

Intelligent LED Controller Manual



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.

Picture:



A: Specification:

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

Power Out: 12XDC12V X2.2A

Power consumption: 350W

Size: L461 X W244 X H68mm

Weight: 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.

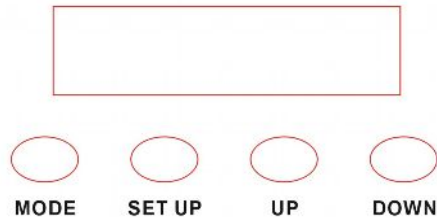
12 output interfaces. Each interface output 12V X 2.2A. every interface occupies 4 channels at most.

12 pcs of LED lights can be available at most for each controller.

B, Operation:

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

INTELLIGENT LED CONTROLLER



1,

LIGHT QTY :

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

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

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

4, 1) 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”.

2) 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:

DMX MODE
Channel No.: 49

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

3) DMX protocol

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

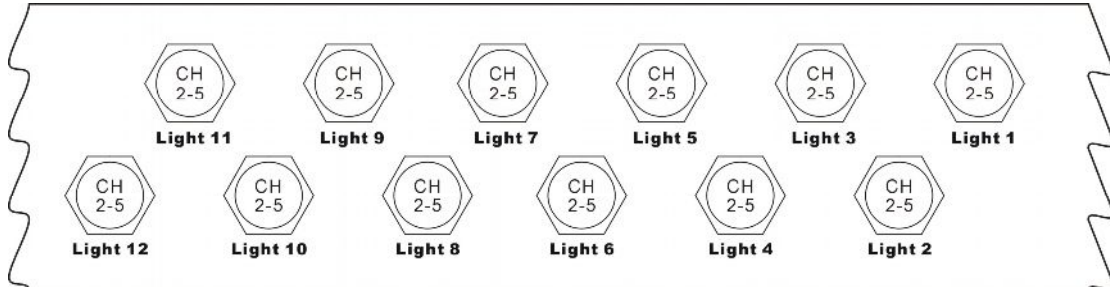
CH1	CH2	CH3	CH4	CH5
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251~255	0~10 : black	0~255 speed	0~10 NOTHING 11~255 FLASH	NO USE
	11~21 : red			
	22~32 : yellow			
	33~43 : green			
	44~54 : cyan			
	55~65 : blue			
	66~76 : purple			
	77~87 : white			
	88~98 : slow dream			
	99~109 : fast 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			0~255 SET COLOR	
220~230 : 2color flow2				
231~255 : sound activated	0~255 sensitivity	NO USE	NO USE	

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

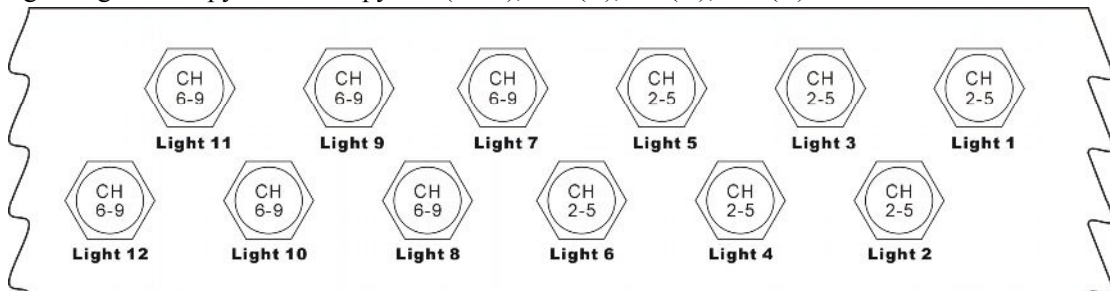
I, set 5 channels

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



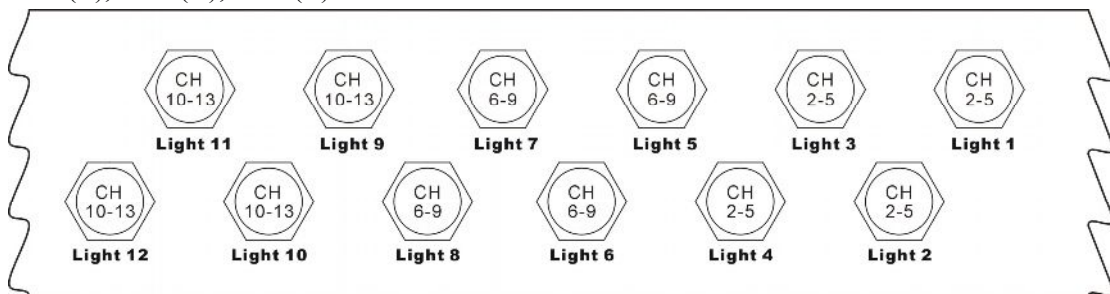
II, set 9 channels

the dimmer occupies the first channel , light1-light6 occupy CH2(flash), Ch3(R), Ch4(G), Ch5(B), light7-light1 occupyCH6 ooccupyCH6(flash), Ch7(R),Ch8(G),Ch9 (B).



