC engineering plastic shell, exquisite appearance; The controller has 8 keys, which are used for choosing ON/OFF, PAUSE, MODE+/-, SPEED+/-, BRT+/- . It 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°C -55°C
- Dimensions: L211×W40×H30(mm)
- Package Size: L215×W43×H33(mm)
- Weight (G.W.): 175g

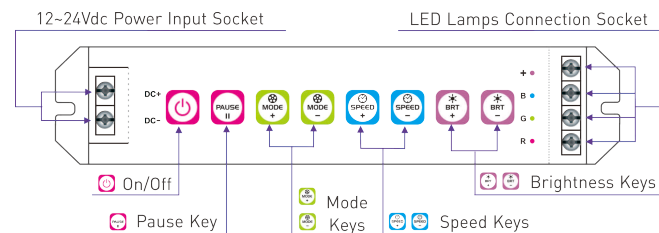
### 2. Product Size:



### 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     |     |                                 |

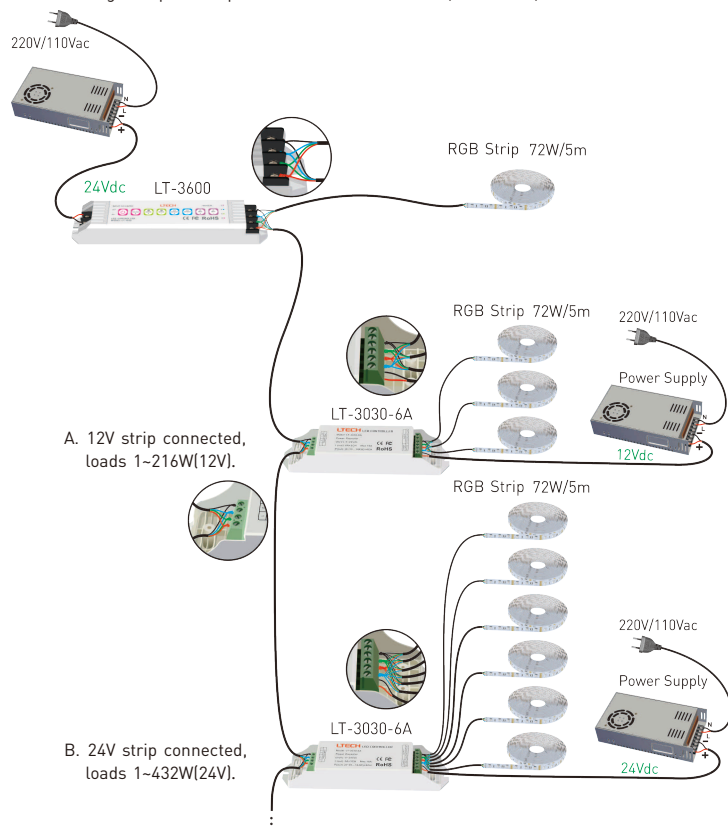
**Note:** Brightness is adjustable for static effect, brightness/speed are adjustable for changing effect.

## 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.