

RF590B operating manual

1、Interface



2、Function



一, Light switch

Short press switch light;

- ① short press or long press this button, only one operation
- ② turn off the light: in the light state, press the light switch, the function is to turn off the light
- ③ turn on the light: in the off state, press the light switch, the function is to turn on the light, the light intensity and color temperature are the last light intensity and color temperature

二、Color temperature/matching key



- 1, within 10 seconds of power-on, press 3 seconds for code-matching.

For the matched remote control, long press for switch color temperature fan code-matching: within 10 seconds of power-on of the receiver, press 3 seconds for code-matching, there will be a beeping sound after successful code-matching, flash the light twice at the same time. This feature can not be undone/turned off. If power on after 10 seconds, long press this key, the operation is invalid. After the code failed to wait 20 seconds to re-energize match

2, color temperature adjustment

short press color temperature key, adjust the color temperature of lights, color temperature is divided into 5 Gear 2700K/3000K/3500K/4000K/5000K, each press, switch a gear, in turn cycle. In the switching process, the lights will appear short-term light off or flicker;

1. color temperature adjustment must be carried out in the on state, off state press color temperature key, light does not light and do not respond.
2. use the color temperature key to adjust the color temperature, keep the lamp brightness settings.
3. with memory function. Does not affect brightness, can adjust color temperature only



三, the fan switch key,

short press the switch fan

- 1、short press this key, if in the fan running state, the fan will stop running
- 2、short press this key, if in the fan off state, the fan will start running, the gear is the last gear to run. Silicone indicator shows the current wind speed gear. This key does not affect the light
- 3、if the fan is running and in a timed state, short-press this key to turn off

- the fan and cancel the timing (but without any sound)
- 4、 in natural wind mode, press the fan switch to turn off the fan, then press the fan switch to turn on the fan. The gear is the wind speed of the last operation. When the fan is running, the power will be cut off.
 - 5、 When the power is turned on again, the fan will be turned off by default, you need to press the fan switch twice to start (the first command sent by the handle is off, the second command sent is on)



四, natural wind mode

short press natural wind: 1-3-1 slow non-stop cycle

1 in natural wind mode, short press natural wind key, then turn off natural wind mode, the fan continues to operate, the gear is the wind speed gear of the last run (before entering the natural wind state) , and the LED indicator shows the current wind speed gear.

2、 If the fan is not in the natural wind mode and the fan is in the running state, press the natural wind key, then open the natural wind mode. (turn on the fan before entering the natural wind)

3、 In the natural wind mode, press the fan switch, then cancel the natural wind mode, the fan is closed.

4、 In the natural wind, press the wind speed key, then cancel the natural wind mode, change the gear to the corresponding wind speed gear, LED indicator shows the current wind speed gear.

5、 Natural wind without memory, power cut and then re-power/turn off the fan with the remote control, natural wind function will automatically cancel. Then start the fan, the fan will restore the natural wind before the shift, silicone indicator shows the current wind speed shift.

6、Natural wind mode is from low (1 gear) to high (3 gear) slowly , then from high (3 gear) to low (1 gear) slowly. speed is gradually increase and decrease. This time is determined by the weight of the fan and motor function.

7、Natural wind cycle for 30 seconds (1-3 gear/3-1gear) : 10 seconds for one gear-10 seconds for two gear-10 seconds for three gear; this is a cycle.

8、When you turn on natural wind mode, the LED goes to 1-2-3-1-2-3... to light up, according to this cycle (the duration of the LED light up time, 6s)

9、In natural wind mode, power off, re-power, the fan default is off, pressing the natural wind key will start the fan (the command sent by the handle is to return to the gear before entering the natural wind)

五、 Winter-summer mode

short press the winter-summer mode button: switch to winter-summer mode

- 1、when changing winter-summer mode, after 2 seconds of static fan (time depends on the situation of different motor, the middle pause time as short as possible) , change the direction of rotation fan.
- 2、only in the fan operation, you can change the winter and summer mode.
- 3、If it is in summer mode, switch to winter mode. If it is in winter mode, switch to summer mode. Don' t affect the fan gear.
- 4、Don' t cancel/turn off the function
- 5、winter mode: fan clockwise rotation (wind up) , summer mode: fan counter-clockwise rotation (wind down)
- 6、switch to summer mode, the LED indicator flashes in 6-5-4-3-2-1 mode for 6s;
- 7、when switching to winter mode, the LED indicator flashes in 1-2-3-4-5-6 mode for 6s;

1H 2H

六、 4H 8H timing

can set 1,2,4,8 hours, timing by short press, 2H means 2 hours, 4H means 4 hours... . Timing can only be cancelled by turning off the fan

