LT-3600
LED RGB Controller

ISO9001:2008 FC CE RoHS COMPLIANT warranty 3 years

LT-3600 multi function LED controller is dedicated to control entire RGB color changes of LED lights with 4 wires (common anode), such as RGB LED module, LED strip, LED tape, and other LED lights.

This controller can work with Power Repeater to expand the power output, realizing infinite power expansion to connect any quantity of LED lights.

1. Technical Specs

LT-3600 (Common Anode)	
Power supply chosen	DC CV SMPS
Input voltage	DC5V～DC24V
Max current load	6A/CH×3CH 18A Max
Max output power	90W/220W/450W(5V/12V/24V)
Grey scale	256 levels per RGB
Working temperature	-30℃-55℃
Dimension	L211×W40×H30(mm)
Package Size	L215×W43×H33(mm)
Weight (G.W)	160g

2. Product dimension

LED CONTROLLER
211mm
203mm
40mm
20mm
30mm
15mm
16mm
10mm 10mm
DC + DC - + B G R
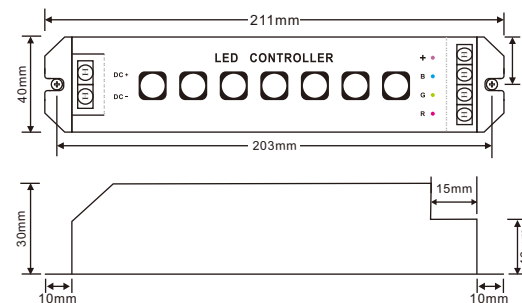
3. Operating instructions

The controller, there are 7 function keys:

ON/OFF、PAUSE、MODE+、MODE-、SPEED、BRT、RESET

Sign	Button	Description
⏻	ON/OFF	ON/OFF：Turn on/off the controller.
PAUSE II	PAUSE	Pause：Press this button to rest at current color, press it again, it will continue to change.
MODE +	MODE+	Mode+：Press this button to select next mode
MODE −	MODE-	Mode-：Press this button to return previous mode
SPEED	SPEED	Speed：Press this button to select 1-8 speed changing levels.
BRT	BRT	Brightness：Press this button to select 1-8 brightness adjustment levels.
RESET	RESET	Reset：Press it for a second, enter Cycle mode；Press this button over 3 seconds，if LED flickers twice, it means it has restored to Default status successfully.

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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
17	Great cycle	All changing modes overlap cycle

5. Conjunction sketch map

Connected to LED RGB module:
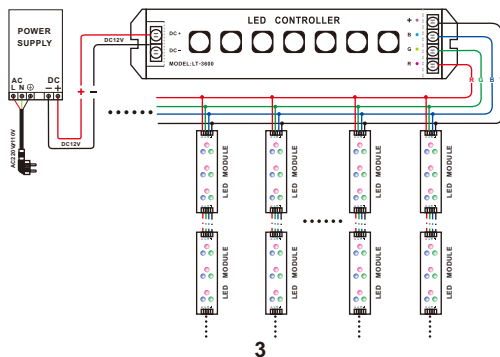
6. Conjunction diagram, working with power repeater

（Connected to LED module as an example）
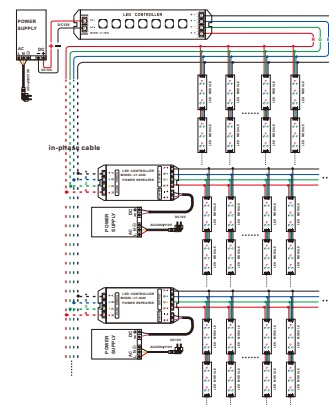
7. Attention

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 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.

8. Warranty Agreement

1. We provide lifelong technical assistance with this product:
   ● A 3 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 3 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. Ltech 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 Ltech only.

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