LT-3600RF
LED RGB Controller

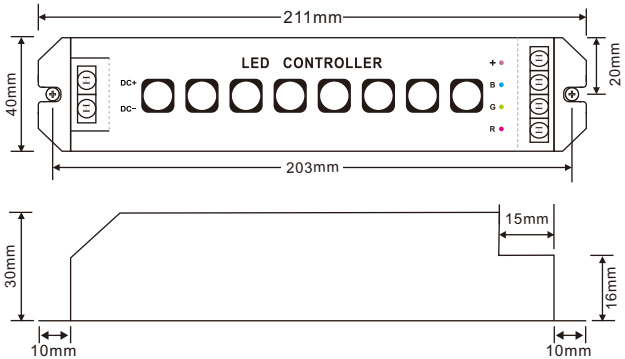
ISO9001:2008 FC CE RoHS COMPLIANT warranty 3 years

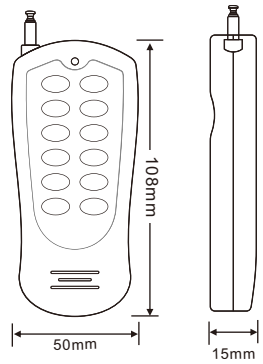
LT-3600 RF is a multi-functional RGB LED controller, adopts advanced PWM(Pluse-Width Modulation)control technique, built-in 16 modes. Smooth changing effect,without flicker; With unique touch technique,the controller has 8 touch buttons,which are used for choosing ON/OFF,PAUSE,MODE+/-,SPEED+/-, BRT+/-,Also can use RF wireless remote for long-distance control.The controller has ID learning function,which suitable for the remote control with same model but different coded address.It can automatically adapt to DC12-24V input,suitable for most conventional RGB LED products,such as LED strips, LED modules,etc. and all low-power RGB LED lights whose current is limited by resistors can be controlled.

1. Technical Specs

LT-3600RF (Common Anode)	
Power supply chosen	DC CV SMPS
Input voltage	DC12V～DC24V
Max current load	6A/CH×3CH
Max output power	216W/432W(12V/24V)
Grey scale	1024×1024×1024
Remote controlling distance	100m
Working temperature	-30℃-55 ℃
Dimension	L211×W40×H30(mm)
Package Size	L313×W50×H32(mm)
Weight (G.W)	230g

2. Product dimension





3. Detailed key functions:

There are 8 touching function buttons on the controller, the 8 keys on the controller correspond to the first 8 keys on the remote control: **ON/OFF, PAUSE, MODE+, MODE-, SPEED+, SPEED-, BRT+, BRT-**

Remote control study method:

Learning ID: Press ON/OFF over 3 seconds , controller RF green indicator lights is on, right now into the address coding state, press any key to a remote control, green indicator lights is off, meaning the remote control and controller has already been activated in control.

Delete ID: Press ON/OFF over 5 seconds ,controller RF green indicator lights is on and then off, this time to press the remote control any key and green indicator lights flashing a few fast, meaning the remote control and controller has been cancelled controlled relationship.

Sign	RF	Button	Description
		ON/OFF	**ON/OFF key:** Close or open controller (ON or OFF LED lamps)
PAUSE		PAUSE	**Pause:** Press this button to rest at current color, press it again, it will continue to change. Other function: Press in 3 seconds, the buzzer can be on or off.
MODE+ MODE-	M+ M-	MODE+ MODE-	Press the keys to select the change modes. Press **MODE+** over 3 seconds to enter cycle mode automatically. Press **MODE-** over 3 seconds to enter DIY cycle mode automatically.
SPEED+ SPEED-	S+ S-	SPEED+ SPEED-	Press the keys to quicken or slower speed. 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.
BRT+ BRT-	B+ B-	BRT+ BRT-	Press the keys to increase or decrease brightness. If keep pressing, the brightness will change continually.
	M1 M2 M3 M4	4 DIY keys	Press the keys for 3 seconds, the controller will save the present function mode automatically, which can save 4 modes and save repeately as well. Press "Mode-" in 3 seconds, the controller will play these 4 DIY modes automatically.

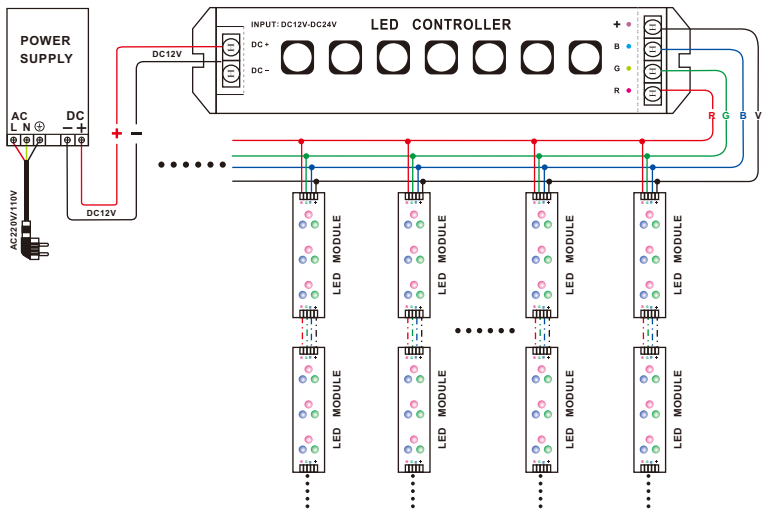
Note: Press "MODE-" key for 3 seconds ,merely play the dynamic effects. If the DIY modes save the static effects, that will be skipped.

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

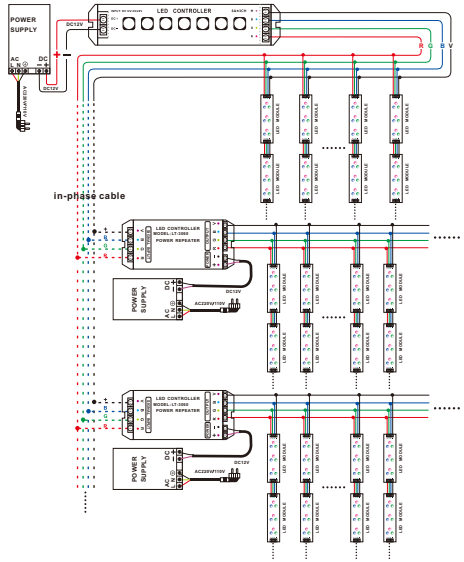
5. Conjunction sketch map

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.