④ 定时成功或结束时, 不可有任何哔哔声或者提示音

- 1、 during timing, if you press the timer again, the refresh timer will be changed to the timer you pressed, without adding up (for example, if the timer is set for one hour, press four hours to set the timer for four hours, starting from the moment you press the timer) .
- 2、 The timing function only works on fans, but not on lamps .
- 3、 Timing process, if the fan is turned off, then cancelling the timing . (fan gear, open natural wind, switch positive and negative rotation on the timing of no effect)
- 4、 In protection state (alarm state) , the timing of the receiver canceled and invalid .
- 5、 Pressing the fan off button, the fan stops turning and cancels the timing, but no sound
- 6、 Entering the timing state, after the time is up, the fan stops turning. No beeping or beeping is allowed when the timer succeeds or ends



七, Wind Speed

- 1、 This key must be valid when the fan is running, when the fan is closed, press any wind speed key, the fan does not respond.
- 2、 When the fan is running: Press the wind speed button” ▲”, to increase wind speed gear by 1, silicone indicator shows the current wind speed gear. Press the wind speed button ▼, to reduce wind speed by 1. The silicone indicator shows the current wind speed.
- 3、 The wind speed key can control the wind speed range is: 1 -6.
 - 1)short or long press this button, only one operation is performed.
 - 2)press the wind speed button”▲”, to increase wind speed gear by 1, LED indicator shows the current wind speed gear.
 - 3)press the wind speed button “▼ “ to decrease the wind speed by 1. The LED indicator shows the current wind speed.
 - 4)In the natural wind condition, press the wind speed key, turn off the natural wind mode, then change the gear to the last running fan gear, add or reduce the gear, LED indicator shows the right gear.



八, dimmer key

- 1、 Press the dimming key ▲ for a long time to perform an endless dimming. Slowly increase brightness until it reaches maximum brightness (4 seconds from minimum to maximum)
- 2、 Short-press this dimmer button ▲ to adjust the light step by step. Increase brightness to maximum brightness by gear, 8 gears in total.
- 3、 Dimmer key can control the lamp brightness range is: 1 -8.
- 4、 Press the dimming button ▼ long for an endless dimming. Can slowly reduce the brightness to a minimum brightness
- 5、 Short press this dimming key ▼ to step dimming. Reduce brightness to maximum brightness by gear, 8 gears in total.
- 6、 Dimmer key can control the lamp brightness range is: 1 -8.

1)、 this key must be in the light to be effective, off-light state press any dimming key, the light does not light also does not respond.

2)、 press the dimming key “▲” : increase lamp brightness shift by 1.

3)、 press the dimming button “▼” : reduce the lamp brightness shift by 1.

4)、 dimming key can control the lamp brightness range is: 1-8.

5)、 the minimum brightness of the lamp is 15%



九, anti-theft key

light up every two hours for five minutes

- 1、 short press or long press this button, are only to perform one operation.
- 2、 when the light is turned on, press this button to turn on the anti-theft function: turn on the light every two hours for five minutes. From the press of this button to start timing five minutes, time to turn off the lights, then start timing two hours, time to turn on the lights, start timing five minutes, time to turn off the lights, ... Cycle until the light switch or dimmer button is pressed.

- 3、 Press this button in the case of turning off the light, turn on the light, and then turn on the anti-theft function.
- 4、 anti-theft mode color temperature and brightness, and enter the mode before the same.
- 5、 in the anti-theft mode press the switch/Dimming Key, exit anti-theft mode.
- 6、 Fan Switch Key, wind speed keys, timing, natural wind, switching positive and reverse, will not affect the anti-theft mode.

Awaken function

- 1、 The LED indicator will only light up when the fan switch or the wind speed shift button is operated. Pressing any other button will not light up the screen.
- 2、 The LED indicator is blue, wind speed one gear corresponds to the top of the light.
- 3、 The LED indicator will be turned off after 6 seconds. If there are other operations within 6 seconds, the display will be switched to a new operation.

Power-off memory

- 1、 All lamp settings should have a memory function:
 - A. When using the switch light key to turn on the light, remember to set the color temperature and brightness before turning off the light.
 - B. After power-off, if the light is on before power-off, automatically turn on the light after power-on and remember the color temperature and brightness before power-off setting
 - c. After power-off, if the lights are off before power-off, after power-on, you have to keep the lights off state
2. Fan only handle switch fan key with memory function, power off after the default power off:
 - A. When starting the fan through the switch key, keep the speed gear and steering
 - B. When the power is switched off, the fan will be turned off by default, whether or not the fan is running before the power is cut off, turn on the fan, the fan will keep the running direction before the power is cut off.
3. Natural Wind Mode without memory mode:

When the power is turned on or the fan is turned off with the remote control, the natural wind mode will be automatically canceled and the fan will shift back to the speed before entering the natural wind mode.
4. Timing without memory function.

Factory settings for the transmitter (first user installation only)

1. Power on , the light is on (brightness has three gears, color temperature is 4000K)
2. Power on, fan does not start, the first start for positive rotation (summer mode) , wind speed is third gear.

3、 Warning

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may

cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.