LT-3600RF
LED RGB Controller

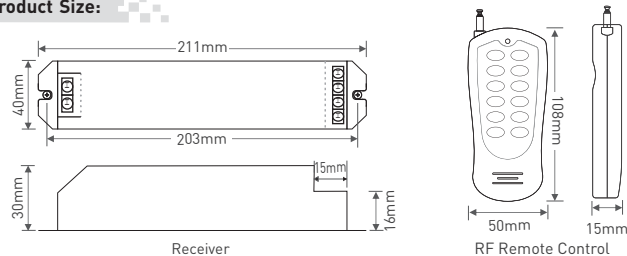FC   CE   RoHS COMPLIANT   warranty 5 years   ISO9001:2008

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.
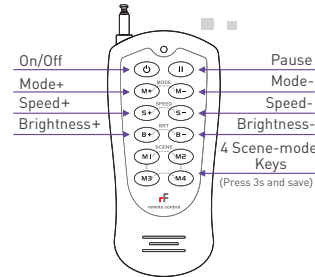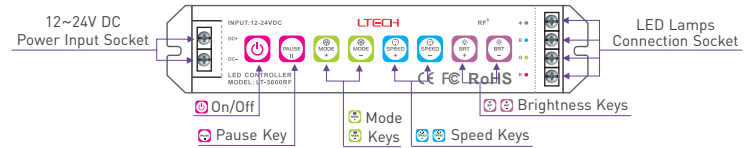
1. Technical Specs:

LT-3600RF (Common Anode)

- Input Voltage: 12~24V DC
- Max Current Load: 6A × 3CH
- Max Output Power: 216W/432W(12V/24V)
- RF Remote Distance: 100m
- Radio Frequency: 433.92MHz

- Remote Output Power: 8mW
- Working Temp.:   -30℃ ~ 55℃
- Dimensions: L211×W40×H30(mm)
- Package Size: L313×W50×H32(mm)
- Weight (G.W.):   240g

2. Product Size:

211mm
40mm
203mm
30mm
15mm
16mm
Receiver

108mm
50mm   15mm
RF Remote Control

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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-.

12~24V DC Power Input Socket   LED Lamps Connection Socket

On/Off   Pause Key   Mode Keys   Speed Keys   Brightness Keys

On/Off   Pause
Mode+   Mode-
Speed+   Speed-
Brightness+   Brightness-
4 Scene-mode Keys (Press 3s and save)

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

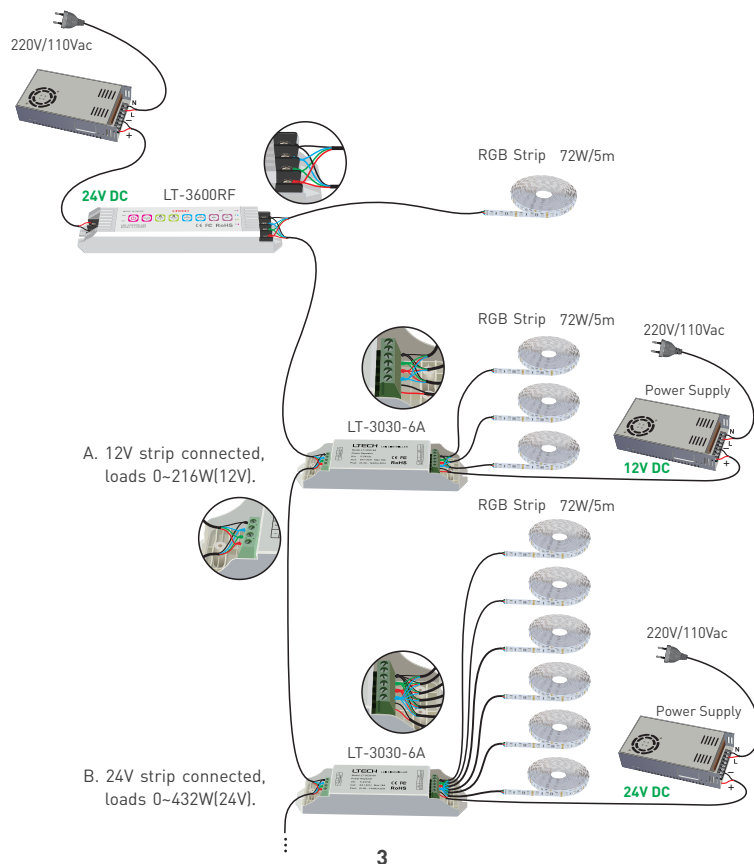| No.	Modes	No.	Modes	No.	Modes
1	Static Red	12	Red Fade out and Fade in	23	Red Yellow Color Smooth
2	Static Green	13	Green Fade out and Fade in	24	Green Cyan Color Smooth
3	Static Blue	14	Blue Fade out and Fade in	25	Blue purple Color Smooth
4	Static Yellow	15	Yellow Fade out and Fade in	26	Green Yellow 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	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.

