

## Mini-RF controller operating instructions

FCC ID: 2AVBD-SP104R

### 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 LED-DRIVER-IC ;
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	YELLOW	CYAN	PURPLE

#### 2. Usages:

Testing	Continuously pressing the <b>AUTO</b> button 5 times until LED is off, release the <b>AUTO</b> button to into the mode of switch in red, green, blue, yellow, purple, cyan and white, witch can 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:

- The receiver controller working voltage :5V—24V-supply-voltage;
- **Cautions: Please make sure the power supply voltage is match to your controller before you power it.**

### 4. FCC STATEMENT

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital, pursuant to Part 15 or 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 casue harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the 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.