

Wireless Symphony LED Controller

# HX-SPI-RF8K

## Wireless Symphony LED Controller

# Product Specifications



***This product warranty is 1 year ( exclude the artificial situation of damaged or overload working )***

Before installing this product, Please read this manual carefully. Ensure full understanding of this specification to avoid unnecessary damage and additional costs.

## Product Description

Wireless Symphony LED Controller is suit for LPD6803(UCS1903、LDP6803 and WS2801 etc) output applications which drive LED directly. It is widely used in advertising, stage sets, home decorations, etc. It has many advantages such as low price, easy connection and simplicity to use. It has a memory function. Meanwhile, you could adjust brightness, static color choices and various dynamic changes in lighting effects through wireless remote control.

## Technical Parameters

Working temperature	-20-60℃
Supply voltage	DC12V-24V
Current	<60mA
External dimension	L94*W58*H25 mm
Packing size	L137*W80*H54mm
Net weight	155g
Gross weight	185g
Effects model	132
Maximum control points	2048 (High-speed) points
Controlled IC Model	Such as the , LDP6803,UCS1903, TM1804, TM1809 , TM1812, WS2811,WS2801 etc. (specify the required model on orders)

## Function of controller panels

- ⏻ ON/OFF button, it can open or close led anytime, when led is on the station of closing, The digital tube will display “\*\*\*”, “\*\*\*” is the value of current setting.
- ⏸ Play/pause button, pressing this button to pause, you can see the static affection of led.
- ⊕ Adding button, to add the IC NUMBER, the most number is 2048.
- ⊖ Reducing button, to reduce the IC NUMBER, the least number is 8.
- ▲ Program choosing button, up direction, there are 132 programs in all.
- ▼ Program choosing button, down direction.
- ⏪ Speed slow button, there are 99 step in all, the most number is 99.
- ⏩ Speed quick button, the least number is 1.

## Function of remote panels

ON/OFF: ON/OFF button, it can open or close led anytime.

PAUSE: Play/pause button, pressing this button to pause, you can see the static affection of led.

S+: Speed quick button, the least number is 1

S-: Speed slow button, there are 100 step in all, the most number is 99

B+: Program choosing button, up direction, there are 132 programs in all.

B-: Program choosing button, down direction.

M+: Adding button, to add the IC NUMBER, the most number is 2048.

M-: Reducing button, to reduce the IC NUMBER, the least number is 8.

The code way:

1. Press and hold the “ON/OFF” key before the “LED controller” powering on.
2. Power up the “LED controller”, and the LEDs will output red.

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3. Press the "PAUSE" key, then the LEDs will be output green..
4. Press the "ON/OFF" key again, then the LEDs will be output blue.
5. Press the "PAUSE" key again, then the LEDs will be output yellow, and indicating the successful code learning. If not, repeat from step 1.

### IC selection method:

1. Press the "ON/OFF" key, Close the controller.
2. Press the "S-" key, the digital tube will display "----1".
3. Press the "S+" key, the digital tube will display "----2".
4. Press the "S-" key, the digital tube will display "----3".
5. Press the "S+" key, to enter the "Control IC setting. The digital tube will display 4-digit is for the number of control IC model.
6. Press the "PAUSE" key to select the IC. The factory default is for 1903.
7. After setting well, press the "On / off" button to save and exit.