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5. Wiring Diagram:

5.1 Connected to LED RGB strips:

220V/110Vac

12V DC

LT-3600RF

RGB Strip 72W/5m

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

220V/110Vac

24V DC LT-3600RF

RGB Strip 72W/5m

RGB Strip 72W/5m

220V/110Vac

Power Supply

12V DC

LT-3030-6A

A. 12V strip connected, loads 0~216W(12V).

RGB Strip 72W/5m

220V/110Vac

Power Supply

24V DC

LT-3030-6A

B. 24V strip connected, loads 0~432W(24V).

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.

LT-3600RF
LED RGB控制器

LT-3600RF是一款多功能的RGB LED控制器, 采用先进的PWM(脉宽调制) 控制技术, 内置32种变化模式, 变化效果细腻, 无闪烁; PC工程塑料外壳, 体积轻巧, 美观大方; 接收控制器自带8个轻触式按键, 可以选择开关、暂停、变化模式、变化速度、LED亮度等功能, 也可使用RF无线遥控器远程控制; 接收控制器带ID学习功能, 可适用于同型号不同编码地址的遥控器; 自动适应DC 12V-24V 电压输入, 控制器为四线三回路（共阳）输出, 广泛控制如：RGB全彩的LED模组、LED灯带、SMD软灯条等所有用电阻限流的LED灯具产品。

1. 技术参数:

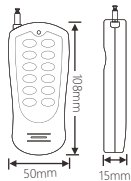### LT-3600RF

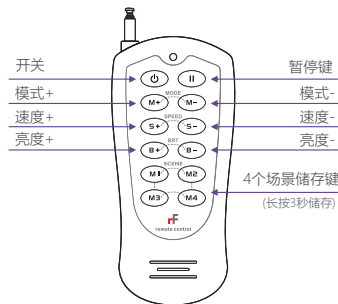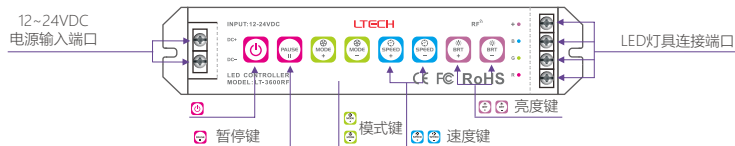|			
• 输入电压	DC12V ~ DC24V	• 射频远程输出功能	8mW
• 最大负载电流	6A x3路	• 工作温度	-30℃~55℃
• 最大负载功率	216W/432W(12V/24V)	• 产品尺寸	L211×W40×H30(mm)
• 遥控距离	100米	• 包装尺寸	L313×W50×H32(mm)
• 无线电频率范围	433.92MHz	• 重量(毛重)	240克

2. 产品尺寸:
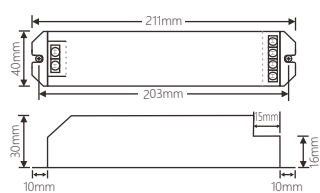
控制器　　　　　　　　　　RF遥控

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3. 使用说明:

接收控制器有8个轻触式功能设置键, 接收控制器8个按键对应遥控的前8个按键：

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

其他功能:

1、长按住暂停键 3 秒以上, 开启和关闭蜂鸣器。

2、长按 MODE+ 3秒以上, 控制器自动跳到所有效果循环模式。

3、按MODE-不放3秒时间, 接收控制器自动循环变化4个DIY模式。只播放动态模式, 静态模式会自动跳过。

4、长按SPEED+3秒以上, 所有模式变化速度恢复到出厂默认值。

5、长按SPEED-3秒以上, 当前模式变化速度恢复到出厂默认值。

遥控学习方法:

学习ID: 长按控制器ON/OFF开关键3秒不放, 蜂鸣器长响, 控制器绿色指示灯常亮, 此时松开按键, 再按遥控器上的任意按键, 当绿色指示灯熄灭, 学习ID成功。

删除ID: 长按接收控制器ON/OFF开关键5秒不放, 蜂鸣器长响, 控制器绿色指示灯亮起后闪烁一下, 此时按遥控器的任意按键, 绿色指示灯快闪几次, 删除ID成功（此过程中不可松开控制器的ON/OFF按键）。

4. 变化模式选择列表:

顺序	变化模式	顺序	变化模式	顺序	变化模式	顺序	变化模式
1	静态红色	9	七彩跳变	17	青色渐明渐暗	25	蓝紫渐变
2	静态绿色	10	白色频闪	18	白色渐明渐暗	26	绿黄渐变
3	静态蓝色	11	七彩频闪	19	RGB渐明渐暗	27	蓝青渐变
4	静态黄色	12	红色渐明渐暗	20	红绿渐变	28	红紫渐变
5	静态紫色	13	绿色渐明渐暗	21	红蓝渐变	29	蓝白渐变
6	静态青色	14	蓝色渐明渐暗	22	绿蓝渐变	30	黄紫青渐变
7	静态白色	15	黄色渐明渐暗	23	红黄渐变	31	RGB渐变
8	三色跳变	16	紫色渐明渐暗	24	绿青渐变	32	全彩渐变

静态模式亮度可调, 动态模式亮度速度可调

5. 接收控制器连线示意图:

5.1 连接LED RGB灯条:

AC220V/110V
LT-3600RF
RGB灯条　72W/5米
12V DC

5.2 连接功率扩展器　(例: 连接LED RGB灯条):

AC220V/110V
24V DC　LT-3600RF
RGB灯条　72W/5米

RGB灯条　72W/5米　AC220V/110V
LT-3030-6A
电源
12V DC

A. 连接12V灯条,可负载1~216W

LT-3030-6A
RGB灯条　72W/5米
AC220V/110V
电源
24V DC

B. 连接24V灯条,可负载1~432W
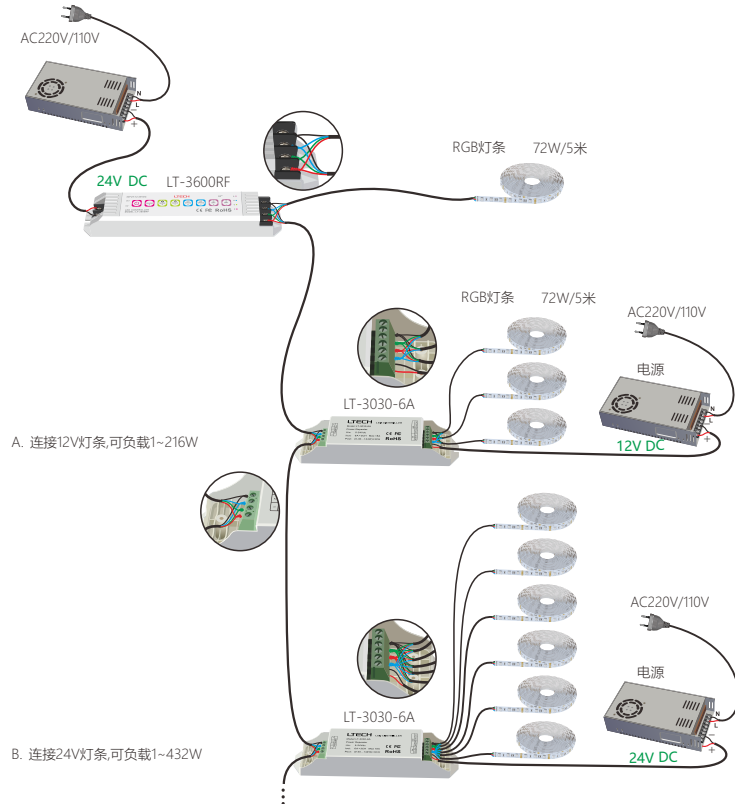
6. 注意事项:

1、本产品请由具有专业资格的人员进行调试安装。

2、本产品不能防水,需避免日晒雨淋,如安装在户外,请用防水箱。

3、良好的散热条件会延长LED控制器的使用寿命,请把产品安装在通风良好的环境。

4、请检查使用的LED电源输出电压是否符合产品电压范围要求。

5、使用的电线直径大小必须能够足够负载连接的LED灯具,并确保接线牢固。

6、通电调试前,应确保所有接线正确,以避免因接线错误而导致灯具损坏。

7、如果发生故障,请勿私自维修;如果有疑问,请联系供应商。

7. 保修协议:

1. 购买雷特LED控制器产品享受终身技术支持和保修服务:

  ● 免费保修: 自购买之日起五年内出现产品质量问题雷特将给予免费修理或更换服务。

  ● 有偿保修: 超过免费保修期的产品收取适当的维修材料成本费用。

2. 以下情况不在免费保修或更换服务范围之内:

  ● 过高电压、超负载、操作不当等人为造成的损坏;

  ● 产品外形严重损坏或变形;

  ● 自然灾害以及人力不可抗拒原因造成的损坏;

  ● 产品保修标签和产品唯一条形码损坏。

  ● 产品已经更新换代。

3. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任。

4. 只有雷特享有修正或调整本保修条款的权利,并以书面形式发布认定为准。

★ 本说明书仅适用于本型号产品,如有更新恕不另行通知。