

LTECH

T4 LED RGBW Controller



RGBW



2.4GHz



Touch



8 Zones



DIY



Sync/Zone



Scene x 3



Charging



Scene-mode



Sync/Zone 2 in 1

T4 LED RGBW Controller



T4



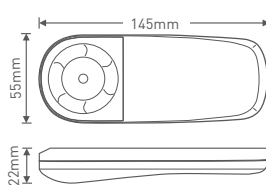
T4-CV



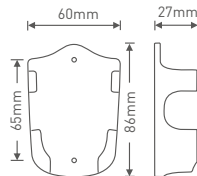
T4-CC

T4 is the 2.4GHz RF wireless sync/zone RGBW controller which adopts 4 global initiate technology. It has powerful function that general RF remote control can't realize, especially in wireless connection between receivers to realize sync dynamic change effect. It is very convenient in installation for users.

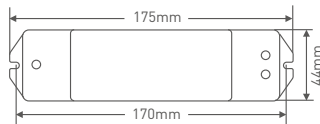
1. Product Size:



Remote



Remote Holder



Receiver

2. Technical Specs:

T4 Remote	T4-CV Receiver	T4-CC Receiver
Charging Voltage: 5Vdc(Built-in lithium battery)	Input Voltage: 5~24Vdc	Input Voltage: 12~48Vdc
Working Current: <30mA	Current Load: 5A×4CH Max 20A	Output Voltage: 3~46Vdc
Working Frequency: 2.4GHz	Output Power: Max 100W/240W/480W(5V/12V/24V)	Current Load: CC 350/700/1050mA×4CH
RF Remote Distance: 30m	Wireless Signal: 2.4GHz	Output Power: 1.05W~48.3W×4CH Max 193.2W
Remote Option: Sync/Zone/Programming Control	Working Temp.: -30℃~55℃	Wireless Signal: 2.4GHz
Battery Capacity: 1000mAh	Package Size: L178×W48×H33(mm)	Working Temp.: -30℃~55℃
Package Size: L168×W96×H34(mm)	Weight (G.W.): 150g	Package Size: L178×W48×H33(mm)
Weight (G.W.): 210g		Weight (G.W.): 165g

3. Notice for the Remote Charging:

- When charging, please connect USB cable to the mobile charger or computer.
- The blue indicator light flickers while charging, and turns green means the charging is completed. The remote can be chargeable even at off state, which the indicator light is dark.
- No memory effect in the lithium battery of remote. Follow the standard charging procedure even for the first 3 times, no need over charge.
- Red indicator light flickers meaning low battery and need to be charged. Charging in low battery will affect the life of battery.
- The remote should be full charged and stored at a ventilated and dry place when long time no use, and please full recharge every 3 months.

4. The Learning ID Method:

Learning ID:

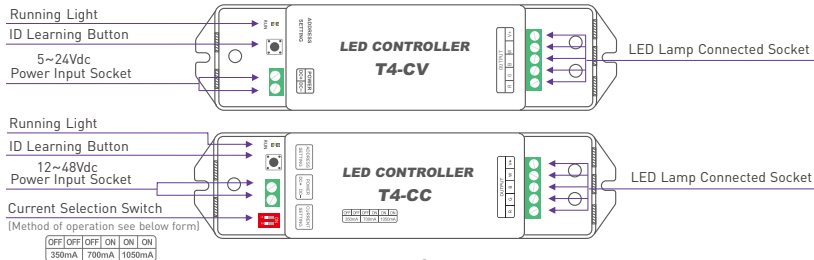
1. Turn on the receiver and remote.
2. Short press "ID learning button"  on the receiver, the running light keeps on, then long press "1-8" zone-selection keys on the remote, the running light returns to flash (the buzzer long beep, the green light  flashes 3 times), activated.

Cancelling ID:

Press "ID learning button"  on the receiver more than 8 seconds, the buzzer beep twice, delete all the learned remote.

* Sync Control: 1 remote to unlimited receivers. Zone Control: 1 remote to Max 8 receivers (1 receiver per zone).

5. Receiver Components Description:

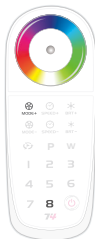


6. Remote Instructions:

Built-in two control programs, it is convenient for user's different habits and place, free switching the two programs.

Highlights

- Control Unlimited Receivers Synchronously.
- Programmable Function.
- 8 Save Keys.



Sync Control

Press the key  and **8** simultaneously more than 2S.



Highlights

- Zone Control Arbitrarily or Sync Control.
- Programmable Function.



Zone Control

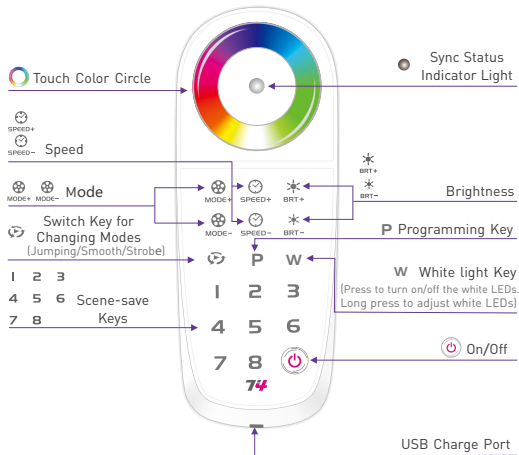
Press the key  and **8** simultaneously more than 2S.

*** Power Saving:** Unmanned operation more than 1 minute on the remote, the remote will off automatically to realize zero loss, extending operation life. Press "ON/OFF" to restart the remote.

Mode Keys   : Switch black/red/green/blue/yellow/purple/cyan/white/RGB/RBGYPGW.

Open the Buzzer: Long press  **Close the Buzzer:** Long press 

A. Sync Program:



The Usage of The Programming "P" :

- 1) Long press the key **P** in 2 seconds, the buzzer long beep, means enter the programming mode.
- 2) Color selection: Short press a key from "1-8" in order, then press "MODE" key or "touch color circle" to select the color. (color will be saved in this key automatically, max 8 colors)

Example 1:

1	2	3	4	5	6	7	8
Red	Green	Blue	Yellow	Purple	Cyan	White	Black

 { R G B Y P C W } 7 Colors' Jumping/Smooth/Strobe

Example 2:

1	2	3	4	5	6	7	8
Red	Blue	Black	Black	Black	Black	Black	Black

 { R B } 2 Colors' Jumping/Smooth/Strobe

Example 3:

1	2	3	4	5	6	7	8
Red	Black	Green	Black	Blue	Black	Black	Black

 { R BK G BK B } 5 Colors' Jumping/Smooth/Strobe

Example 4:

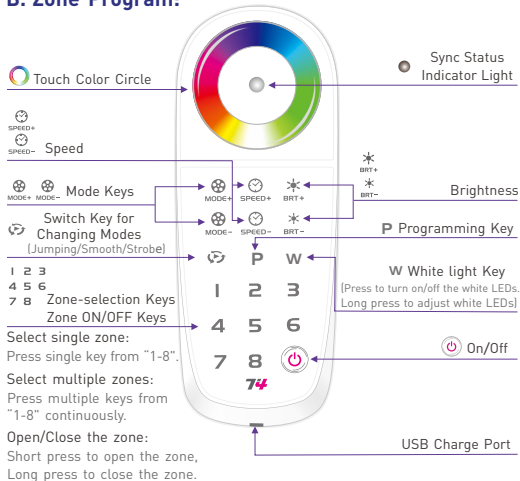
1	2	3	4	5	6	7	8
Black	Red	Black	Green	Black	Blue	Black	Black

 { R G B } 3 Colors' Fade out and Fade in
 { BK R BK G BK B } 6 Colors' Jumping/Strobe

Note: Select black color with keys  

- 3) Short press the key **P** to exit color selection.
- 4) Press  to switch the selected colors' Jumping, smooth and strobe (brightness/speed adjustment).
- 5) Long press any key from "1-8" to save the edited scene.

