

## USER MANUAL

### RF Controller for single colour LED lighting – SCRFC25

#### Technical details:

- Working temperature:  $-20 \div +60^{\circ}\text{C}$
- Working Voltage: DC 12V  $\div$  24V
- Dimensions: 127/41/32 mm
- Output current: max. 25 A
- Max. output power: 300W (12VDC), 600W (24V DC)
- Frequency: 433.92 MHz
- Remote distance: Up to 20 m
- Static power consumption: <1W



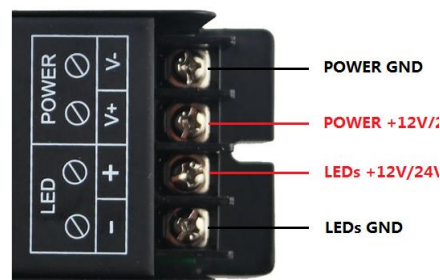
#### Product Feature

- Designed for single color constant voltage LED lights,
- Working voltage DC12-24V.
- High watt output design, up to 1\*25A/ 300W.
- Memory function, each time power-on reserve the mode which stop in the last power-down.
- Easy connection to achieve multiple dimmers sync-work by RJ45 terminal.
- Adopts RF 14keys remote control with fashion appearance, no need line-of-sight. Control range up to 20 meters.
- Long-press the brightness and speed key can get the fast adjustment, convenient for operation.

#### Interface Specifications



Port for sync-work signal



#### Direction for use

- Connect the load wire at first, followed by the power wire; Please ensure short circuit can not occur between wires before turning on the power ;
- Adopts RF remote technology, 14 buttons in total.

Name	Description
Set button	For setting the night light and matching code with receiver. Under night light mode, press “Set button” and hold on for 10 seconds will go into the night light setting. Press the set button again to save the setting and quit out.
ON	Turn on
OFF	Turn off
Brightness +	The brightness will add 1 level after each time press. Long-press can get fast adjusting.
Brightness -	The brightness will reduce 1 level after each time press. Long-press can get fast adjusting.
Hot brightness key +	4 levels brightness (10%、30%、70%、100%) hot selection key, lights will go to next one after each pressing.
Hot brightness key -	4 levels brightness (10%、30%、70%、100%) hot selection key, lights will go to last one after each pressing.
Mode key	3 modes in total: 100% static, flash, breathe
Night light	Press the button go to night light mode (night light <b>Setting</b> : Under night light mode, press “Set button” and hold on for 10 seconds will go into the night light setting, press the left button to down the brightness, press the right button to up the brightness. Adjustable range: 1%-10%.)
Speed +	Add the speed of dynamic mode. Long-press can get fast adjusting.
Speed -	Reduce the speed of dynamic mode. Long-press can get fast adjusting.
Delay button	The light will be delay off in 30 seconds.

**Tips:** Receiver can be controlled by any one the same remote as factory default; remote control delivered with unique RF code as factory default; if unique-control is needed, please matching the code before installation and using.

### Matching code operation

If unique-control or new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

**Step 1:** Pressing key “set” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

**Step 2:** Continuously to press the key “**Mode key**” for 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% -back to preset level.

Code learning successfully, the LEDs will be back to the status before the power off, and the receiver only can be control by the remote.

If not, please re-operate from step 1 to 2.

Only the latest paired 4 remote controllers can be recognized.

### Clear code operation

Back to factory default, wall-panel can be controlled by any one the same remote control.

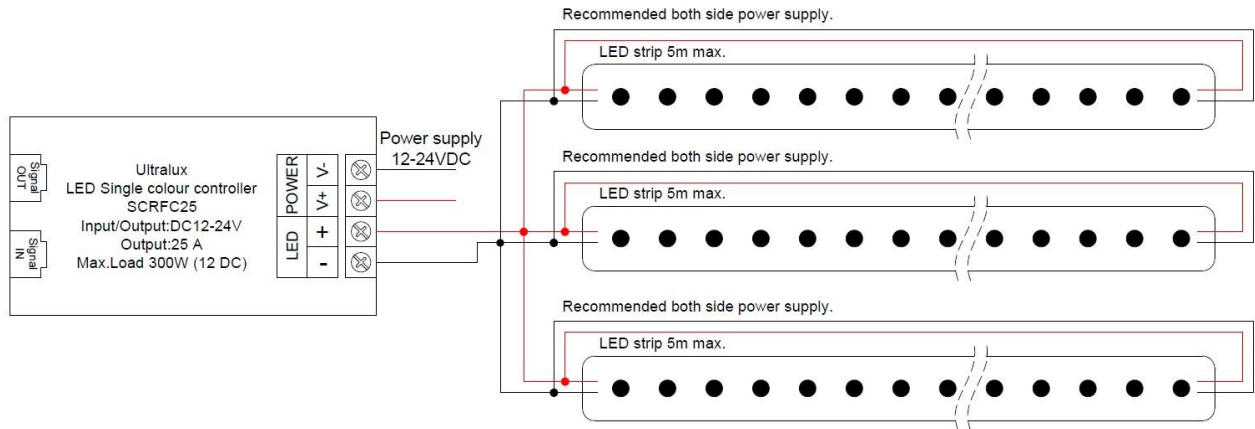
**Step 1:** Pressing key “set” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

**Step 2:** Continuously to press “**Delay button**” 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% as responding.

Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any remote control (any one the same remote control can be used to clear the code).

If not, please re-operate from step 1 to 2.

### Typical connection diagram



Note:  
 The installed power of the LED strips must be in accordance with the controller.

### Connection diagram of three controllers with realized synchronization (master-slave mode)