### PROGRAM Description:

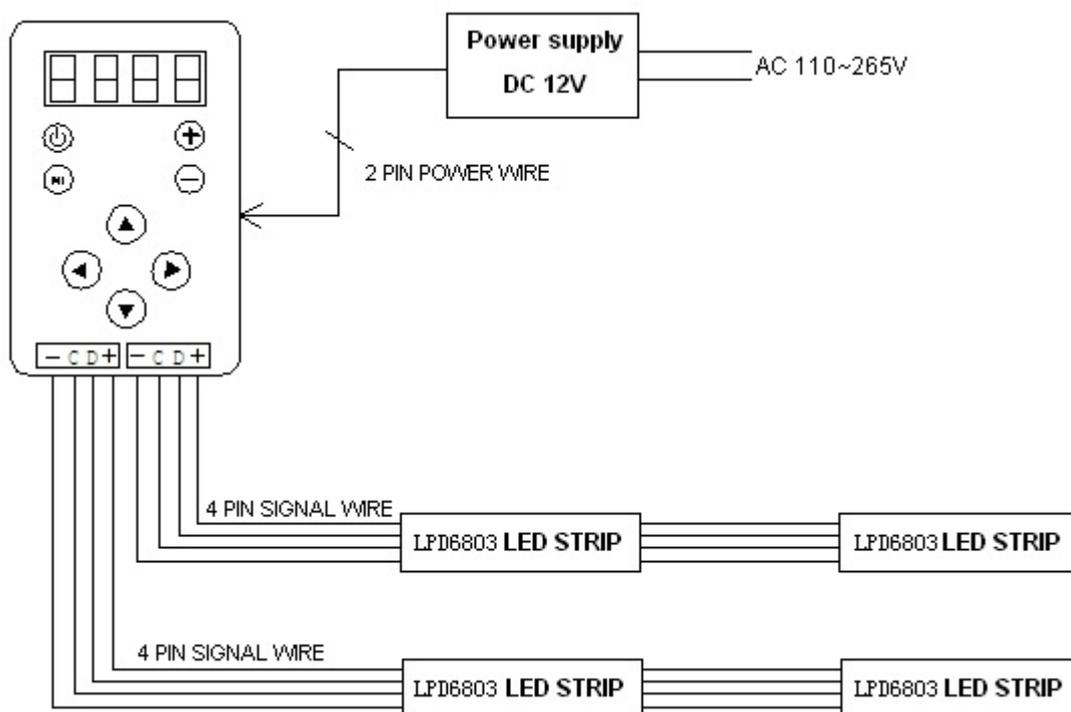
NO.	Function Description	NO.	Function Description
1	Static red	2	Static green
3	Static blue	4	Static yellow
5	Static cyan	6	Static purple
7	Static white	8	Three color jumpy change
9	Seven color jumpy change	10	Seven color stroboflash
11	Red horse race lamp to right direction	12	Purple horse race lamp to left direction
13	Blue horse race lamp to right direction	14	Cyan horse race lamp to left direction
15	Seven color cycling horse race lamp to right direction	16	Seven color cycling horse race lamp to left direction
17	Seven color horse race lamp back-for-ward direction	18	Seven color horse race lamp to left direction
19	Seven color jumping horse race lamp to right direction	20	Three color gradually change
21	Seven color gradually change	22	Red background scan lamp back-for-ward direction
23	Green background scan lamp back-for-ward direction	24	Blue background scan lamp back-for-ward direction
25	Yellow background scan lamp back-for-ward direction	26	Cyan background scan lamp back-for-ward direction
27	Purple background scan lamp back-for-ward direction	28	White background scan lamp back-for-ward direction
29	Seven color scan lamp back-for-ward direction	30	Red water move to right direction
31	Red water move to left direction	32	Green water move to right direction
33	Green water move to left direction	34	Blue water move to right direction
35	Blue water move to left direction	36	Yellow water move to right direction
37	Yellow water move to left direction	38	Cyan water move to right direction
39	Cyan water move to left direction	40	Purple water move to right direction
41	Purple water move to left direction	42	White water move to right direction
43	White water move to left direction	44	Seven color cycling water move to right direction
45	Seven color breathing lamp back-for-ward direction	46	Red trail to left single direction
47	Purple trail to left single direction	48	Blue trail to left single direction
49	Cyan trail to left single direction	50	White trail to left single direction
51	Green trail to left single direction	52	Yellow trail to left single direction
53	Seven color jumping trail to left single direction	54	Seven color queue trail to left single direction
55	Seven color alternation trail to left single direction	56	Red trail to right single direction
57	Purple trail to right single direction	58	Blue trail to right single direction
59	Cyan trail to right single direction	60	White trail to right single direction
61	Green trail to right single direction	62	Yellow trail to right single direction
63	Seven color jumping trail to right single direction	64	Seven color queue trail to right single direction
65	Seven color alternation trail to right single direction	66	Red water trail to right direction
67	Purple water trail to right direction	68	Blue water trail to right direction
69	Cyan water trail to right direction	70	White water trail to right direction
71	Green water trail to right direction	72	Yellow water trail to right direction
73	Seven color jumping water trail to right direction	74	Seven color queue water trail to right direction
75	Seven color alternation water trail to right direction	76	Red trail to left double direction
77	Purple trail to left double direction	78	Blue trail to left double direction

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79	Cyan trail to left double direction	80	White trail to left double direction
81	Green trail to left double direction	82	Yellow trail to left double direction
83	Seven color jumping trail to left double direction	84	Seven color queue trail to left double direction
85	Seven color alternation trail to left double direction	86	Red trail to right double direction
87	Purple trail to right double direction	88	Blue trail to right double direction
89	Cyan trail to right double direction	90	White trail to right double direction
91	Green trail to right double direction	92	Yellow trail to right double direction
93	Seven color jumping trail to right double direction	94	Seven color queue trail to right double direction
95	Seven color alternation trail to right double direction	96	Full color wave to right direction
97	Seven color water move to left direction	98	Purple background trail to right double direction
99	Blue background trail to right double direction	100	White background trail to right double direction
101	Cyan background trail to right double direction	102	Green background trail to right double direction
103	Yellow background trail to right double direction	104	Seven color background trail to right double direction
105	Seven color spread from the middle to both sides	106	Seven color breathing from the middle to both sides
107	Seven color draw curtain	108	Seven color lower curtain
109	Seven color spread from both sides to the middle	110	Colorful switch
111	Seven color overlay to right direction	112	Seven color overlay to left direction
113	Seven color overlay to left and right direction	114	Seven color background overlay to double direction
115	Seven color overlay from middle to both sides	116	Seven color background overlay middle to both sides
117	Seven color overlay from both sides to middle	118	Seven color background overlay both sides to middle
119	Sub seven color move back-for-ward direction	120	Sub seven color jump and move back-for-ward
121	Sub seven color background move back-for-ward	122	Sub seven color background move single direction
123	Sub seven color overlay to left and right direction	124	Sub seven color background overlay to left and right
125	Sub seven color spread to single direction	126	Sub seven color spread back-for-ward
127	Sub seven color water move to left and right	128	Sub seven color spread from middle to both sides
129	Sub seven color stretch from middle to both sides	130	Sub seven color stretch to single direction
131	Sub seven color overlay to single direction	132	Auto play circularly (60 and 70)
133	Auto play circularly		

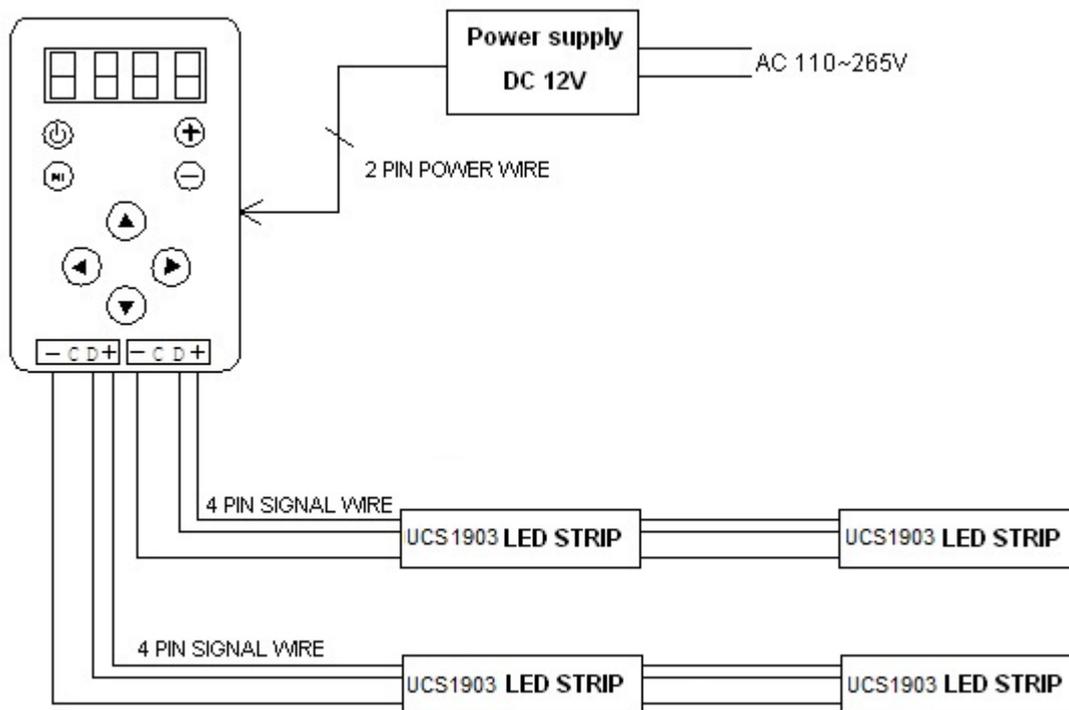
## Typical Applications

Application Circuit1:(LDP6803)

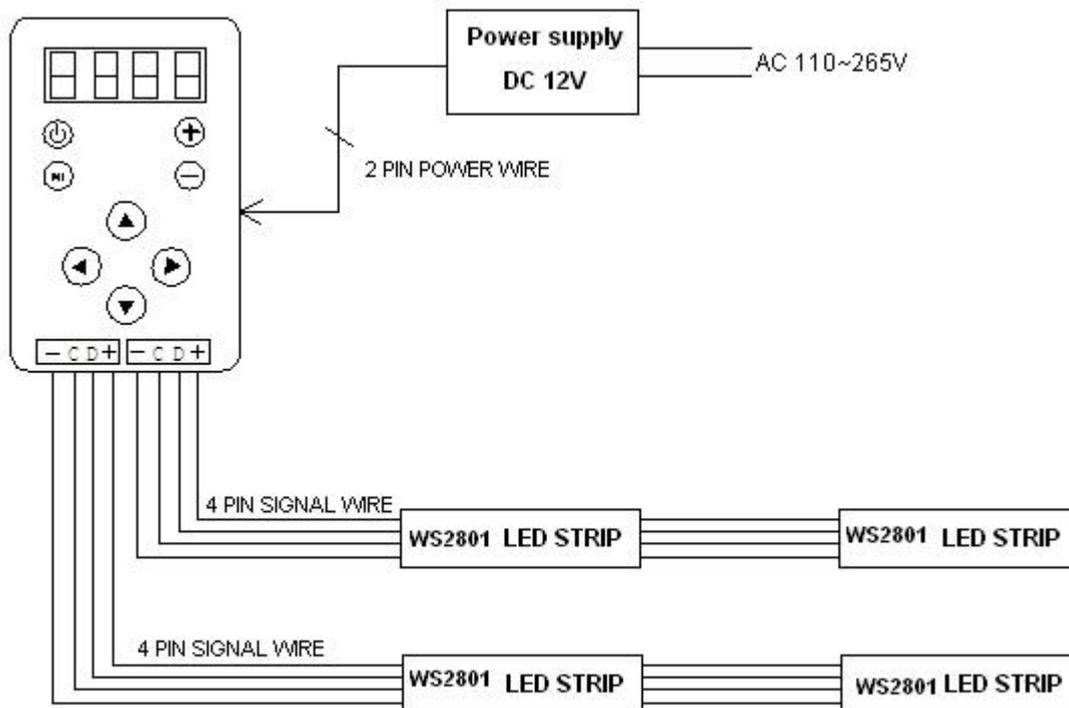


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Application Circuit2:(UCS1903, WS2811)



Application Circuit3:( WS2801)



## Safety Information

- Supply voltage of this product is DC12V-24V,never connect to other high voltage.
- Never connect two wires directly in case of short circuit.
- Lead wire should be connected correctly according to colors that connecting diagram.
- Warranty of this product is two years, but exclude the artificial situation of damaged.