B. Zone Program:



The Usage of The Programming "P" :

- 1) Long press the key **P** in 2 seconds, the buzzer long beep, means enter the programming mode.
- 2) Color selection: Short press a key from "1-8" in order, then press "MODE" key or "touch color circle" to select the color. (color will be saved in this key automatically, max 8 colors)

Example 1:

1	2	3	4	5	6	7	8
Red	Green	Blue	Yellow	Purple	Cyan	White	Black

 {R G B Y P C W} 7 Colors' Jumping/Smooth/Strobe

Example 2:

1	2	3	4	5	6	7	8
Red	Blue	Black	Black	Black	Black	Black	Black

 {R B} 2 Colors' Jumping/Smooth/Strobe

Example 3:

1	2	3	4	5	6	7	8
Red	Black	Green	Black	Blue	Black	Black	Black

 {R BK G BK B} 5 Colors' Jumping/Smooth/Strobe

Example 4:

1	2	3	4	5	6	7	8
Black	Red	Black	Green	Black	Blue	Black	Black

 {R G B} 3 Colors' Fade out and Fade in
 {BK R BK G BK B} 6 Colors' Jumping/Strobe

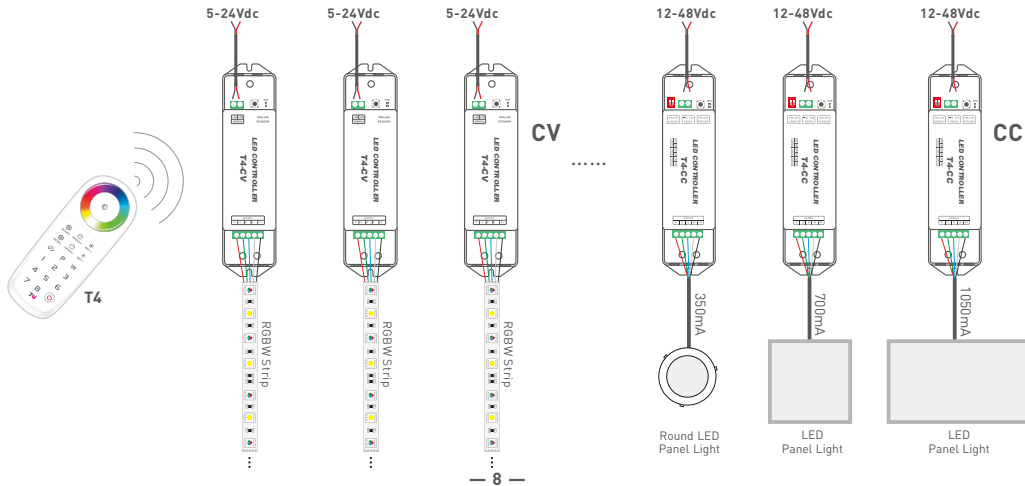
Note: Select black color with keys **MODE+** **MODE-**

- 3) Short press the key **P** to exit color selection.
- 4) Press **Switch Key for Changing Modes** to switch the selected colors' Jumping, smooth and strobe (brightness/speed adjustment).
- 5) OK, completed scene editing, press **P** to play the scene.

7. Tables of Changing Mode:

No.	Color Press   Button MODE- MODE+ to Switch color	Press  button to switch the 3 types		
		Jumping	Smooth	Strobe
1	Black			
2	Red	Static Red	Red fade out and fade in	Red strobe
3	Green	Static Green	Green fade out and fade in	Green strobe
4	Blue	Static Blue	Blue fade out and fade in	Blue strobe
5	Yellow	Static Yellow	Yellow fade out and fade in	Yellow strobe
6	Purple	Static Purple	Purple fade out and fade in	Purple strobe
7	Cyan	Static Cyan	Cyan fade out and fade in	Cyan strobe
8	White	Static White	White fade out and fade in	White strobe
9	Red, Green, Blue	RGB Jumping	RGB color smooth	RGB strobe
10	Red, Green, Blue, Yellow, Purple, Cyan, White	7 Colors Jumping	Full-color smooth	7 colors strobe

8. Wiring Diagram:



9. Other Special Functions:

A. Reset Function:

Feature: Reset function is available when remote operates abnormally.

Operation: Long press the 2 keys **8**  simultaneously, release after 3 seconds, the remote will auto off, undo for more than 1 minute, means reset completed. and then could restart the remote.

B. Check and Edit the Frequency Point on the Remote:

Feature: a. Revising the frequency point to eliminate the external disturbance. 12 revisable frequency points for user.

b. Multiple remotes sync-control becomes available when they use the same frequency point.

Attn: After reset or revised the frequency points in the remote, receivers only can be used after relearn the ID.

Check the Frequency Point on the Remote:

Turn on the remote, long press the "on/off" key  for 5 seconds until the red light  flashes 3 times, and then the green light  flashes, the numbers of the green flash will be the frequency point of the remote. you can only edit the frequency point after 3 seconds.

Edit the Frequency Point on the Remote: In frequency changing state,

Method 1: Short press any key from "1-8", the frequency point will be "1-8" correspondingly, the green light will flash in the same numbers. Then press any key or touch the color circle to exit the frequency edit state.

Method 2: Long press "on/off" key  over 5 seconds, the green light  flashes, the flash times plus 1 means the frequency point accumulate 1. In short, long press the "on/off" key  over 5 seconds each time, the frequency point will accumulate 1, which will again become value 1 when added to 12, and that cycle repeats.

10. Attention:

- A. The product shall be installed and serviced by the qualified person.
- B. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- C. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- D. Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- E. 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.
- F. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- G. If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

11. Warranty Agreement:

- A. 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 if cover manufacturing faults only.
 - For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.
- B. 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.
- C. Repair or replacement as provided under this warranty is the exclusive remedy to the customer. We shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
- D. Any amendment or adjustment to this warranty must be approved in writing by our company only.

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

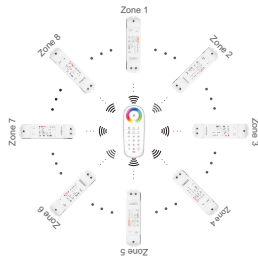
Applied Range

- Architectural ornament: business area, airport, subway station.
- Interior decoration: hotel, shopping mall, square, restaurant, pub, home furnishing, etc.
- Signboard, billboard.
- Anywhere else, where uses LED for dimming, color temperature and full color adjustment.



Parameters

- Charging voltage: DC5V (Built-in lithium battery)
- Working current: $\leq 30\text{mA}$
- Working frequency: 2.4GHz
- Remote distance: 30m
- With USB charging port



LTECH

T4 LED RGBW 控制器



RGBW



2.4GHz



触摸环



8分区



DIY



同步/分区



场景 x3



可充电



场景模式



RGBW



同步/分区 2 in 1

T4 LED RGBW 控制器



T4



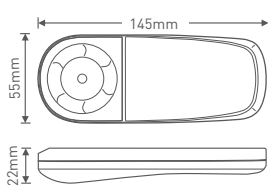
T4-CV



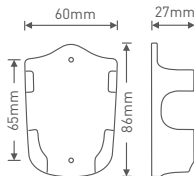
T4-CC

T4是集雷特四项全球首创技术的RF 2.4G无线同步/分区RGBW控制器，具有一般RF遥控无法实现的强大功能，特别是接收器之间无需拉线就能实现动态变化效果同步，给用户安装带来极大的便利。

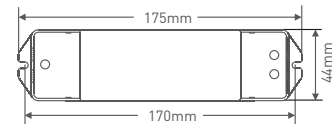
1. 产品尺寸:



遥控



遥控支架



接收器



2. 技术参数:

T4 遥控

充电电压: 5Vdc(内置锂电池)
工作电流: <30mA
发射频率: 2.4GHz
遥控距离: 30米
遥控方式: 同步/分区控制
电池容量: 1000mAh
产品尺寸: L145×W55×H22mm
包装尺寸: L168×W96×H34mm
重量 (毛重): 210克

T4-CV 接收器

输入电压: 5-24Vdc
最大负载电流: 5A×4CH Max 20A
最大负载功率:
100W/240W/480W(5V/12V/24V)
无线信号: 2.4GHz
工作温度: -30℃~55℃
包装尺寸: L178×W48×H33mm
重量 (毛重): 150克

T4-CC 接收器

输入电压: 12-48Vdc
输出电压: 3-46Vdc
负载电流: CC 350/700/1050mA×4CH
输出功率: 1.05W-48.3W × 4CH Max193.2W
无线信号: 2.4GHz
工作温度: -30℃~55℃
包装尺寸: L178×W48×H33mm
重量 (毛重): 165克

3. 遥控器充电方法:

- 3.1 请用USB连接线进行充电。
- 3.2. 在充电时蓝色指示灯闪烁, 指示灯亮绿色表示充电完成。遥控关机状态也可正常充电, 但指示灯不亮。
- 3.3. 遥控器内置锂电池无记忆效应, 即使前三次充电亦按照标准程序进行, 无需过充。
- 3.4. 指示灯提示(红色闪烁)电量低时就需充电, 过低电量充电会影响电池寿命。
- 3.5. 遥控器长时间不用的时候, 应充满电储存于干燥低温的地方, 并且3个月取出来充满电再存放!

4. ID学习方法:

学习ID :

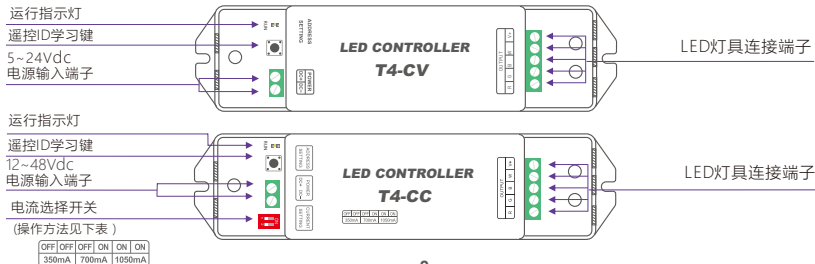
- 1、开启接收控制器和遥控器。
- 2、短按接收器学习键 ，运行灯变为常亮，再长按遥控器1-8分区键，运行灯恢复闪烁状态(同时蜂鸣器长响/遥控器绿灯  闪烁3次)，学习成功。

删除ID :

长按控制器的"遥控ID学习键"  超过8秒，蜂鸣器长响2次，删除之前学习的遥控器。

✱ 如只使用同步控制可学习无限台接收器, 分区控制时最多可学习8台接收器(每区一台)。

5. 接收器部件说明:



6. 遥控器使用说明:

T4内置两套控制方案程序，方便客户不同的使用习惯和场所要求，两套方案可以随时切换。

优点：

可以控制无限台接收器同步变化，
带编程功能，
方便储存调用8个DIY功能。



优点：

可以任意分区控制或同步控制，
带编程功能。

同步控制：同时按住  和 **8** 键2秒以上；

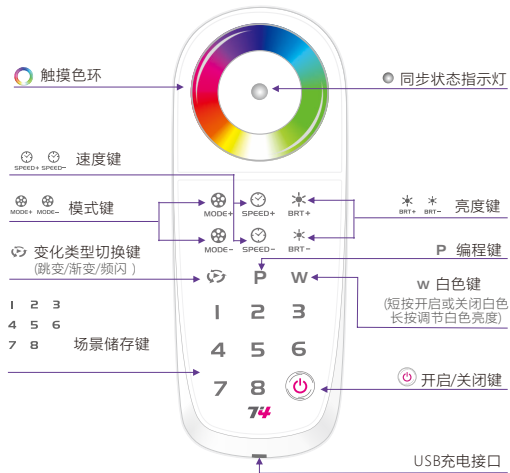
分区控制：同时按住  和 **8** 键2秒以上。

*** 节电功能：**当遥控器1分钟无人操作后，可自动关闭遥控，实现电量零损耗，大大延长电池使用时间，再次按开关键即可重新启动遥控。

模式键  ：可以切换黑、红、绿、蓝、黄、紫、青、白、红/绿/蓝、红/绿/蓝/黄/紫/青/白。

开启蜂鸣器：长按 ；**关闭蜂鸣器：**长按 。

A、同步方案



编程键P的使用：

1) 长按 P 键2秒，蜂鸣器长响，进入编程模式。

2) 选色：使用数字键1-8可储存8种颜色，按顺序短按数字键

1	2	3
4	5	6
7	8	

再按MODE键或色环选颜色。(颜色会自动保存在该键上)

例1: 红 绿 蓝 黄 紫 青 白 黑

红绿蓝黄紫青白, 7色 跳变/渐变/频闪

例2: 红 蓝 黑 黑 黑 黑 黑 黑

红蓝, 2色 跳变/渐变/频闪

例3: 红 黑 绿 黑 蓝 黑 黑 黑

红黑绿黑蓝, 5色 跳变/渐变/频闪

例4: 黑 红 黑 绿 黑 蓝 黑 黑

红绿蓝, 3色 渐明渐暗

黑红黑绿黑蓝, 六色跳变/频闪

注：黑色在 MODE+ MODE- 中选择。

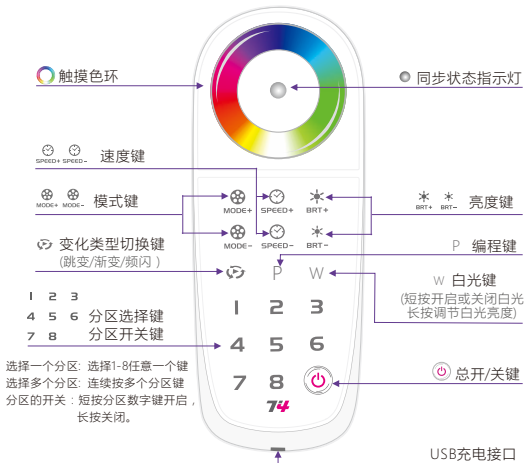
3) 短按 P 键，退出选色。

4) 按 变化类型切换键 为刚选定的颜色切换跳变/渐变/频闪的效果 (亮度和速度可调)。

5) 长按1~8键 中任意一个键存储编辑好的场景。

1	2	3
4	5	6
7	8	

B、分区方案



编程键P的使用:

- 1) 长按 **P** 键2秒, 蜂鸣器长响, 进入编程模式。
- 2) 选色: 使用数字键1-8可储存8种颜色, 按顺序短按数字键

1	2	3
4	5	6
7	8	

, 再按MODE键或色环选颜色。

(颜色会自动保存在该键上)

- 例1:

1	2	3	4	5	6	7	8
红	绿	蓝	黄	紫	青	白	黑

红绿蓝黄紫青白, 7色 跳变/渐变/频闪
- 例2:

1	2	3	4	5	6	7	8
红	蓝	黑	黑	黑	黑	黑	黑

红蓝, 2色 跳变/渐变/频闪
- 例3:

1	2	3	4	5	6	7	8
红	黑	绿	黑	蓝	黑	黑	黑

红黑绿黑蓝, 5色 跳变/渐变/频闪
- 例4:

1	2	3	4	5	6	7	8
黑	红	黑	绿	黑	蓝	黑	黑

红绿蓝, 3色 渐明渐暗 黑红黑绿黑蓝, 六色跳变/频闪

注: 黑色在

MODE+	MODE-
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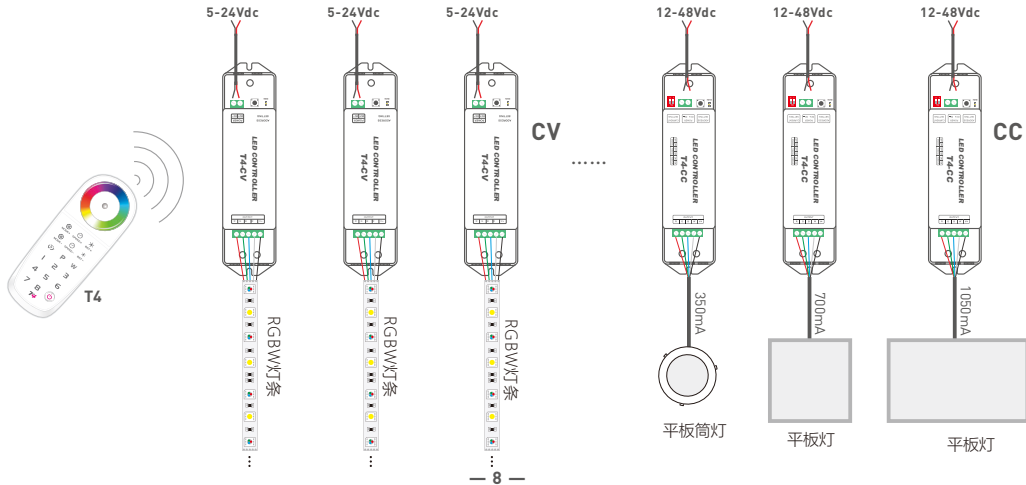
 中选择。

- 3) 短按 **P** 键, 退出选色。
- 4) 按 **变化类型切换键** 为刚选定的颜色切换 跳变/渐变/频闪的效果 (亮度和速度可调)。
- 5) OK, 场景编辑完成, 短按 **P** 键调出编程场景并演示。

7. 变化模式选择列表:

序号	颜 色 (按   键切换)	按  键切换3种类型		
		跳变	渐变	频闪
1	黑色			
2	红色	静态红色	红色渐明渐暗	红色频闪
3	绿色	静态绿色	绿色渐明渐暗	绿色频闪
4	蓝色	静态蓝色	蓝色渐明渐暗	蓝色频闪
5	黄色	静态黄色	黄色渐明渐暗	黄色频闪
6	紫色	静态紫色	紫色渐明渐暗	紫色频闪
7	青色	静态青色	青色渐明渐暗	青色频闪
8	白色	静态白色	白色渐明渐暗	白色频闪
9	红/绿/蓝	红绿蓝跳变	红绿蓝渐变	红绿蓝频闪
10	红/绿/蓝/黄/紫/青/白	七彩跳变	七彩渐变	七彩频闪

8. 接收控制器连线示意图：



9. 其他特殊功能：

9.1 复位功能:

作用：当遥控器出现异常状况时，可使用复位功能。

方法：同时长按 **8**  2个按键3秒后松开，遥控自动关闭，不操作等待1分钟以上，复位完成。此时可重新开机。

9.2 遥控器修改频段:

作用: 1、当外部有干扰影响工作时，可通过修改频段来消除干扰，用户可修改频段共12个。

2、可以将多个遥控修改为相同频段，实现多个遥控同时控制。

注：遥控器频段改变后，接收器需要重新学习ID方可使用。

查看频段方法：

遥控器开机状态下，长按遥控器开关键  5秒以上，红灯  闪烁3次，随后绿灯  闪烁，闪烁的次数即为当前的频段号值。在绿灯闪烁后3秒内为进入修改频段状态。

修改频段方法：在修改频段状态下

方法1，短按数字键1~8键，频段号立即变为对应的1~8，绿灯闪烁相应次数。再短按任意键或触摸滑轮，立即退出修改频段状态。

方法2: 长按开关键  5秒以上，绿灯  闪烁，且闪烁次数在原来基础上加1，表示频段号加1。如此每长按开关键5秒，频段号将累加1，加到12后重新变为1，如此循环往复。

10. 注意事项:

- 10.1 本产品请由具有专业资格的人员进行调试安装。
- 10.2 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。
- 10.3 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。
- 10.4 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。
- 10.5 使用的电线直径大小必须能足够负载连接的LED灯具，并确保接线牢固。
- 10.6 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。
- 10.7 如果发生故障，请勿私自维修；如有疑问，请联系供应商。

11. 保修协议:

11.1 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。

11.2 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。

11.3 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責任。

11.4 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。

应用领域:

- 建筑装饰: 商务办公区、机场、地铁站。
- 室内装饰: 酒店、购物中心、广场、餐厅、酒吧、家居等。
- 招牌、广告牌。
- 在其他需要使用LED进行调光、色温和全彩色控制的地方。



参数:

- 充电电压: DC5V(内置锂电池)
- 工作电流: ≤ 30 mA
- 工作频率: 2.4 GHz
- 遥控距离: 30米
- 配有USB充电端口

