

Product Specifications

Model number: JM-RF-HC-2811

Products name: Plastic Shell full color magic controller



Product Description

This magic controller is suit for UCS2811(LPD6803/LPD8806,WS2811/TM2801/TM1809 etc) output applications to 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 power off 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°C
- Supply voltage: DC5V, 12V~24V optional (specify the required supply voltage on orders)
- Rated power: 2.2W
- Controller size: L94×W58×H25mm
- Remote control size: L90×W36×H15mm
- Package size: L135×W80×H55mm
- Net weight: 115g
- Gross weight: 165g
- Mode: 133 kinds changing mode
- Controlled IC Model:TM16726,TM2801,,WS2811, UCS1903 etc. (specify the required model on orders)
- Maximum control points:1024 (Low-speed) points, 2048 (High-speed) points
- Accessories:one pcs of black color DC wire+2 pcs of 4 pins signal wire

External Dimension

(Controller)



(Remote control)



Interface Specifications

Power input interface:



Adopt the 5.5*2.1cm DC connector seat as the power input port.

Load output interface:











Adopt the slot with pins as the output interface.

Direction for use

- 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. Then set the steps as follows.**
- The two number appear on the left side of the digital tube is for the Mode function, and the right side two number in the digital tube is to shown the speed level.
- There are 8 buttons on the controller, the function of the keys are as below:



Key	key name	Key function specification
	ON/OFF	To turn ON/OFF the output at anytime.can setting the Controlled IC number when in OFF state,to press” +/-” keys to increase or decrease the controlled IC number,and the digital tube will be light up,and shown “P ***” ,*** is the current controlled IC number.
	Play/Pause key	Can play/pause the controlled in order to observe the effect
	Increase key	Used to increase the controlled IC number, Max can controlled 2048 pieces high speed IC.
	Decrease Key	Used to decrease the controlled IC number, MINI controlled 3 pieces IC.
	Mode +	To choose the former mode, total 133 change mode
	Mode -	To choose the next mode
	Changing speed -	Decrease the changing speed,total 100 level
	Changing speed +	Increase the changing speed

- Adopt the radio frequency remote control, there are eight key on the remote control, the key function are as follows:

ON/OFF: To turn ON/OFF the output at anytime;

Pause: Can play/pause the controlled in order to observe the effect.

S+: increase changing speed;

S-:decrease changing speed,total 100 changing level;

B+: To choose the former mode, total 133 change mode;

B-: To choose the next mode;

M+:In ON/OFF state, press this key to increase the controlled IC number,max controlled 2048 pcs IC

M-:In ON/OFF State,Press this key to decrease the controlled IC number, Min controlled 3 pcs IC

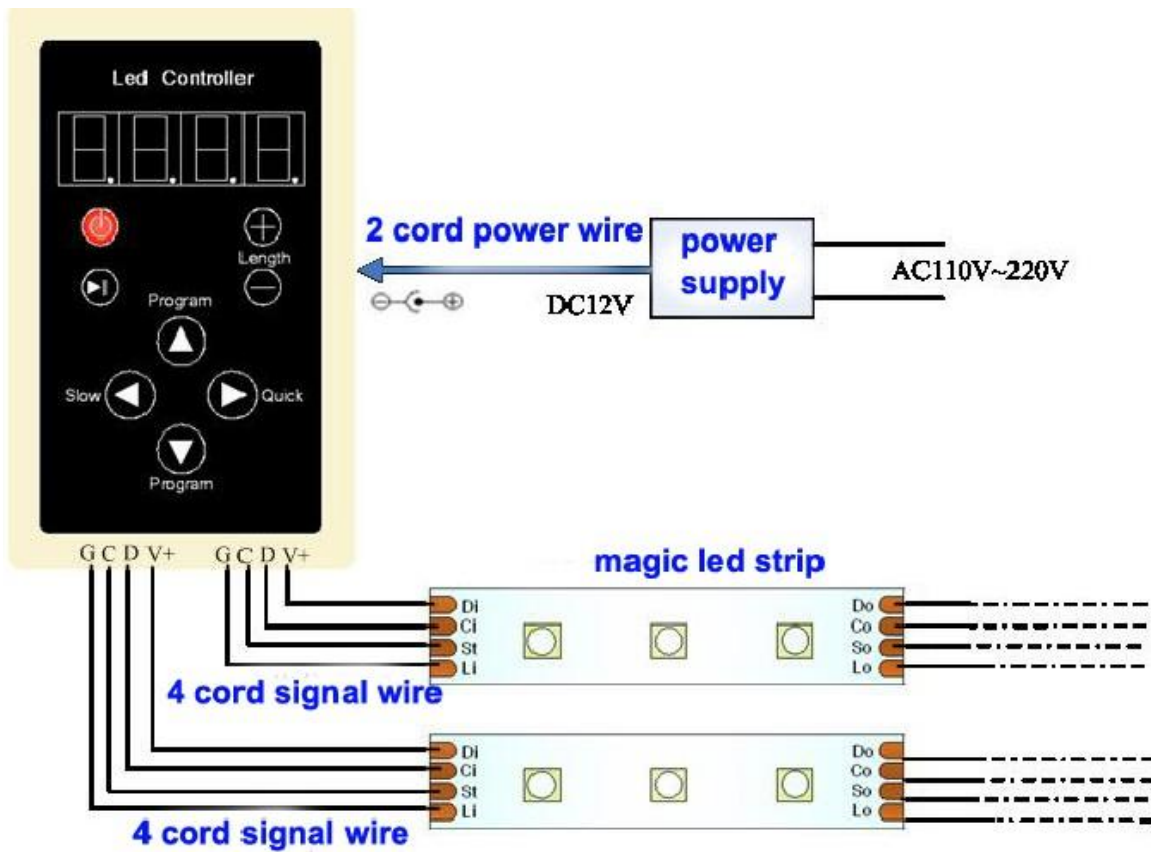
Turn OFF the controller, and it will be save automatic.

●Standard color changes Mode as follows:

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
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	Falling start
133	Automatic cycle mode		

Typical Applications



Cautions:

- 1、 This products Input voltage is DC12-24V,other input voltage are not allowed.
- 2、 Lead wire should be connected correctly,according to the wire color and the connecting diagram offers.
- 3、 Overload are prohibited.