

RVS

5 Button RF Remote Control



SPI

CE RoHS

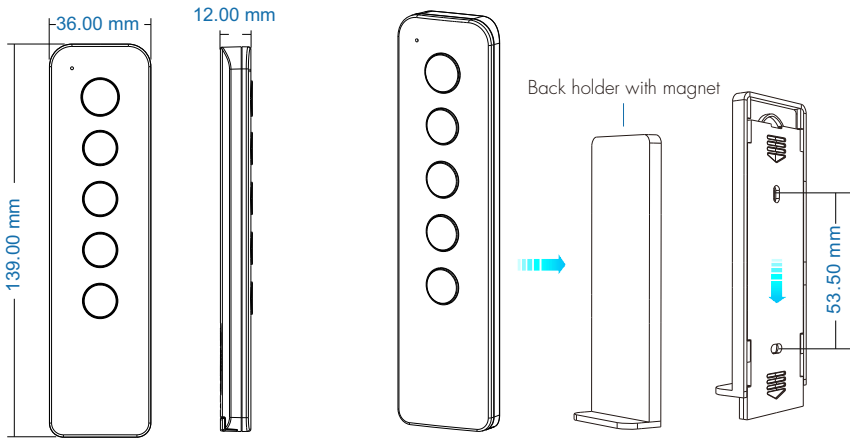
Features

- Specifically designed for RF remote control single-color, color temperature, RGB, RGBW or RGB CCT SPI LED controllers.
- Support setting the color, brightness, speed, change type, move direction and length of the light strip.
- Operate with LED indicator light.
- Magnet on the back which can be stuck on back holder or other metal surfaces.
- White/black available.

Technical Parameters

Input and Output		Environment		Safety and EMC	
Output signal	RF 2.4GHz	Operation temperature	Ta: -10°C ~ +55°C	Safety standard	EN 61347-1/-2
Working voltage	3VDC(CR2032)	IP rating	IP20	EMC standard	EN IEC 55015/ EN IEC 61547 ETSI EN 301 489-1/-3
Working current	<5mA	Package		Radio equipment	ETSI EN 300 400
Standby current	<2μA	Size	L156 x W48 x H22mm	Certication	CE RoHS
Standby time	1 year	Gross weight	0.077kg	Warranty	5 years
Remote distance	30m(Barrier-free space)				

Mechanical Structures and Installations

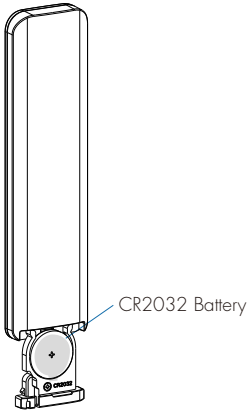


To fix the remote, three options are offered for selection:

Option 1: Can be adsorbed directly onto metal surfaces.

Option 2: Fix the remote' back holder on the wall with two screws.

Option 3: Adhere the remote' back holder to the wall with paster.



- Note:**
1. Before the first use, please remove the protective film on the battery.
 2. If the LED indicator is not on when press key, it is due to dead battery or bad contact caused by multiple plugging, please replace the battery, or raise the battery shrapnel with a screw driver.
 3. If the LED indicator flashes after the batteries have been inserted it is due to low battery power, please replace the battery promptly

Match Remote Control

User can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's match key

Match:
Short press match key of controller, immediately press on/off key of remote (single zone remote). The LED indicator fast flash a few times means match is successful.

Delete:
Long press match key corresponding to the controller to delete all matched remotes. The LED indicator fast Lash a few times means all matched remotes were deleted successfully. (Refer to your controller manual for the required duration of the long press to clear the remote control)

Use power restart

Match:
Switch off the power of the controller, then switch on power, repeat again. Immediately short press on/off key (single zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:
Switch off the power of the controller, then switch on power, repeat again. Immediately short press on/off key (single zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

Key Function



-  **Short press:** Turn on/off light.
Long press 1-6s: Adjust brightness, dimming range: 10%–100%.
-  +  Long press for 2s to switch to DIM mode, the indicator light will flash blue once;
Long press for 5s to switch to CCT mode, the indicator light will flash blue twice;
Long press for 8s to switch to RGB mode, the indicator light will flash blue three times;
Long press for 12s to switch to RGBV mode; the indicator light will flash blue four times;
Long press for 15s to switch to RGB+CCT mode, the indicator light will flash blue five times.

List of color key functions:

Light type	Function description
DIM	Short press: Switch the five brightness levels (10%, 25%, 50%, 75%, 100%).
CCT	Short press: Switch five color temperatures (WW - NW - CW) in sequence. Long press: Adjust the color temperature continuously.
RGB (Factory default)	Short press: Switch color light or mixed white light (current color + 50% saturation). Long press: In color light mode, adjust the color light continuously. In mixed white light mode, adjust the color saturation continuously. Double click: Switch multiple color combinations (e.g. RGB, 7 color, etc.).
RGBW	Short press: Switch color light (RGB), white light (W) and RGB+W modes. Long press: In RGB mode, adjust the color continuously. In W mode, adjust the white light brightness continuously. In RGB+W mode, adjust the white light brightness continuously. Double click: Switch multiple color combinations (e.g. RGB, 7 color, etc.).
RGB+CCT	Short press: Switch color light(RGB) and color temperature light(CCT) modes. Long press: In RGB mode, adjust the color continuously. In CCT mode, adjust the color temperature continuously. Double click: Switch multiple color combinations (e.g. RGB, 7 color, etc.)

-  +  Long press for 2s to switch to Standard Dynamic Mode (factory default), the indicator light will turn green and flash once.
Long press for 5s to switch to Custom Dynamic Mode; the indicator light will turn green and flash twice.
-  **Standard Dynamic Mode:**
Short press to switch among 40 dynamic effects. (Note: Requires our SPI controllers (WT-SPI, SC-L, etc.). Non-specified controllers may not support all effects.)
Long press 2s to switch to the first dynamic mode.

Custom Dynamic Mode:

Short press to switch the change types of the custom dynamic modes in sequence.
e.g. static, flow, chasing light, pile-up, floating, tail dragging, tail dragging + black segment, bouncing, shuttle, jump, fade, breath, flashing, chaotic flashing. (Note: Requires our SPI controllers (WT-SPI, SC-L, etc.). Non-specified controllers may not support all effects.)
Long press 2s to switch to the first dynamic mode.

-  **Short press:** Switch 10 level speeds.
Long press 2s: Switch to the 7th speed.
-  **Short press:** Switch the move directions (for example: forward, backward, round trip, closing, centering, opening and closing).
Long press 2s: Switch to the forward move direction.

Setting the number of the strip pixels:

Long press  and  key, the number of pixels decreases continuously.

Long press  and  key, the number of pixels increases continuously.

The current number of pixels is indicated by the sequential lighting and dimming of the LED modules on the LED strip (each module corresponds to a group of LEDs driven by a single IC).

Calculating the number of the strip pixels:

For example, for a 5 metre light strip with 60 pixels per meter, you can set the pixel length to 300.

If the pixel length you set is less than the actual number of pixels on the light strip, the latter part of the strip will not be controllable.

If the interval between cycles in dynamic mode is too long, the pixel length setting may be too large; please reset it to the correct value.

Dynamic Mode List

No.	Name	No.	Name	No.	Name
P01	Red horse race white ground, forward	P16	Blue meteor, backward	P31	7 color jump sectionally, forward
P02	Green horse race white ground, forward	P17	Purple meteor, backward	P32	7 color strobe sectionally, forward
P03	Blue horse race white ground, forward	P18	White meteor, backward	P33	White horse race (RGB jump)
P04	Yellow horse race blue ground, forward	P19	7 color meteor, backward	P34	White smooth horse race (RGB smooth)
P05	Cyan horse race blue ground, forward	P20	Red float, forward	P35	White starlight (RGB random jump)
P06	Purple horse race blue ground, forward	P21	Green float, forward	P36	White smooth starlight (RGB random smooth)
P07	7 color multi horse race, forward	P22	Blue float, forward	P37	White flow, forward
P08	7 color horse race close + open	P23	Purple float, forward	P38	White flow, forward on + backward off
P09	7 color multi horse race close + open	P24	RGBV float, forward	P39	White flow, forward on + backward on
P10	7 color scan close + open	P25	Red Yellow float, forward	P40	White float
P11	7 color multi-scan close + open	P26	Green Cyan float, forward		
P12	Blue White chase, forward	P27	Blue Purple float, forward		
P13	Green Cyan chase, forward	P28	Blue White float, forward		
P14	RGB chase, forward	P29	6 color float, forward		
P15	7 color chase, forward	P30	6 color smooth sectionally, forward		

Note:

P33-P40 dynamic modes are applicable to SPI type white light strip.

P33-P36 dynamic modes, if the color SPI strip is connected, the corresponding color effect will appear.

Safety Information

1. Read all instructions carefully before you begin this installation.
2. A long time without the remote control, remove the battery.
When remote distance becomes smaller and insensitive, replace the battery.
3. If no response from the receiver, please re-match the remote.
4. Gently handle remote, beware of falling.
5. For indoor and dry location use only.
6. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.
Do NOT dispose of batteries in household trash or incinerate.
7. Even used batteries may cause severe injury or death.
8. Call a local poison control center for treatment information.
9. Compatible battery type is CR2032 and the nominal battery voltage is 3V.
10. Non-rechargeable batteries are not to be recharged.
11. Do not force discharge, recharge, disassemble, heat above 55 °C or incinerate.
Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
12. Ensure the batteries are installed correctly according to polarity (+ and -).
13. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
14. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
15. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.