SP101E Wireless controller operating instructions

1. Features:

1. RF Remote control, with long distance,wire connection is simple and very easy to use
2. Support almost every kind of one-wire or two-wire LED-DRIVER-IC
3. With 125 kinds of patterns,which are vivid and beautiful
4. Each controller can control up to 2450 pixels
5.Preventing reverse connection of power supply

2. Remote Control

1. Functions Of Each Button:

ON/OFF	ON or OFF
MODE+	Switching patterns forwardly
MODE-	Switching patterns backwardly
SPEED+	Switching speed forwardly
SPEED-	Switching speed backwardly
AUTO	Run internal patterns automatically
NUM+	Add the number of pixels on each section
NUM-	Decreased the number of pixels on each section
SEC+	Add number of section.
SEC-	Decreased number of section.
MATCH	Match the Remote control with the receiving controller

2. Testing and Matching:

Pressing the AUTO button for up to 4 times until LED is out, release the AUTO button to into the mode of switching in red,green,blue,yellow,purple,cyan and white,witch to test the your LED.

Pressing the MATCH button for up to   4 times to match the Remote control with the receiving controller. Pressing the MATCH button for up to 4 times to un-match.

3. Sections:

     Some of the patterns run in several sections, each section is the same. User can make the number of sections as follow: 5, 10, 15, 20, 25, 30,35. Pixel number of each section can be chosen as follow: 20, 30, 40, 50, 60, 70 .

Sum of pixels = Sections*Number per section

4. User Setting Saving:

User's each pressing on the button can be saved by the controller automatically. When the controller is power off, next time power up, it will work the way as the same as before.

3. Receiving Controller：

Can be customized to support almost every kind of one-wire or two-wire LED-DRIVER-IC.User can specify to support which IC before our delivery,and also,user can modify the status of   R5,R6,R7,R8 on the PCB to meet their needs:

Actions	To support IC
Short **none** of R5,R6,R7,R8	WS2811
Short R5,breakR6,R7,R8	WS2801
Short R6,breakR5,R7,R8	LPD6803
Short R7,breakR5,R6,R8	LPD8806
Short R8,breakR5,R6,R7	UCS9812
Short R5,R6,breakR7,R8	UCS1903,APA104
Short R6,R7,breakR5,R8	APA102
Short R7,R8,breakR5,R6	TM1804,TM1809

The receiver controller has two kinds of working voltage :5V-supply-voltage and 12V-supply-voltage.

Cautions: Please make sure the power supply voltage is match to your controller before you power it.

4. Wire Connection：