

STARWIRE LIGHTING CO.,LIMITED

Product Sepcification

***Product Name: RF 6803 Pixel Controller (5VDC/12VDC/24VDC)**

***Item No: SW-RP-A 6803**



www.starwire-led.com

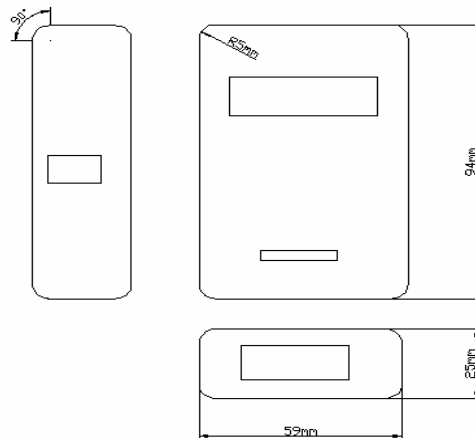
***Summarization**

RF 6803 Pixel controller is designed for led production which use TM6803 as driver, it has 32*32*32 grayscale , Length setup function and Power-fail memory function, you could choose it freely in a lot of programs, meanwhile, you could adjust all kinds of dynamic lighting changes by RF remote controller. It is very useful for light box advertisement, stage light, house decorating and so on.

***Technical Parameters**

- working temperature:-20-60℃
- supply voltage:DC12V
- external dimension:L94XW58XH26 mm
- packing size:L145XW95XH50 mm
- net weight:205 g
- gross weight:235 g
- rated power:2.2W
- output: 4 wires

***Dimension Drawing**



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* Interface specifications:

Power input interface :



Adopt conventional DC power transposon as power input interface.

* Direction for use

1. Connect the load wire at first, following by the power wire; **Please ensure short circuit can not occur between connecting wire before you turn on the power.**
2. There are eight buttons altogether on controller panel, and every button function as follows:
 - ⏻ ON/OFF button, it can open or close led anytime, when led is on the state of closing, the LCD will display IC NUMBER: ***, *** is the value of current setting **(Before operation, pls check IC number of the strip, then set it on the ICD screen)**
 - ⏸ Play/pause button, when you want to see the static effect of led ,you may press this button to pause.
 - ⊕ Adding button, to add the IC NUMBER, the maximum is 255 (510 groups of RGB)
 - ⊖ Reducing button, to reduce the IC NUMBER, the least number is 16 (32 groups of RGB);
 - ▶ Program choosing button, up direction, there are 84 programs in all.
 - ◀ Program choosing button, down direction;
 - ⏴ Speed-down button, there are 100 steps in all;
 - ⏵ Speed up button.
3. There are six buttons altogether on remote controller panel, and every button function as follows:
 - ON / OFF: you could turn on or off load output at any time;
 - MODE: mode button, you can choose playing or pausing mode, and observe the static results of LED in the state of suspension mode .
 - S +: the button to increase the rate of change;
 - S -: the button to slow down the rate of change, a total of 100 steps;
 - B +: procedures for the selection key and up choice, a total of 84 procedures;
 - B -: procedures for the selection key, down choice.
4. The description of signal output interface: V, D, G correspond with the signal of 1803,which is VCC, DATA,GND.
5. Standard color changes as follows:

PROGRAM	Functions
1	Static Black
2	Static Red
3	Static Green
4	Static Blue
5	Static Yellow
6	Static Cyan
7	Static Purple
8	Static White
9	Red horse race lamp to left

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10	Red horse race lamp to right
11	Green horse race lamp to left
12	Green horse race lamp to right
13	Blue horse race lamp to left
14	blue horse race lamp to right
15	Red horse lower curtain
16	Green horse draw curtain
17	R/G/B color horse race to brush color forward direction
18	Y/C/P color horse race to brush color backward direction
19	Three base color horse race to brush lower curtain
20	Three mix color horse race to brush draw curtain
21	Seven color race to brush color forward direction
22	Seven color race to brush color backward direction
23	Seven color horse race to brush lower curtain
24	Seven color horse race to brush draw curtain
25	Three base color brush forward direction
26	Three base color brush backward direction
27	Three mix color brush forward direction
28	Three mix color brush backward direction
29	Seven color brush forward direction
30	Seven color brush backward direction
31	Three base color brush draw curtain
32	Three base color brush lower curtain
33	Seven color brush draw curtain
34	Seven color brush lower curtain
35	Three base color flash
36	Seven color flash
37	Three base color jumpy change
38	Three mix color jumpy change
39	Seven color jumpy change
40	Three base color flow change forward direction

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41	Three base color flow change backward direction
42	Three mix color flow change forward direction
43	Three mix color flow change backward direction
44	B/Y/C/P color flow change forward direction
45	G/B color draw curtain
46	B/Y color lower curtain
47	Seven color wave forward direction
48	Seven color wave backward direction
49	R/Y/G/C/B/P color gradual change
50	Red color trail forward direction
51	Green color trail backward direction
52	Blue color trail forward direction
53	Red color trail lower curtain
54	Purple color draw curtain
55	Cyan color lower curtain
56	Three base color trail forward direction
57	Three base color trail backward direction
58	Three mix color trail forward direction
59	G/B/Y/C color trail forward direction
60	Seven color trail backward direction
61	Seven color trail forward direction
62	Three base color trail lower curtain
63	Three mix color trail draw curtain
64	Red-yellow-red gradual change
65	Red-purple-red gradual change
66	Green-cyan-green gradual change
67	Green-yellow-green gradual change
68	Blue-purple-blue gradual change
69	Blue-cyan-blue gradual change
70	Change color yellow-red-yellow forward direction
71	Change color yellow-red-yellow backward direction

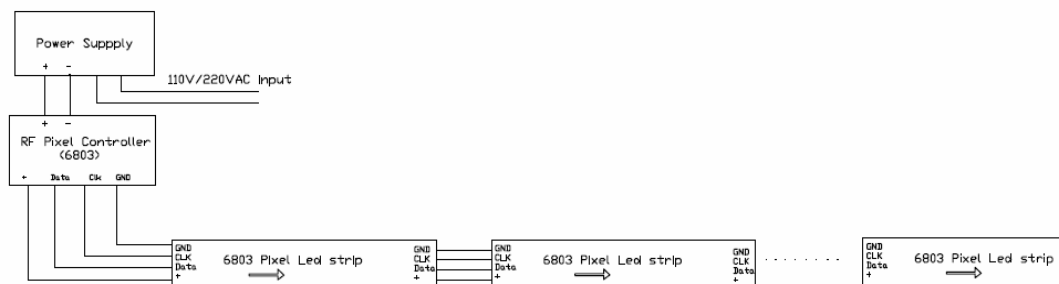
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72	Change color purple-red-purple forward direction
73	Change color purple-red-purple backward direction
74	Change color yellow-green-yellow forward direction
75	Change color yellow-green-yellow backward direction
76	Change color cyan-green-cyan forward direction
77	Change color cyan-green-cyan backward direction
78	Change color purple-blue-purple forward direction
79	Change color purple-blue-purple backward direction
80	Change color cyan-blue-cyan forward direction
81	Change color cyan-blue-cyan backward direction
82	Change color red-white-red forward direction
83	Change color red-white-red backward direction

* Typical Applications

Typical 1:



Typical 2:

