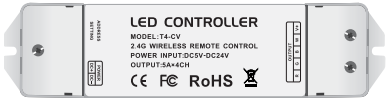
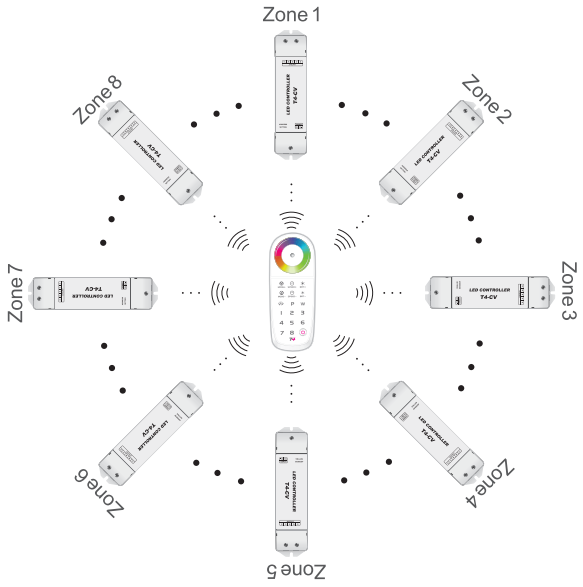
Color Wheel RGBW 8 Zone Controller and Receiver
SKU: LC-LT-RGBW-T4-KIT

LC-LT-RGBW-T4C



LC-LT-RGBW-T4R



FC CE RoHS COMPLIANT warranty 1 year ISO9001:2008

The Color Wheel RGBW 8 Zone Controller and Receiver Kit uses the latest 2.4GHz RF wireless sync/zone technology for advanced RGBW control over your color changing plus single color 5-24VDC Constant Voltage LED Lights. The powerful RF remote control has the ability to pair with the wireless receivers in either sync mode or up to 8 independent zones with unlimited receivers within the RF control radius. The 4 Channel wireless receivers can easily be installed and paired to the remote by following a few simple steps.

Performance Features:

1. Patent pending 2.4GHZ wireless transmission technology.
2. Advanced RF wireless sync control capabilities, sync multiple receivers with smooth, flicker free, uniform control.
3. A touch sensitive color wheel remote control allows the user to easily choose multiple static color choices.
4. Built in DIY function lets the user build custom color changing scenes and effects up to 8 steps.
5. 5-24VDC receivers have built in white and RGB LED chips to display the color state of the controller to the user.
6. Choose from both zone and sync control according to your projects demands.
7. After on minute of no use, the RF remote will shut down to mantain battery life.
8. Common USB to mini USB charging port with rechargable battery.

1. Technical Specs:

T4 Remote

- Input Voltage: DC5V Built-in Lithium Battery
- Working Current: <30mA
- Working Frequency: 2.4GHZ
- RF Remote Distance: 30m
- Remote Option: Sync/Zone Control
- Grey Scale Level: 1024 x 1024 x 1024
- Battery Capacity: 1000mAh
- Dimensions: L145×W55×H22(mm)
- Package Size: L168×W96×H34(mm)
- Weight (G.W.): 220g

T4-CV Receiver

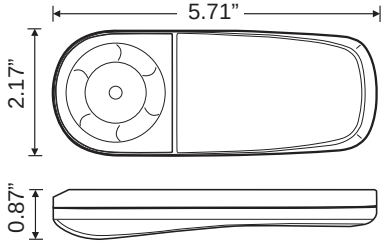
- Input Voltage: DC5V～DC24V
- Max Current Load: 5A × 4CH Max 20A
- Max Output Power: 100W/240W/480W(5V/12V/24V)
- Working Temperature: -30℃～55℃
- Package Size: L178×W48×H33(mm)
- Weight (G.W.): 110g

2. The Charging Methods for Remote Control:

1. When charging, please connect USB cable to the mobile charger or computer.
2. 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.
3. No memory effect in the lithium battery of remote. Follow the standard charging procedure even for the first three times, no need over charge.
4. Red indicator light flickers meaning low battery and need to be charged. charging in low battery will affect life of battery.
5. the remote should be full charged and stored under low cold drying while a long time without being operated. And please full recharge every 3 months.

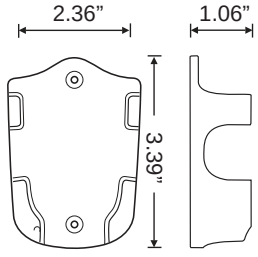
3. Product Size:

Remote



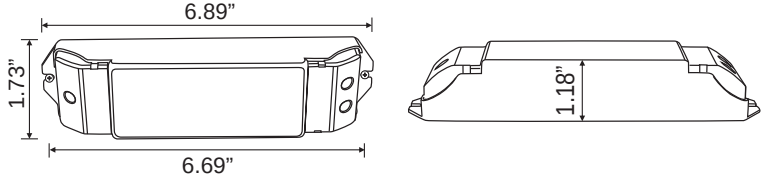
Remote

Remote-holder

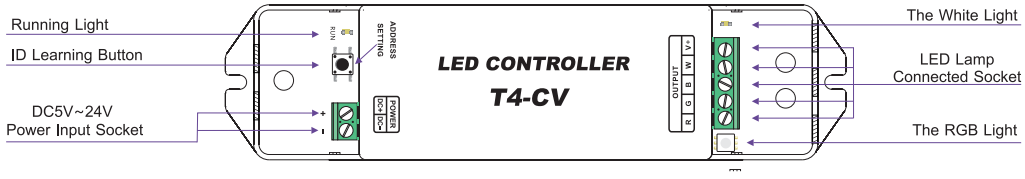


Remote Holder

Receiver



4. Receiver Components Description:



5. The Learning ID Method of Remote:

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 successful.

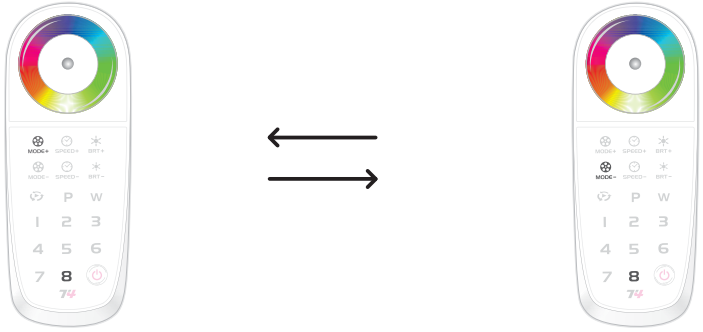
Cancelling ID:

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).

6. Remote Control Instructions:

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



Sync control : Press the key MODE+ and 8 over 2 seconds.

Highlights: control unlimited receivers synchronously; programmable function; 8 save keys.

Zone control : Press the key MODE- and 8 over 2 seconds.

Highlights: zone control arbitrarily; sync control; programmable function.

✻ **Power Saving**: unmanned operation more than 1 min on the remote, the remote will automatically shut down to realize zero loss, extending operation life. Press ON/OFF again, it will restart the remote.

Mode keys MODE+ MODE- : Switch black/red/green/blue/yellow/purple/cyan/white/RGB/RGBYPCW

Open the buzzer: long press MODE+ **Close the buzzer**: long press MODE-

A. Sync Program:

The Usage of The Programming "P" :

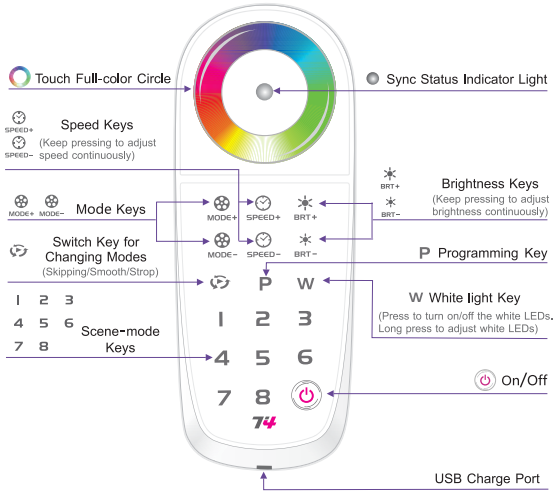
1) Long press the key P in 2 seconds, buzzer sounds, enter the programming mode.
2) Color selection : Saved 8 colors in NO. 1-8, press NO. 1 2 3 4 5 6 7 8 in order and press MODE or color circle again to select the color. (color will be saved in this key automatically).

Example1: 1 Red 2 Green 3 Blue 4 Yellow 5 Purple 6 Cyan 7 White 8 Black
R G B Y P C W 7 Colors' Skipping/Smooth/Strobe

Example2: 1 Red 2 Blue 3 Black 4 Black 5 Black 6 Black 7 Black 8 Black
R B 2 Colors' Skipping/Smooth/Strobe

Example3: 1 Red 2 Black 3 Green 4 Black 5 Blue 6 Black 7 Black 8 Black
R BK G BK B 5 Colors' Skipping/Smooth/Strobe

Example4: 1 Black 2 Red 3 Black 4 Green 5 Black 6 Blue 7 Black 8 Black
R G B 3 Colors' Fade out and fade in BK R BK G BK B 6 Colors' Skipping/Strobe



Note: Select Black color with keys MODE+ MODE-

3) Short press "P" key P to exit color selection.
4) press to switch the selected colors' skipping, smooth and strobe (Brightness/Speed adjustment).
5) Long press any key in 1-8 1 2 3 4 5 6 7 8 to save the edited scene.

B. Zone Program:

The Usage of The Programming "P" :

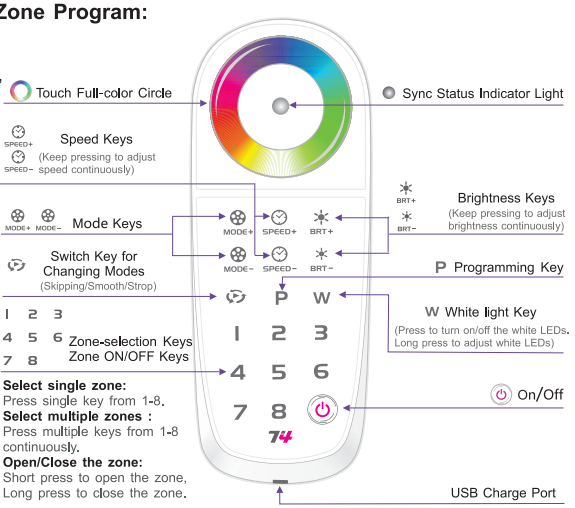
1) Long press the key P in 2 seconds, buzzer sounds, enter the programming mode.
2) Color selection : Saved 8 colors in NO. 1-8, press NO. 1 2 3 4 5 6 7 8 in order and press MODE or color circle again to select the color. (color will be saved in this key automatically).

Example1: 1 Red 2 Green 3 Blue 4 Yellow 5 Purple 6 Cyan 7 White 8 Black
R G B Y P C W 7 Colors' Skipping/Smooth/Strobe

Example2: 1 Red 2 Blue 3 Black 4 Black 5 Black 6 Black 7 Black 8 Black
R B 2 Colors' Skipping/Smooth/Strobe

Example3: 1 Red 2 Black 3 Green 4 Black 5 Blue 6 Black 7 Black 8 Black
R BK G BK B 5 Colors' Skipping/Smooth/Strobe

Example4: 1 Black 2 Red 3 Black 4 Green 5 Black 6 Blue 7 Black 8 Black
R G B 3 Colors' Fade out and fade in BK R BK G BK B 6 Colors' Skipping/Strobe



Select single zone:
Press single key from 1-8.
Select multiple zones :
Press multiple keys from 1-8 continuously.
Open/Close the zone:
Short press to open the zone, Long press to close the zone.

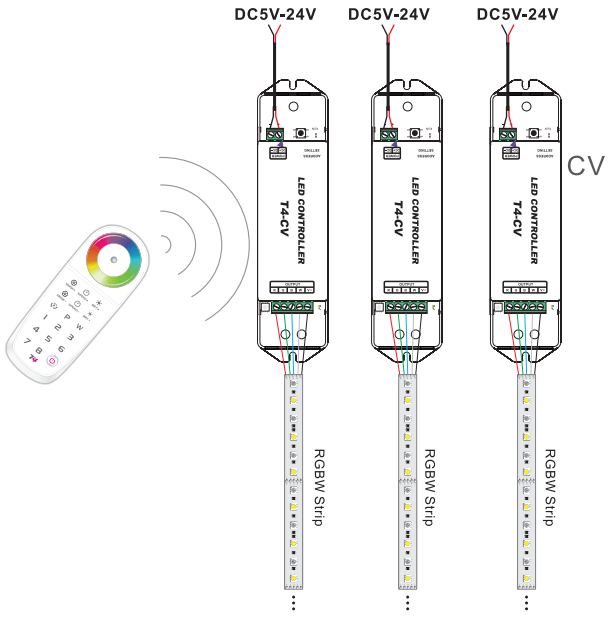
Note: Select Black color with keys MODE+ MODE-

3) Short press "P" key P to exit color selection.
4) Press to switch the selected colors' skipping, smooth and strobe (Brightness/Speed adjustment).
5) OK, completed scene editing, short press "P" to play the scene.

7. Tables of Changing Mode:

No.	Color (Press MODE+ MODE- Button to Switch)	Press button to switch the 3 types		
		Skipping	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	PurpleFade out andFade 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 Skipping	RGB Color Smooth	RGB Strobe
10	Red, Green, Blue, Yellow, Purple, Cyan, White	7 Colors Skipping	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 simultaneously, release the 2 keys after 3 seconds, the remote will auto off, undo for more than 1 min. 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. Press again 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 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:

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.
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.