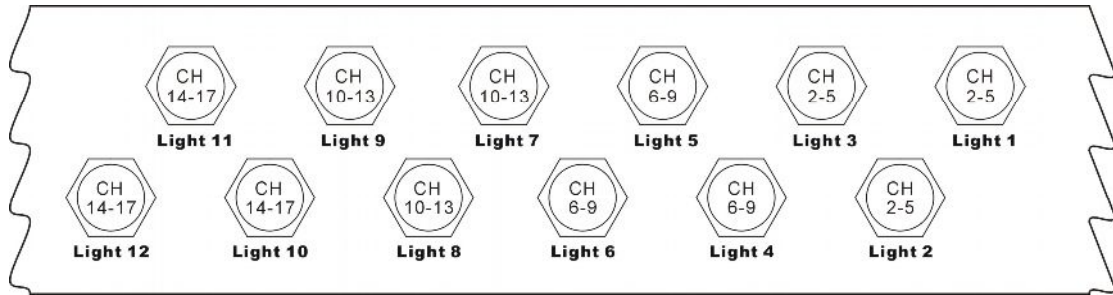
III, set 13 channels

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)



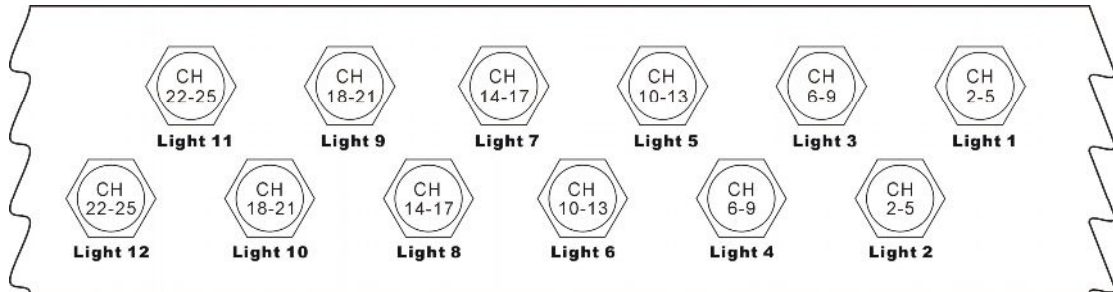
IV, set 17 channels

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)



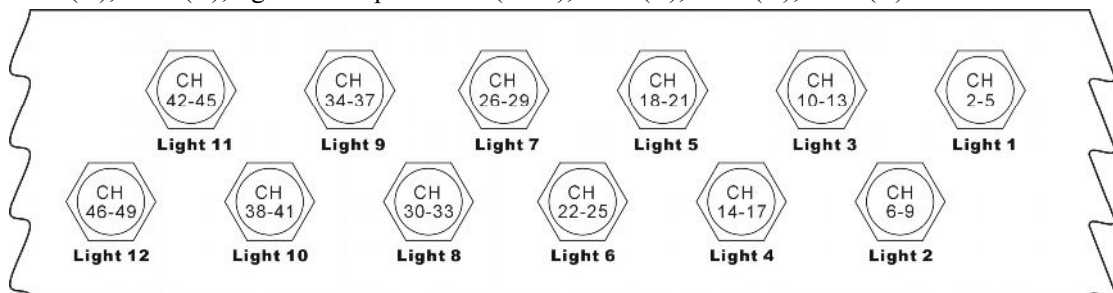
V, set 17 channels

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);



VI, 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).



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

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
0~250	0~10				0~10			
dimmin	NOTHING	R 1	G 1	B 1	NOTHING	R2	G2	B2
g	11~255				11~255			

	FLASH 1				FLASH 2			
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			0~10				
	99~109 : fast dream	0~255 speed	NOTHING	11~255 FLASH	NO USE			
	110~120 : color fade					NO USE	NO USE	NO USE
	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				0~255 Set color			
220~230 : 2color flow2								

	231~255 : sound activated	0~255 sensitivity	NO USE	NO USE				
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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:

