

# Operation Manual of SPI Controller

## General description:

This product is fit for LPD6803 output for driving LED; It is very useful for light box advertising, stage lighting, house decorating and so on.

## Main description:

Working temperature: -20-60°C  
output: SPI signal  
external dimension: 90\*60\*25mm<sup>3</sup>

supply voltage: DC12V  
Weight: 75g  
rated power: 2.2W

## Button description:

- ⊙ ON/OFF button, it can open or close led anytime, when led is in a state of closing, the LCD will display
- POINT NUMBER: \*\*\*, \*\*\* is the value of current segments.
- ⏮ Play/pause button, when you want to see the static effect of led, you may press this button to pause.
- ⊕ Adding button, to set up the number of segments, 255 segments is the most setting.
- ⊖ Reducing button, to set up the number of segments, 3 segments is the least.
- ⬆ Program choosing button, up direction, there are 83 programs in all.
- ⬇ Program choosing button, down direction.
- ⏪ Speed-down button, there are 10 steps, every dynamic mode is the separate speed control.
- ⏩ Speed-up button.

## Panel button description for remote controller

on/off: In any state, you could turn on or turn off the load output;

mode: Pattern function key, you could choose playing mode or pausing mode, the static effect of led can be seen by pausing mode;

B+: Program choosing button, up direction, there are 83 programs in all.

B-: Program choosing button, down direction.

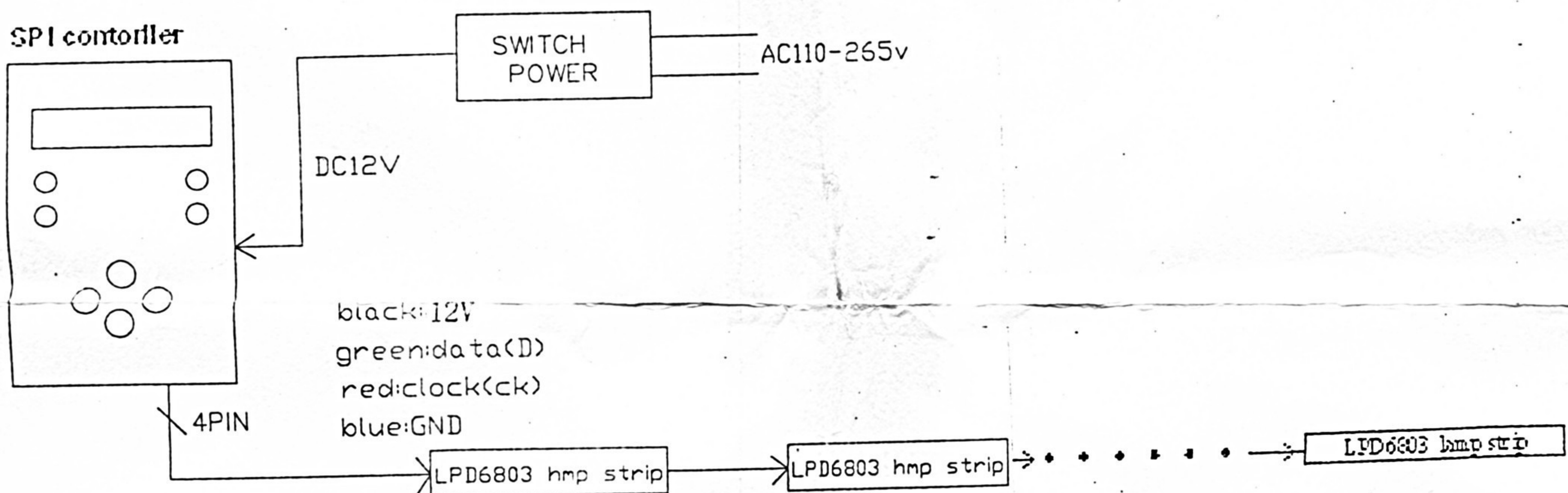
speed : The speed changing progression will add one when you press the button every time;

speed : The speed changing progression will subtract one when you press the button every time.

Modes	Functions	Modes	Functions
1	Static red	43	blue-yellow-cyan running form forward
2	Static green	44	green-blue draw curtain
3	Static blue	45	blue-yellow lower curtain
4	Static yellow	46	Seven color wave forward direction
5	Static purple	47	Seven color wave backward direction
6	Static cyan	48	Blue trail backward direction
7	Static white	49	Red trail forward direction
8	Red horse race lamp forward direction	50	Red trail backward direction
9	Red horse race lamp backward direction	51	Green trail forward direction
10	Green horse race lamp forward direction	52	Green trail backward direction
11	Green horse race lamp backward direction	53	Blue trail forward direction
12	Blue horse race lamp forward direction	54	Yellow trail forward direction
13	Green horse race lamp backward direction	55	Cyan trail forward direction
14	Red horse race lamp lower curtain	56	Purple trail backward direction
15	Green horse race lamp draw curtain	57	White trail forward direction
16	Three base color horse race lamp brush forward	58	White trail backward direction
17	Three mixing color horse race lamp brush backward	59	Seven trail seven color runing backward
18	Three base color horse race lamp brush draw curtain	60	Seven trail seven color runing forward
19	Three mixing color horse race lamp brush lower	61	Change color yellow-red-yellow forward
20	Seven color horse race lamp brush forward direction	62	Change color purple-red-purple forward
21	Seven color horse race lamp brush backward direction	63	Change color pruple-red-purple backward
22	Seven color horse race lamp brush draw curtain	64	Change color yellow-green-yellow forward
23	Seven color horse race lamp brush lower curtain	65	Change color yellow-green-yellow
24	Three base color brush forward direction	66	Change color cyan-green-cyan forward
25	Three base color brush backward direction	67	Change color cyan-green-cyan backward
26	Three mixing color brush forward direction	68	Change color purple-blue-purple forward
27	Three mixing color brush backward direction	69	Change color purple-blue-purple backward
28	Seven color brush forward direction	70	Change color cyan-blue-cyan forward

Modes	Functions	Modes	Functions
29	Seven color brush backward direction	71	Change color cyan-blue-cyan backward
30	Three base color brush draw curtain	72	Change color white-red-white forward
31	Three base color brush lower curtain	73	Change color white-red-white backward
32	Seven color brush draw curtain	74	Change color green-red-green forward
33	Seven color brush lower curtain	75	Change color blue-red-blue backward
34	Three base color flicker	76	Change color yellow-red-yellow forward
35	Seven color flicker	77	Change color yellow-red-yellow backward
36	Three base color jumpy changing	78	Change color red-yellow-red
37	Three mixing color jumpy changing	79	Change color red-purple-red
38	Seven color jumpy changing	80	Change color green-cyan-green
39	green-blue-yellow running form forward direction	81	Change color green-yellow-green
40	blue-yellow-cyan running form backward direction	82	Change color blue-purple-blue
41	Three mixing color running form forward direction	83	Autoplay 1~82
42	Three mixing color running form forward		

Show drawing:



#### Attentions:

1. Supply voltage of this product is DC12V, it is not allowed to connect with other size of voltage.
2. Never connect two wires directly in case of short circuit.
3. Warranty of this product is one year, in this period we guarantee replacement or repairing with no charge, but exclude the artificial damage or overload working.