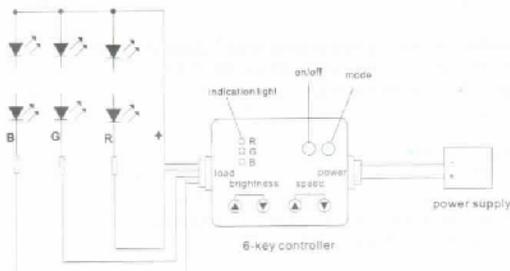


Panel controller mode choice change as follows:

Mode number	Function	Remark	Mode number	Function	Remark
1	Static yellow	Brightness is adjustable, Speed is unadjustable	11	Static blue-green	Brightness is adjustable, Speed is unadjustable
2	Static orange		12	Static light-green	
3	Static red		13	Static green	
4	Static deep red		14	Static yellow green	
5	Static pink		15	Static light yellow	
6	Static purple		16	Three color jumpy changing	
7	Static bluish violet	17	Three color gradual changing		
8	Static blue	18	Seven color jumpy changing		
9	Static powder blue	19	Seven color gradual changing		
10	Static azure				

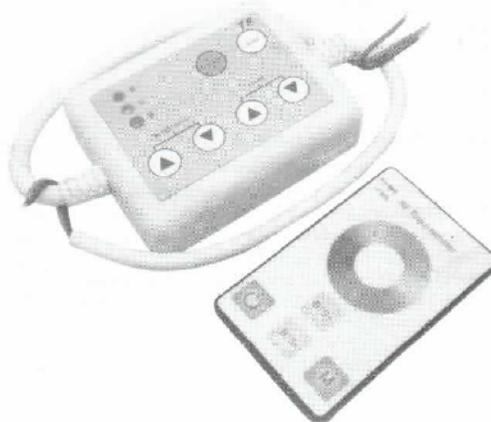
III. Connect Diagram



IV. Remarks

1. Connect the load wire at first, following by the power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power.
2. Power supply voltage range is DC12-24V, more than voltage range maybe will burnout the Controller;
3. Load connect must according to the connect diagram.
4. when not use it, do not put the remote on easy shake place, to extend the battery life;
5. Warranty of this product is one year, in this period we guarantee replacement or repairing with no charge, but exclude the artificial damage or overload working.

LC13 USER MANUAL



TRF CONTROLLER

I. Main parameter

Panel controller:

working temperature: -20-60°C
 supply vltage: DC12-24V
 external dimension: L89*W70*H28mm
 output: 3 channel
 output current: ≤4A (each channel)
 connection mode: common anod

Touch remote:

working voltage: 12 V
 emission current: 12mA
 working current: 300uA
 standby current: 3uA
 standby time: 6 months
 control distance: 20m
 color pulley point: 60

II. Controller instruction

Panel controller use instruction:

Controller panel have 6 buttons, and the function as follows:

ON/OFF: switch key, you can turnon/off Controller output at any time;

MODE: mode key, 19 kinds of mode to Choose, include 4 kinds of dynamic mode and 15 kinds of static mode;

Brightness+ (B+): add brightness key, instatic mode, brightness will add 1 when you press the button every time, can continuouspress, altogether 25 levels;

Brightness- (B-): minus brightness key, in static mode, brightnesswillminus 1when you press the button every time, can continuous Press, Altogether 25 levels;

Speed+ (S+): add speed key, in dynamic Mode, speed will add 1 when you press thebutton every time, can continuous press, altogether 100 levels;

Speed- (S-): minus speed key, in dynamic mode, speed will minus 1 when you press the button every time, can continuous press, Altogether 100 Levels;

Touch remote use instruction:

1. Touch remote have 64 touch key, each Keys function below:

Color pulley: Multicolor pulley touch key, Static mode choose key, more than 60 touch points. The button has two functions:

①Pulley static color choice key, so when the current control mode is

M key mode (color), if must realize pulley static color, can press this key.
 ②Pulley color switch key, can change from 60 kinds of static colors (as the pulley Shown).

Mode(M): this key have 2 functions:

①M is mode choose key, so when the current control mode is pulley mode (color), if you want to realize the mode (color) of M key, can press this button.

②M is mode switch key, so when the current control mode is "M" key mode, can press this button to switch the mode (color) which state in the M key mode table.

B/S+: the output signal brightness or speed control, every time you press this button, the brightness or speed series add 1, altogether 100 levels.

B/S-: the output signal brightness or speed control, every time you press this button, the brightness or speed series minus 1, altogether 100 levels;

2. **Power supply management:** stop to use the remote more than 20s, the remote will enter the standby state (untouchable state); slightly shake once, then the remote will come back to the normal working state (touchable state).

3. Indicator light instruction:

①The remote is idle or send signal when the PWR bright, PWR is off, then meansthe remote is in standby state;

②RF is bright, that means remote is sending signal, off means there is no signal sending.

Changes of M key on the touch remote as below:

Mode number	Function	Remark
1	Static red	brightness is adjustable, Speed is unadjustable
2	Static green	
3	Static blue	
4	Static yellow	
5	Static purple	
6	Static blue-green	
7	Static white	
8	Three color jumpy changing	Speed is adjustable, brightness is unadjustable
9	Three color gradual changing	
10	Seven color jumpy changing	
11	Seven color gradual changing	