

12 CHANNEL LED CONTROLLER



General Description:

The Intelligent LED controller can be controlled by DMX 512 console. Our LED ceiling light, LED underground light and LED underwater light together with the intelligent LED controller can make colorful and dynamic light scenery effects. It is widely applied to entertainment hall, stage, social club and outdoor building decoration.

Specification:

Power In: AC100V-240V 50HZ/60HZ

Power Out: 12XDC12V X2.2A

Power consumption: 350W

Size: L461 X W244 X H68mm

Weight: 10.58 lbs (4.8kgs)

Selectable 4,6,8,10,12 pcs LED lights for different applications

Selectable 5,9,13,17,25,49 DMX channels for different applications

Programmable variations of speed, fade time, flash of each pattern, capable of fading between 2 second, variable to 2 minutes

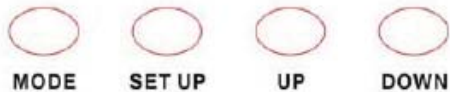
Selectable 14 built-in programs, auto-run, DMX mode, slave mode, sound-activated

12 output interfaces. Each interface output 12V X 2.2A. every interface occupies 4 channels at most

12 LED fixtures can be attached to this controller

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Operations:



Please press "MODE" button to activate the main menu as follows:

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Operations:



1) **LIGHT QTY :**
12

Set the quantity for the LED lights connected with the controller by pressing “up” and “down” button. For better effects, you please connect 4 or 6 or 8 or 10 or 12 LED lights with the controller.

2) **01 : STATIC COLOR**
COL : red FS : 000

Set preferable built-in programs and the step time(SP) or the flash speed(FS) by pressing “set up”, “up” and “down”. “set up” button is for selecting preferable data, “up” and “down” is for changing the number of data.

3) **AUTO RUN**
FREQUENCY : 001

Set auto-run programs via “up/down” buttons.

4) Addressing

The controller allows you to assign the DMX address which is defined as the first channel from which the intelligent LED controller will respond the DMX controller. For address setting, press “ set up” buttons until the display shows as follows:

DMX MODE
DMX address: 001

Set the desired address via the “up” and “down”.

5) SETTING DMX CHANNELS

The controller allows you to set 5,9,13,17,25,49 DMX channel for different applications. press“ set up” button until the display is as follows:

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Operations:



DMX MODE
Channel No.: 49

Set the desired 5,9,13,17,25,49 DMX channel via the “up” and “down”.

6) DMX protocol

①When the value of the first DMX channel is 251~255, the protocol as follows:

CH1	CH2	CH3	CH4	CH5
251~255	0~10 : black 11~21 : red 22~32 : yellow 33~43 : green 44~54 : cyan 55~65 : blue 66~76 : purple 77~87 : white 88~98 : slow dream 99~109 : fast dream 110~120 : color fade 121~131 : color change 132~142 : flow1 143~153 : flow2 154~164 : flow3 165~175 : flow4 176~186 : double flow1 187~197 : double flow2 198~208 : multi color	0~255 speed	0~10 NOTHING 11~255 FLASH	NO USE
	209~219 : 2color flow1 220~230 : 2color flow2			0~255 SET COLOR
	231~255 : sound activated	0~255 sensitivity	NO USE	NO USE

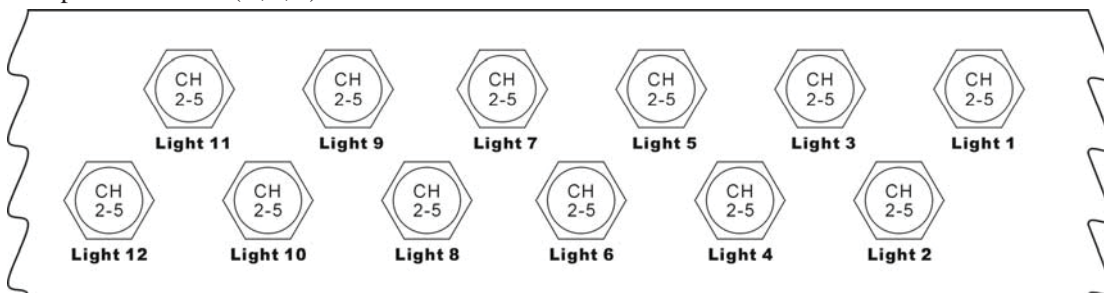
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Operations:

② when the value of the first channel is 0-250, it is as follows:

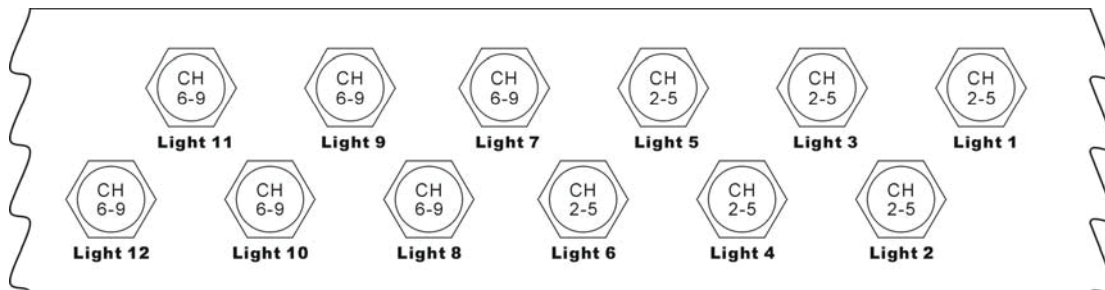
A. Set 5 channels

the dimmer occupies the first channel , the flash occupies the second channel, each LED light occupies 3 channels(R,G,B)



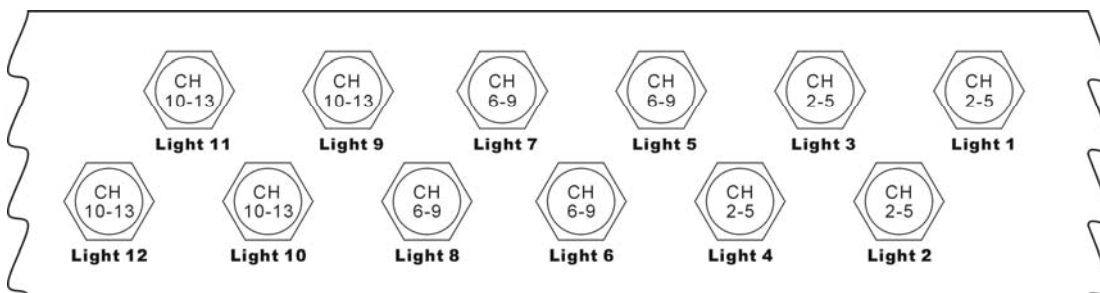
B. Set 9 channels

the dimmer occupies the first channel , light1-light6 occupy CH2(flash), Ch3(R), Ch4(G), Ch5(B), light7-light1 occupyCH6 occupyCH6(flash), Ch7(R),Ch8(G),Ch9 (B).



C. Set 13 channels

the dimmer occupies the first channel, light1-light4 occupy CH2(flash), Ch3(R), Ch4(G), Ch5(B), light5-light8 occupy CH6(flash), Ch7(R), Ch8(G), Ch9(B), light9-light12 occupy CH10(flash), Ch11(R), Ch12(G), Ch13(B)

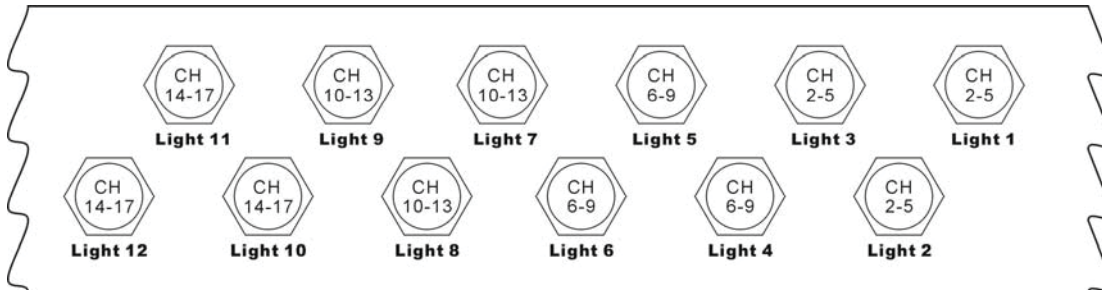


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Operations:

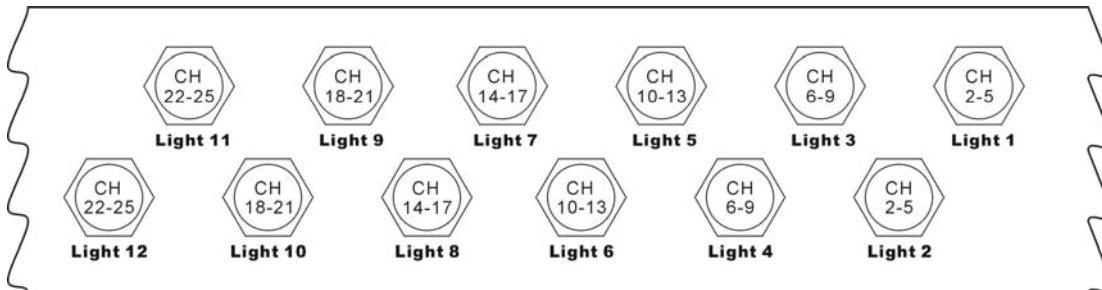
D. Set 17 channels

the dimmer occupies the first channel, light1-light3 occupy CH2(flash), Ch3(R), Ch4(G), Ch5(B); light4-light6 occupy CH6(flash), Ch7(R), Ch8(G), Ch9(B); light7-light9 occupy CH10(flash), Ch11(R), Ch12(G), Ch13(B); light7-light9 occupy CH14(flash), Ch15(R), Ch16(G), Ch17(B)



