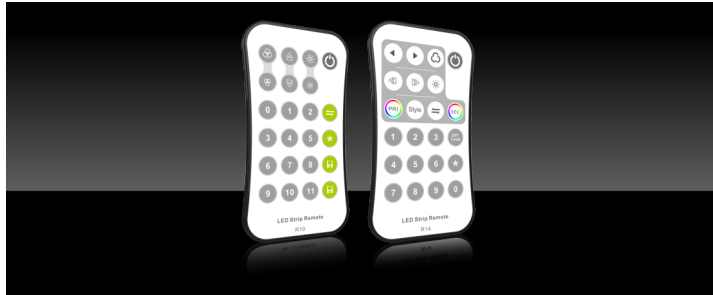


RF wireless Remote Controller

Classy Series (R10,R14)

CE ROHS



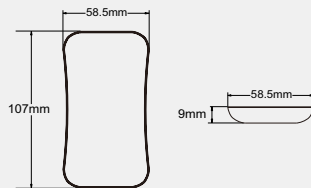
Summary

- Match with our SPI controllers or multi-pixel RGB DMX512 master.
- Simplified or enhanced version are available.
- Powerful mode edit function, can edit thousands of mode.
- Adopt 2.4GHz wireless technology, remote distance up to 30m.
- CR2032 button battery power supply.
- Operate with LED indicator light.
- Each remote can match one or more receiver.

Technical Parameters

- Output signal: RF(2.4GHz)
- Working voltage : 3VDC(CR2032)
- Working current: < 20mA
- Standby current: < 4μA
- Standby time: 12 months
- Remote distance: 30m
- Working temperature: -30°C~55°C
- Dimension: L107×W58.5×H9mm
- Weight: 34g

Dimension



Match method

For controller with match key

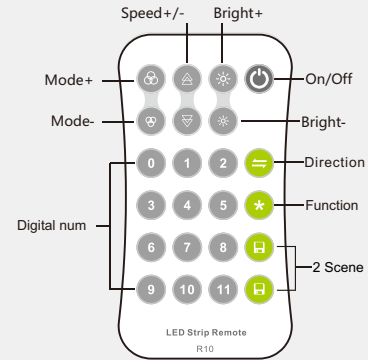
- Match: Short press match key, within 5s, press any key of the remoter.
- Delete: Long press match key for 5s, delete all matched remoters.

For panel controller

- Match: Turn on light, turn off, immediately press on/off key for 5s, within 5s, press zone key of the remoter.
- Delete: Turn on light, turn off, immediately press on/off key for 10s, delete all matched remoter.

Key Function

Model: R10



Note: Before the first use, please remove the insulating film on the battery.

On/Off: Turn on/off light.

Mode+/-: Short press switch mode build in SPI controller, long press mode+ 2s, run mode cycle, long press mode- 2s, run the first mode.

Speed +/-: Adjust speed, short press 10 levels, long press 2s the fastest/slowest speed.

Bright +/-: Adjust brightness, short press 10 levels, long press 1-5s continuous 256 level adjustment.

Direction: Short press switch 6 kinds direction, forward, backward, close, split, forward&backward, close&split in turn. long press 2s get the forward direction.

Digital num: Short press run 12 kinds mode directly.

| No. | Name | No. | Name |
|-----|-----------------------|-----|----------------------------|
| 0 | Red forward float | 6 | 3 color forward horse race |
| 1 | Green forward float | 7 | 3 color forward chase |
| 2 | Blue forward float | 8 | 3 color forward meteor |
| 3 | 6 color forward float | 9 | 6 color forward horse race |
| 4 | 6 color forward scan | 10 | 6 color forward chase |
| 5 | White forward meteor | 11 | 6 color forward meteor |

Note: 1. 3 color sequence: red, green, blue.

6 color sequence: red, yellow, green, cyan, blue, purple.

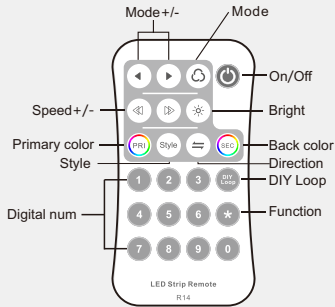
2. Each mode can adjust speed or direction, and be saved in num key.

3. Short press * key, then long press * key 2s, each num key will restore upper default mode.

Function: Add digital num, used for set IC type, RGB order, pixel length of the LED strip.

2 Scene: Short press run the scene, long press 2s save.

Model: R14



On/Off: Turn on/off light.

Mode+/-: Short press switch 45 kinds editable mode,

9 kinds colors in turn: red, yellow, green, cyan, blue, purple, white, 3 color, 6 color.

5 kinds styles in turn: horse race, scan, chase, meteor, float.

Long press mode+/- 2s, run the first mode (red forward horse race).

Mode: Short press switch mode build in SPI controller, long press 2s run mode cycle.

Speed+/-: Adjust speed, short press 10 levels, long press 2s the fastest/slowest speed.

Bright: Adjust brightness, short press 10 levels, long press 2s get 100% brightness.

If you press back color key firstly, press bright key will adjust background color brightness.

Primary color: Short press switch 9 kinds color, red, yellow, green, cyan, blue, purple, white, 3 color, 6 color in turn. 3 color is red, green, blue sequence.

6 color is red, yellow, green, cyan, blue, purple sequence.

long press 2s get the red color.

Style: Short press switch 5 kinds style, horse race, scan, chase, meteor, float in turn, long press 2s get the horse race style.

Direction: Short press switch 6 kinds direction, forward, backward, close, split, forward&backward, close&split in turn. long press 2s get the forward direction.

Back color: Short press switch 8 kinds background color, black, red, yellow, green, cyan, blue, purple, white in turn. long press 2s get the black background color.

Digital num: Short press run 10 kinds editable mode directly. long press 2s save.

| No. | Name | No. | Name |
|-----|------------------------|-----|----------------------------|
| 1 | Red forward float | 6 | 6 color forward meteor |
| 2 | Green forward float | 7 | 6 color forward scan |
| 3 | Blue forward float | 8 | 6 color forward horse race |
| 4 | White forward meteor | 9 | 6 color forward chase |
| 5 | 3 color forward meteor | 0 | 6 color forward float |

Note: 1. 3 color sequence: red, green, blue. 6 color sequence: red, yellow, green, cyan, blue, purple.

2. Each mode can adjust color, style, direction, background color or speed, and be saved in num key.

3. Short press * key, then long press * key 2s, each num key will restore upper default mode.

DIY loop: Short press run 10 num key mode cycle.

If press * key first, then press multiple any num key, no more than 10, press DIY Loop key lastly, it will run multiple num key mode cycle.

Function: Add digital num, used for set IC type, RGB order, pixel length of the LED strip.

SPI LED strip setting

- Set LED strip length [Pixel number(8~1024)]. * + 3 number + * for example:
 - *032*, set pixel number to 32.
 - *600*, set pixel number to 600.
 - *1024*, set pixel number to 1024.
- Set LED strip chip type. * + 2 number + *
 - *11* : TM1803
 - *12* : TM1809, TM1804, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811, WS2812
 - *13* : TM1829
 - *14* : TLS3001, TLS3002
 - *15* : GW6205
 - *16* : MB16120
 - *21* : LPD6803, LPD1101, D705, UCS6909, UCS6912
 - *22* : LPD8803, LPD8806
 - *23* : WS2801, WS2803
 - *24* : P9813
- Set LED strip RGB order. * + 1 number + *
 - *1* : RGB, *2* : RBG, *3* : GRB, *4* : GBR, *5* : BRG, *6* : BGR.

Malfunctions analysis & troubleshooting

| Malfunctions | Causes | Troubleshooting |
|------------------------------|--|---|
| No response from the remoter | <ol style="list-style-type: none"> 1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remoter. | <ol style="list-style-type: none"> 1. Replace battery. 2. Reduce remote distance. 3. re-match the remoter. |

Safety & Warnings

1. When installing battery, pay attention to the battery positive and negative polarity.
2. When remote distance becomes smaller and insensitive, replace the battery.
3. A long time without the remote control, remove the battery.
4. Gently handle remoter, beware of falling.
5. This product is suitable for cleaning, drying, and suitable temperature.

Warranty Agreement

1. 3-year warranty:
 - The warranty is for free repair or replacement and covers manufacturing faults only.
 - Do not include fees of on site maintenance and consumable parts.
2. Limited Warranty
 - Artificial damage caused by improper use, such as use inappropriate power supply, improper accessories, improper installation, did not follow the instructions, error using or negligence.
 - Any damages caused by force majeure, such as natural disaster, abnormal voltage.
 - The normal use of products caused by aging, wear and tear, but it does not affect the normal use.