Operation Instructions of HC008-2811 Controller with Interone DMX Modules
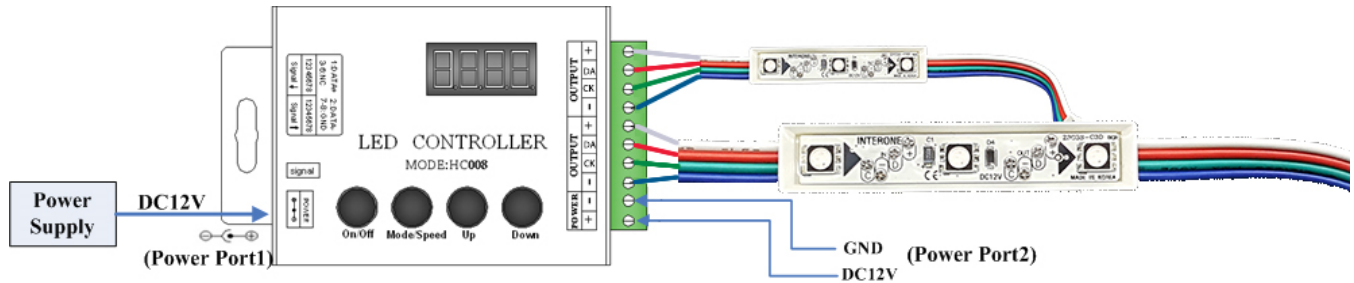
I. Specifications:
● Working temperature: -20- 60 ℃   ● Supply voltage: DC12V
● Product size: L130×W70×H25mm   ● Weight: 280g
● Current：<60mA   ● Preset Effects: 133
● Maximum controlled modules: 1024 (Low-speed), 2048 (High-speed)
● The distance of the first module to controller: Low-speed mode<40m; High-speed mode<20m. (When more than 5 meters distance, use the shielded wire to connect.)
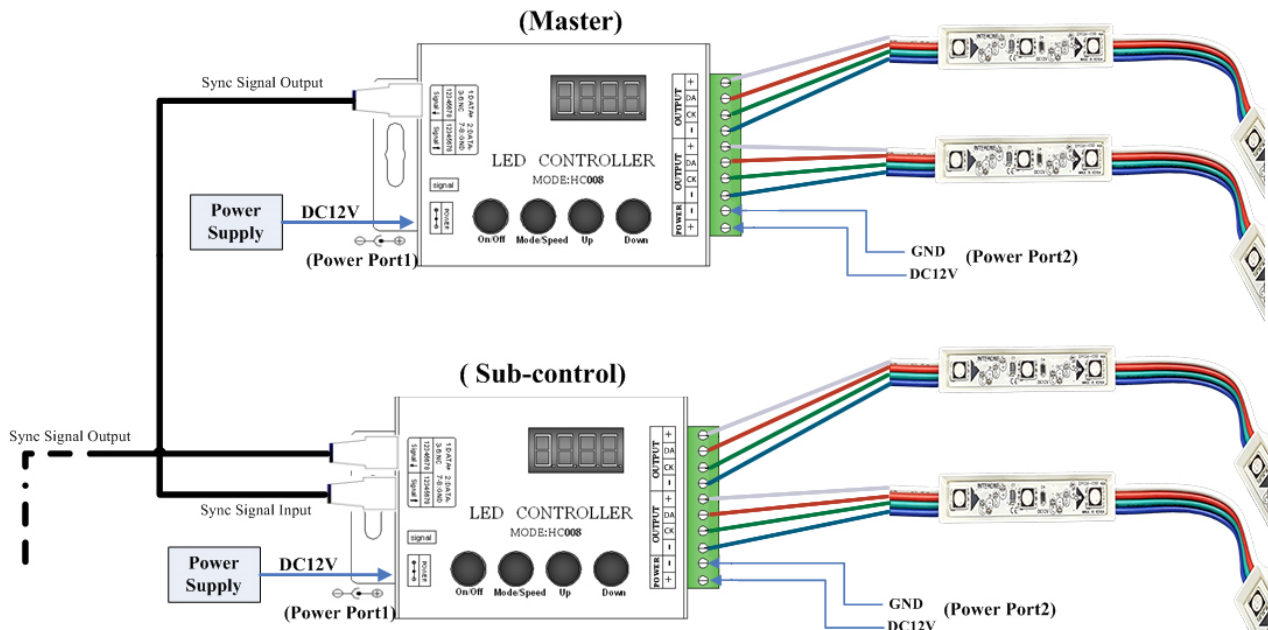
II. Connecting diagram
1. Stand-alone work

- Power port 1 is optional
- Interone DMX Wire color codes:
      Blue: -
      Green: CK (Clock)
      Red: DA (Data)
      White: +
- The connection must be made arrow direction → indicated on the module.

2. Application synchronization （Each controller can be individually powered, can also share power）

III. Controller menu settings:
(When power is on, as default the controlled IC are 50 points and high-speed mode)

(1) Connect the power and modules according to "wiring diagram". After initial power is turned on it is a normal phenomenon that the light bars maybe not bright. The following settings must be taken for normal operation.

(2) Power "off" before setting the menu.

(3) Press the "Up" & "Down" button and hold for 2 seconds. LED would light up and the controller's display will show number. There are 3 settings and these can be selected by pressing Mode/Speed button.

- Hi-Speed/Low Speed: Set to "S-Lo" or "S-Hi" by Up or Down button
- Chip selection: Select "1903"
- Number of LED connected: Input the actual number of modules connected plus one. LED will respond according to the input. <u>Verify the last LED module is lit or increase the number</u>.

(4) Press On/Off button to save and exit. Power will be turned off.

IV. The function of buttons (Controller is in playing mode)

(1) ON/OFF: Power ON/OFF button

(2) Mode/Speed
"H-xxx": Effect selection using UP/Down button
"S-xx": Speed adjustment by UP/Down Button. Lower number reflects a faster effect

V. Synchronous controller system description

The synchronous control system can be made of any number of controller connections. Each of the sub-controller would follow the first master controller to achieve a permanent synchronous change without any delay. Same program of master controller will display not continuous display.
After connecting the wiring diagram, the sub-controller needs to be set "quantity of module" connected. Others will be in accordance with the settings of the master controller. When master and sub-controllers are set and connected correctly the red signal light of sub-control would flick.

VI. The operating instructions of editable mode (133rd mode):
(The symbol * indicates an unknown number.)
This mode is a combination mode of editing, you can combine 2 to 20 scenes from existing 132 modes into a circular pattern. Each pattern can be set individually for own speed. It can automatically identify the set of patterns and automatically loop the pattern.

(1) Power off the unit.

(2) Press the "Mode / Speed" and "Up" button for 2 seconds at the same time to enter the edit menu. LED will lit and display "-01-". Change mode and speed by:
   a. Mode selection: Press Mode/Speed to show "H-XXX" and change by Up or Down button.
   b. Speed change: Press Mode/Speed to show "S-XXX" and change by Up or Down button.
   c. Next Scene: Press Mode/Speed to show "-01-" to save.
   d. Press "Up" button to go to next scene "-02-" and repeat same procedure

(3) Power off to save and exit

VII. Built-in Program List (Mode)

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 strobe flash
11	Redhorse race lamp in the right direction	12	Purple horse race lamp to left direction
13	Blue horse race lamp in the right direction	14	Cyan horse race lamp to left direction
15	Seven color cycling horse race lamps to the right direction	16	Seven color cycling horse race lamps to left direction
17	Seven color horse race lamp back-for-ward direction	18	Seven color horse race lamps to left direction
19	Seven color jumping horse race lamps in the right direction	20	Three colors gradually change
21	Seven colors 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	Redwater move to the right direction
31	Redwater move to left direction	32	Green water moves in the right direction
33	Green water moves to left direction	34	Bluewater move to the right direction
35	Bluewater move to left direction	36	Yellow water moves in the right direction
37	Yellow water moves to left direction	38	Cyan water moves in the right direction
39	Cyan water moves to left direction	40	Purple water moves in the right direction
41	Purple water moves to left direction	42	White water moves in the right direction
43	White water moves to left direction	44	Seven color cycling water moves in the right direction
45	Seven color breathing lamp back-for-ward direction	46	Redtail 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	The white trail to left single direction
51	Green trail to left single direction	52	Yellow trail to left single direction
53	Seven color jumping trails to left single direction	54	Seven color queue trails to left single direction
55	Seven color alternation trails 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 trails to right single direction	64	Seven color queue trail to right single direction
65	Seven color alternation trails to right single direction	66	Redwater trail to the right direction
67	Purple water trail in the right direction	68	Bluewater trail to the right direction
69	Cyan water trail to the right direction	70	White water trail to the right direction
71	Green water trail in the right direction	72	Yellow water trail in the right direction
73	Seven color jumping water trails to the right direction	74	Seven color queue water trails in the right direction
75	Seven color alternation water trails to the right direction	76	Red trail to the left double direction
77	Purple trail to left double direction	78	Blue trail to left double direction
79	Cyan trail to the left double direction	80	White trail to the left double direction
81	Green trail to the left double direction	82	Yellow trail to the 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 trails to the left double direction		86	Red trail to the right double direction
87	Purple trail to the right double direction		88	Blue trail to the right double direction
89	Cyan trail to the right double direction		90	White trail to the right double direction
91	Green trail to the right double direction		92	Yellow trail to the right double direction
93	Seven color jumping trails to the right double direction		94	Seven color queue trails to the right double direction
95	Seven color alternation trails to the right double direction		96	Full-color wave in the right direction
97	Seven color water move to left direction		98	Purple background trail to the right double direction
99	Blue background trail to the right double direction		100	White background trail to the right double direction
101	Cyan background trail to the right double direction		102	Green background trail to the right double direction
103	Yellow background trail to the right double direction		104	Seven color background trails to the right double direction
105	Seven colors spread from the middle to both sides		106	Seven color breathing from the middle to both sides
107	Seven colors draw curtains		108	Seven colors lower curtain
109	Seven colors spread from both sides to the middle		110	Colorful switch
111	Seven color overlays in the right direction		112	Seven color overlays to left direction
113	Seven color overlays to left and right direction		114	Seven color background overlays to double direction
115	Seven color overlays from the middle to both sides		116	Seven color background overlay middle to both sides
117	Seven color overlays from both sides to the middle		118	Seven color background overlays both sides to the 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 a 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 the middle to both sides
129	Sub seven color stretch from the middle to both sides		130	Sub seven color stretch to a single direction
131	Sub seven color overlay to a single direction		132	Auto play circularly
133	Custom combination mode			

Mode 133 Custom Programs (Select your own)

Scene	Mode	Speed	Scene	Mode	Speed
1			2		
3			4		
5			6		
7			8		
9			10		
11			12		
13			14		
15			16		
17			18		
19			20		

INTELLECT LED