

LT-3600RF LED RGB Controller



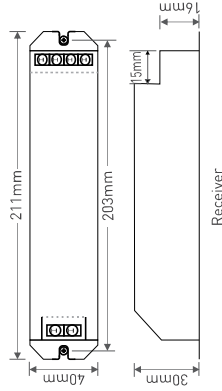
LT-3600RF is a multi-functional RGB LED controller, use the advanced PWM (Pulse-Width Modulation) control technique, built-in 32 kinds of changing mode. Smooth changing effect without flicker; PC engineering plastic shell, exquisite appearance. The receiver has 8 keys, which are used for namely ON/OFF, PAUSE, MODE+/-, SPEED+/-, BRT+/-, compatible with RF remote (100m control distance). 12~24V DC wide voltage input, 3CH output (common anode), widely used for all kinds of LEDs with current-limiting resistor, like RGB LED modules, LED strips, SMD and so on.

1. Technical Specs:

LT-3600RF (Common Anode)

- Input Voltage: 12~24V DC
- Max Current Load: 6A x 3CH
- Max Output Power: 216W/432W(12V/24V)
- RF Remote Distance: 100m
- Radio Frequency: 433.92MHz
- Remote Output Power: 8mW
- Working Temp.: -30°C ~ 55°C
- Dimensions: L211xW40xH30(mm)
- Package Size: L313xW50xH32(mm)
- Weight (G.W.): 240g

2. Product Size:

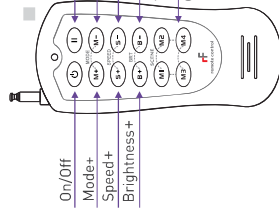
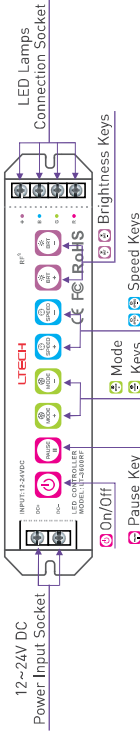


Receiver

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3. Detailed Key Functions:

8 function keys on the receiver, which is corresponding to the first 8 buttons on the RF remote: namely ON/OFF, PAUSE, MODE+, MODE-, SPEED+, SPEED-, BRT+, BRT-.



Other Functions:

- A. Press PAUSE in 3s, the buzzer can be on or off.
- B. Press MODE+ for 3s to auto loop play all the modes.
- C. Press MODE- for 3s to 4 scene modes, merely play the changing modes, the static color will be skipped.
- D. Press SPEED+ for 3s, all speed change is restored to default status.
- E. Press SPEED- for 3s, the current change is restored to default status.

ID Learning Method:

Learning ID: Press "On/Off" key on the receiver for 3s, the buzzer long beep and the green light will be on, release the key, press any button on the remote, when the green light turns off means activated.

Cancelling ID: Press "On/Off" key on the receiver for 5s, the buzzer long beep, the green light will be on and flash once, meanwhile press any button on the remote, when the green light flashes several times means ID cancelled (do not release the "On/Off" key during the process).

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	7 Colors Skipping	19	RGB Fade out and Fade in	30	Yellow Purple Cyan Color Smooth
9	White Strobe	20	Red Green Color Smooth	31	RGB Color Smooth
10	7 Colors 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.

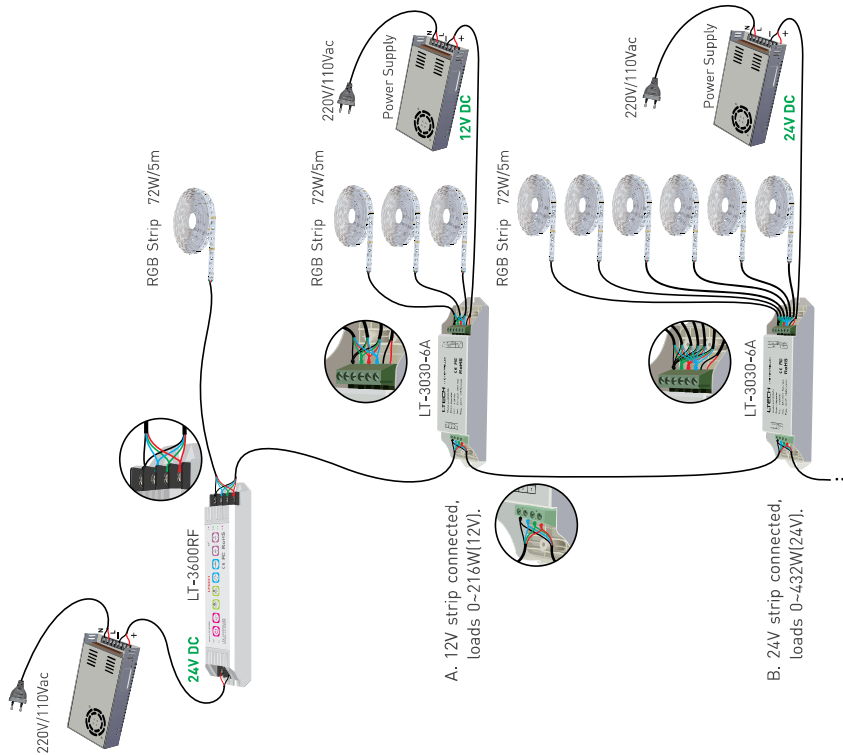
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5. Wiring Diagram:

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.