E. Set 17 channels

the dimmer occupies the first channel, light1-light2 occupy CH2(flash), Ch3(R), Ch4(G), Ch5(B); light3-light4 occupy CH6(flash), Ch7(R), Ch8(G), Ch9(B); light5-light6 occupy CH10(flash), Ch11(R), Ch12(G), Ch13(B); light7-light8 occupy CH14(flash), Ch15(R), Ch16(G), Ch17(B); light9-light10 occupy CH18(flash), Ch19(R), Ch20(G), Ch21(B); light11-light12 occupy CH22(flash), Ch23(R), Ch24(G), Ch25(B);

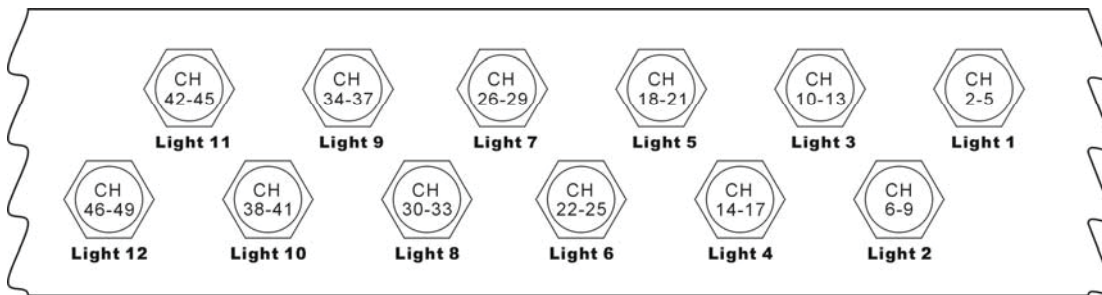


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Operations:

F. Set 49 channels

the dimmer occupies the first channel, light1 occupies CH2(flash), Ch3(R), Ch4(G), Ch5(B); light2 occupies CH6(flash), Ch7(R), Ch8(G), Ch9(B); light3 occupies CH10(flash), Ch11(R), Ch12(G), Ch13(B); light4 occupies CH14(flash), Ch15(R), Ch16(G), Ch17(B); light5 occupies CH18(flash), Ch19(R), Ch20(G), Ch21(B); light6 occupies CH22(flash), Ch23(R), Ch24(G), Ch25(B); light7 occupies CH26(flash), Ch27(R), Ch28(G), Ch29(B); light8 occupies CH30(flash), Ch31(R), Ch32(G), Ch33(B); light9 occupies CH34(flash), Ch35(R), Ch36(G), Ch37(B); light10 occupies CH38(flash), Ch39(R), Ch40(G), Ch41(B); light11 occupies CH42(flash), Ch43(R), Ch44(G), Ch45(B); light12 occupies CH46(flash), Ch47(R), Ch48(G), Ch49(B).



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Operations:

③, For example, set 9 channels, the protocol as follows:

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
0~250 dimming	0~10 NOTHING 11~255 FLASH 1	R 1	G 1	B 1	0~10 NOTHING 11~255 FLASH 2	R2	G2	B2
251~ 255	0~10 : black 11~21 : red 22~32 : yellow 33~43 : green 44~54 : cyan 55~65 : blue 66~76 : purple 77~87 : white 88~98 : slow dream 99~109 : fast dream 110~120 : color fade 121~131 : color change 132~142 : flow1 143~153 : flow2 154~164 : flow3 165~175 : flow4 176~186 : double flow1 187~197 : double flow2 198~208 : multi color 209~219 : 2color flow1 220~230 : 2color flow2 231~255 : sound activated	0~255 speed	0~10 NOTHING 11~255 FLASH	NO USE	NO USE	NO USE	NO USE	NO USE
				0~255 Set color				
		0~255 sensitivity	NO USE	NO USE				

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Operations:

5) **SLAVE MODE**

set the Slave mode by pressing “set up” button.

6) **SOUND MODE
SENSITIVITY: 31**

Set the sensitivity level for the sound activated via “up/down” buttons.

7) the sketch map of rear side of the controller:

