

## SP103E Mini-RF controller operating instructions



### 1. Features:

1. RF Remote control, long distance, mini size, wire connection is simple and very easy to use;
2. Support almost every kind of one-wire or two-wire LED-DRIVER-IC ;(Can be customized)
3. With 300 kinds of patterns, which are vivid and beautiful;
4. Each controller can control up to 2048 pixels;
5. With user setting saving functionality;
6. Brightness adjustable.
7. Preventing reverse connection of power supply.

### 2. Remote Controller

#### 1. Functions Of Each Button:

ON/OFF	AUTO	SPEED UP	SPEED DOWN	MODE UP	MODE DOWN	BRIGHTNESS UP	BRIGHTNESS DOWN	MATCH	SETTING	RED	GREEN	BLUE	WHITE

#### 2. Usages:

Testing	Continuously pressing the <b>AUTO</b> button 5 times until LED is out, release the <b>AUTO</b> button to into the mode of switch in red, green, blue, yellow, purple, cyan and white, witch to test the your LED.
Matching	Continuously pressing the <b>MATCH</b> button 5 times until LED flash in white quickly to match the Remote control with the receiving controller. Pressing the <b>MATCH</b> button for 5 times till LED flash in white slowly to un-match;
Reorder RGB	Differ from kinds of LED, The <b>R G B</b> keys may don't perfectly match to your LED, Reorder them if needed. Continuously pressing the <b>SETTING</b> button 5 times until LED flash in white once and then turn into all white, Pressing the <b>R</b> button until LED is red, Pressing the <b>G</b> button until LED is green, pressing the <b>B</b> button till LED is blue, then press the <b>SETTING</b> button once to confirm your setting;
Adjust Num of pixels	The factory default setting of the number of controlled pixel is 600. Continuously pressing the <b>SETTING</b> button 5 times until LED flash once and turn all white, pressing <b>MODE+</b> to add pixels ,pressing <b>MODE-</b> to decrease pixels,(each pressing add or decrease 60 pixels) then press the <b>SETTING</b> button to confirm your setting; Can be regulated to up to 2048 pixels, The minimum number is 300 pixels.
Catching	When in the AUTO mode, pressing the <b>SETTING</b> button once, and then press <b>MATCH</b> button once to catch the Current pattern to stay and operate circularly.

### 3. Receiving Controller:

- Can be customized to support almost every kind of one-wire or two-wire LED-DRIVER-IC;
- The receiver controller has two kinds of working voltage :5V-supply-voltage or 12V-supply-voltage;
- **Cautions: Please make sure the power supply voltage is match to your controller before you power it.**