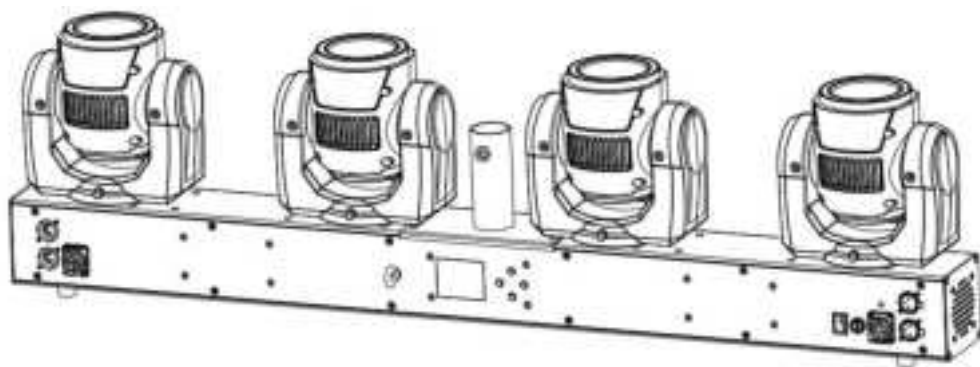


# Four Heads 80W with LED Circle Moving Head Light

(4×80W RGBW 4IN1 LED, RGB 3IN1 LED Circle)



## User Manual

Please read this user manual before using the product.

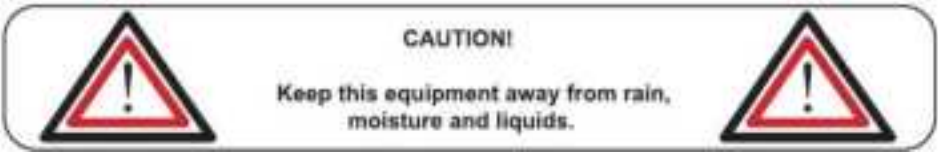


# I. Checking before using

No.	Item	Quantity	Unit
1	Four heads 80w moving head light	1	piece
2	0.75m <sup>2</sup> power cable with blue head	1	piece
3	User manual	1	piece
4	Bracket	2	pieces
5	Clamp (optional)	Optional	
6	Safety cable		
7	DMX signal cable		

- ★ For the sake of safety and under the terms, it does not allow unauthorized restructuring or modification of this product. Please note that improper use and human damage caused by this product, it can not be covered by our warranty. Also, unprofessional operations will cause short circuits, burns or shocks, and more either.
- ★The machine has been rigorously tested before shipment. Please comply with the instructions of the operation requirements, to ensure the product can be running safely under normal circumstances.
- ★Any damage caused by improper operation will result in the termination of the warranty claim. We are not accept any property lost and responsibility of human being improper use and unprofessional operation.
- ★Please place user manual in a safe place for reference. After selling,renting or carrying, you can give it to new owner.
- ★Attention: Base on our products keep improving by our company,our user manual data is subject to change without notice. We will remain rights of changing product specification.

# II. Safety Instruction



1. When opening the packing, take all accessories out, and remove the light to a horizontal table for good operation. First check whether the accessories are

complete, then check carefully whether the whole light has no damage. If there is any damage, please contact us as soon as possible.

2. AC Power: Check whether the local power supply is accordance with the requirements of the product rated voltage.

3. The product is only suitable for indoor working environment. The light should keep dry, keep away from wet, overheat or dusty environment. Don't come into contact with water and other liquids to prevent or reduce the risk of electric shock or fire.

4. Please do not install the light directly on the surface of the combustible substance.

5. The people who install, operate and maintain of light professional certificate required.

6. When there are faults of the light, please stop using the light immediately. Don't try to repair, please contact the nearest authorized technical assistance center, if the parts damage, always use the same type of parts replaced.

7. Don't touch any electrical wiring in the process of operation to prevent the risk of electric shock.

8. To make sure the light working environment temperature, the highest do not exceed 40 °C, the lowest do not exceed - 20 °C.

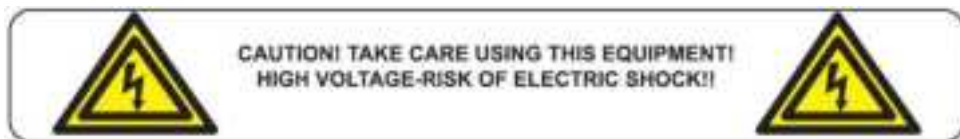
9. Under the stable cooling working situation, the highest temperature of the housing of the light can reach 80 °C, please do not touch.

10. The light is design according to the type of electric shock protection. The light should be use in good connection grounding power system and the ground wire must connect with the ground wire of the power supply system. The earth sign port of the light should be connected to the installing fixtures.

11. Do not use the damage of the insulating layer wire and also do not use the power cord overlap on the other wire. When not in use or clean the light, please disconnect the power, don't pull the plug in hard or just drag the wires.

12. There are no components inside for maintenance. Before start operation the light, please check whether all of the shell is installed. In the case of the shell open used the light is prohibited.

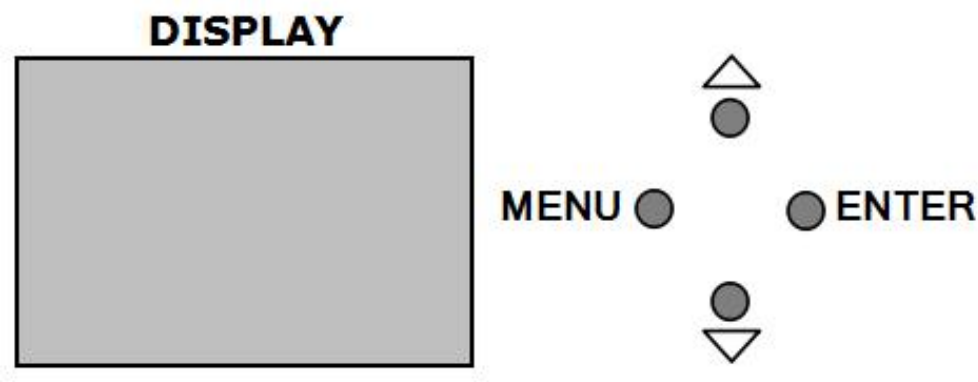
Note: Under any installation, maintenance and clean the light, please confirm that has cut off the power cord!



### III. Product specification

Category	Parameter			
Voltage	AC100~240V, 50/60HZ			
Power consumption	290W			
LED source	4pcs 80W RGBW 4in1 LED, 60pcs 0.2W RGB 3in1 LED Circle			
Channel	8CH、12CH、23CH、36CH and 60CH			
Illuminance	Color	@3M	@5M	Unit
	R1	12900	4220	Lux
	G1	23000	7800	
	B1	5235	1700	
	W1	53000	18600	
X rotation angle	0~540°			
Y rotation angle	0~220°			
Color	Individually control			
Dimming	0-100%, linear dimming			
Display	2.4inch TFT LCD display			
Fuse	F5AL250V			
Control mode	<input checked="" type="checkbox"/> DMX <input checked="" type="checkbox"/> Master/slave <input checked="" type="checkbox"/> Sound control <input checked="" type="checkbox"/> Auto run			
Size	1004*121*273MM			
N.W.	11.9kg			

## IV. Display menu



Item	SQ	Silkscreen	Function
Button:	①	MENU	Enter/check menu
	②	Δ	Check the last menu
	③	▽	Check the next menu
	④	ENTER	Enter/check menu

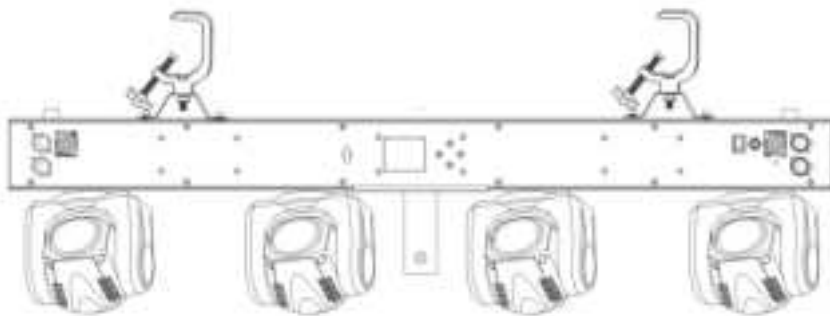
## V. Lighting installation

### 1、How to install

#### (1)Be mounted on the truss, etc.

Be mounted the light with 2pcs bracket (including in the package) and 2pcs clamps (purchased from the company or the local market) on the truss, etc. It is important to tighten up the brackets and clamps.

Completed as shown below, different kinds of lighting effect can be achieved according to the needs and configuration of multiple lighting fixture, like making the lights be lined up or form the circle.



## (2) Hung up on the stand.

Install the light according to the below figure. Stands can be bought from us or from the local market. There are 1.8m and 2.5m stands available for purchase



## VI. Display Main Function:

System Settings			
Menu	Options and settings		Function description
DMX Address	001→512		DMX address code
Channel Mode	8/12/23/36/60CH		Channel mode rotation
Slave Mode	Master		Master mode
	Slave		Slave mode
Auto Mode	Show Mode	Show00	Random show
		Show01-16	Show mode 1-16
	Show Speed	00→99	Slow to fast
Sound Mode	Show Mode	Show00	Random sound control performance
		Show01-16	Sound control mode 1-16
	Sound Sens	00	No sound control
		01-99	Sound control sensitivity: 1 (low)-99 (high)
Pan Invert	Head1	No/Yes	X1 does not invert /invert
	Head2	No/Yes	X2 does not invert /invert
	Head3	No/Yes	X3 does not invert /invert
	Head4	No/Yes	X4 does not invert /invert
Tilt Invert	Head1	No/Yes	Y1 does not invert /invert
	Head2	No/Yes	Y2 does not invert /invert
	Head3	No/Yes	Y3 does not invert /invert
	Head4	No/Yes	Y4 does not invert /invert
Advanced Settings	Reset	No/Yes	Reset
	Display	On/Off	Display on/off
	Display invert	No/Yes	Display do not invert /invert
	DMX Fail	Auto	Auto run mode
		Black	Standby mode
		Hold	Hold the DMX status
	Software	V1.1	Version

## VII. How to operate

Here are three ways to operate:

### ★Master/slave build-in program to control

- ①Connecting all the lights with DMX signal cable. To prevent interference, it's best to connect less than or equal to 17 units at a time. The program would work in Master/slave mode automatically by default. (The machines will automatically choose the main and slave ones if all in master status.)
- ②Specify one of the lighting fixture as the master one, and setting the rest as the slave ones. All the slave machines will work following the master machine.

Master mode: Auto Mode or Sound Mode→Show00-16

Slave mode option: Slave

### ③DMX controller

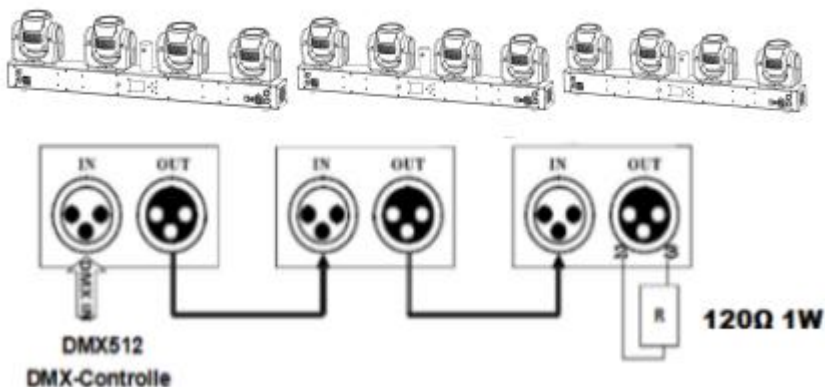
detailed instructions as follow:

## VIII. DMX Controller

If control the lights by DMX controller, address code must be set first. The address code value is between 1 to 512, and the lights can receive the DMX signal accordingly.

Press "MENU", select "DMX Address" menu option, then press "**ENTER**". Use  $\nabla/\Delta$  to select **DMX512** address code. Our initial address code is 001. After setting it, press the **ENTER** to save.

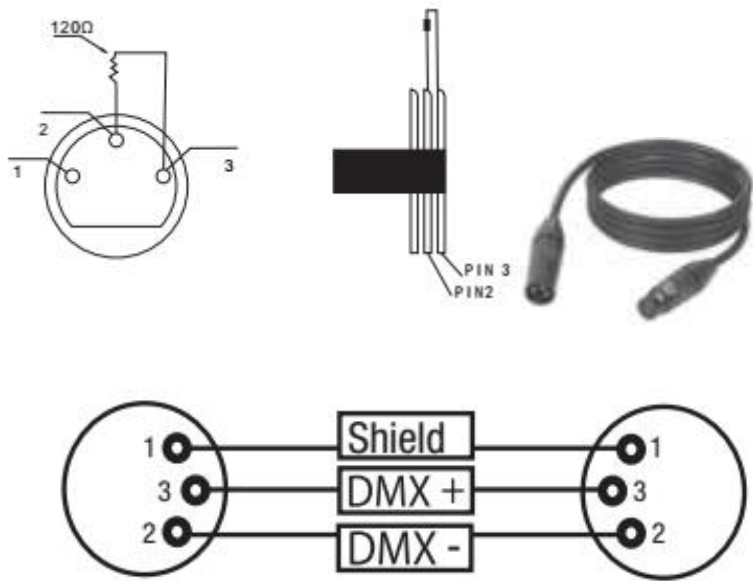
Connect the DMX512 console output port to the first slave device DMX input port, and connect the first slave device DMX output port to the second slave device DMX input port with signal cable, until all slave connections are complete.





**DMX Connection required terminal device (Loop connection)**

In the installation process, if the DMX cable laid in a long distance, or the machines are in noisy environment, such as KTV or Dancing Hall, the DMX terminal (loop connection) is recommended. This can avoid the turbidity of digital control signals caused by electrical noise. The DMX terminal is made up of a simple **XLR** connector (2-pin and 3-pin) connecting to a **120Ω** resistor. Please insert the terminal into the XLR output port of the last product.



**VII. Chanel mode instruction ( choose DMX 001 default address code)**

**[Sheet 1] DMX Channel (8CH)**

CH	Function	Value			Function
1	LED dimming	000	-	255	LED linear total dimming, 000-100%
2	Strobe	000	-	255	Strobe, slow to fast
3	Show/sound control mode	000	-	007	No function
		008	-	022	Show 1
		023	-	037	Show 2
		038	-	052	Show 3
		053	-	067	Show 4
		068	-	082	Show 5

		083	-	097	Show 6
		098	-	112	Show 7
		113	-	127	Show 8
		128	-	142	Show 9
		143	-	157	Show 10
		158	-	172	Show 11
		173	-	187	Show 12
		188	-	202	Show 13
		203	-	217	Show 14
		218	-	232	Show 15
		233	-	247	Show 16
		248	-	255	Sound control mode
4	Speed/ sensitivity	000	-	255	Show mode speed, slow - fast
					Sound control sensitivity, low - high
5	LED color	000	-	030	Color chasing (color changing )
		031	-	255	Static color selection (sheet 6)
6	Color chasing	000	-	255	Color chasing, slow - fast
7	SMD show color	000	-	255	Show color selection (sheet 7)
8	SMD background color	000	-	255	SMD background color selection (sheet 7)

## [Sheet 2] DMX Channel (12CH)

CH	Function	Value			Function
1	Pan position	000	-	255	X, 0-540°
2	Tilt position	000	-	255	Y, 0-220°
3	LED dimming	000	-	255	LED linear total dimming, 000-100%
4	Strobe	000	-	255	Strobe, slow - fast
5	Show/ sound control mode	000	-	007	No function
		008	-	022	Show 1
		023	-	037	Show 2
		038	-	052	Show 3
		053	-	067	Show 4
		068	-	082	Show 5

		083	-	097	Show 6
		098	-	112	Show 7
		113	-	127	Show 8
		128	-	142	Show 9
		143	-	157	Show 10
		158	-	172	Show 11
		173	-	187	Show 12
		188	-	202	Show 13
		203	-	217	Show 14
		218	-	232	Show 15
		233	-	247	Show 16
		248	-	255	Sound mode
6	Speed/ sensitivity	000	-	255	Show mode speed, slow - fast
					Sound control sensitivity, low - high
7	Color	000	-	030	Color chasing
		031	-	255	LED color selection (sheet 6)
8	Color chasing	000	-	255	Color chasing speed, slow - fast
9	Pan fine	000	-	255	Pan file
10	Tilt fine	000	-	255	Tilt fine
11	SMD show color selection	000	-	255	Show color selection (sheet 7)
12	SMD background color selection	000	-	255	SMD background color selection (sheet 7)

### [Sheet 3] DMX Channel (23CH)

CH	Function	Value			Function
1	LED dimming	000	-	255	LED total dimming, 000-100%
2	Strobe	000	-	255	Strobe, slow - fast
3	Red	000	-	255	R dimming, 0-100%
4	Green	000	-	255	G dimming, 0-100%
5	Blue	000	-	255	B dimming, 0-100%
6	White	000	-	255	W dimming, 0-100%
7	SMD effect	000	-	255	SMD effect selection (sheet 8)

8	SMD effect speed	000	-	255	SMD effect speed, slow - fast
9	SMD show color selection	000	-	255	SMD show color selection (sheet 7)
10	SMD background color selection	000	-	255	SMD background color selection (sheet 7)
11	X1	000	-	255	X1, 0-540°
12	Y1	000	-	255	Y1, 0-220°
13	LED1 switch	000	-	255	LED1 on, 0-100%
14	X2	000	-	255	X2, 0-540°
15	Y2	000	-	255	Y2, 0-220°
16	LED2 switch	000	-	255	LED2 on, 0-100%
17	X3	000	-	255	X3, 0-540°
18	Y3	000	-	255	Y3, 0-220°
19	LED3 switch	000	-	255	LED3 on, 0-100%
20	X4	000	-	255	X4, 0-540°
21	Y4	000	-	255	Y4, 0-220°
22	LED4 switch	000	-	255	LED4 on, 0-100%
23	Rotation speed	000	-	255	Motor rotation speed, slow - fast

#### [Sheet 4] DMX Channel (36CH)

CH	Function	Value			Function
1	LED dimming	000	-	255	LED total dimming, 0-100%
2	Strobe	000	-	255	Strobe, slow - fast
3	X1	000	-	255	X1, 0-540°
4	X1 fine	000	-	255	X1 fine
5	Y1	000	-	255	Y1, 0-220°
6	Y1 fine	000	-	255	Y1 fine
7	Rotating speed	000	-	255	X1/Y1 rotation speed, fast - slow
8	LED1 color	000	-	255	LED1 color selection (sheet 6)
9	X2	000	-	255	X2, 0-540°
10	X2 fine	000	-	255	X2 fine
11	Y2	000	-	255	Y2, 0-220°
12	Y2 fine	000	-	255	Y2 fine
13	Rotating speed	000	-	255	X2/Y2 rotation speed, fast - slow
14	LED2 color	000	-	255	LED2 color selection (sheet 6)

15	X3	000	-	255	X3, 0-540°
16	X3 fine	000	-	255	X3 fine
17	Y3	000	-	255	Y3, 0-220°
18	Y3 fine	000	-	255	Y3 fine
19	Rotating speed	000	-	255	X3/Y3 rotation speed, fast - slow
20	LED3 color	000	-	255	LED3 color selection (sheet 6)
21	X4	000	-	255	X4, 0-540°
22	X4 fine	000	-	255	X4 fine
23	Y4	000	-	255	Y4, 0-220°
24	Y4 fine	000	-	255	Y4 fine
25	Rotating speed	000	-	255	X4/Y4 rotation speed, fast - slow
26	LED4 color	000	-	255	LED4 color selection (sheet 6)
27	Sound control mode	000	-	199	No function
		200	-	209	Reset
		210	-	240	No function
		241	-	255	Sound control mode
28	Sensitivity	000	-	255	Sound control sensitivity, low - high
29	Red	000	-	255	R dimming, 0-100%
30	Green	000	-	255	G dimming, 0-100%
31	Blue	000	-	255	B dimming, 0-100%
32	White	000	-	255	W dimming, 0-100%
33	SMD effect	000	-	255	SMD effect selection (sheet 8)
34	SMD effect speed	000	-	255	SMD effect speed, slow - fast
35	SMD show color selection	000	-	255	SMD show color selection (sheet 7)
36	SMD background color selection	000	-	255	SMD background color selection (sheet 7)

## [Sheet 5] DMX Channel (60CH)

ℒ The first head effect (CH1→14)ℒ

CH	Function	Value			Function
1	X1	000	-	255	X1, 0-540°
2	X1 fine	000	-	255	X1 fine
3	Y1	000	-	255	Y1, 0-220°

4	Y1 fine	000	-	255	Y1 fine
5	Rotation speed	000	-	255	X1/Y1 rotation speed, fast to slow
6	LED1 dimming	000	-	255	LED1 total dimmer, 0-100%
7	LED1 strobe	000	-	255	LED1 strobe, slow to fast
8	LED1 color	000	-	255	LED1 color selection (sheet 6)
9	Show/reset	000	-	007	No function
		008	-	030	First PAR, show mode 1
		031	-	053	First PAR, show mode 2
		054	-	076	First PAR, show mode 3
		077	-	099	First PAR, show mode 4
		100	-	122	First PAR, sound control mode
		123	-	199	No function
		200	-	224	First PAR, stay 3-5S, automatic reset
		225		255	No function
10	Show speed	000	-	255	First PAR, show speed, slow to fast
11	LED1	000	-	255	R dimming, 0-100%
12	LED1	000	-	255	G dimming, 0-100%
13	LED1	000	-	255	B dimming, 0-100%
14	LED1	000	-	255	W dimming, 0-100%

## The second head effect (CH15→28)

CH	Function	Value			Function
15	X2	000	-	255	X2 , 0-540°
16	X2 fine	000	-	255	X2 fine
17	Y2	000	-	255	Y2, 0-220°
18	Y2 fine	000	-	255	Y2 fine
19	Rotation	000	-	255	X2/Y2 rotation speed, fast to slow
20	LED2 total dimmer	000	-	255	LED2 total dimmer, 0-100%
21	LED2 strobe	000	-	255	LED2 strobe, slow to fast
22	LED2 color	000	-	255	LED2 color selection (sheet 6)
23	Show/rest	000	-	007	No function
		008	-	030	Second PAR, show mode 1
		031	-	053	The second PAR, show mode 2
		054	-	076	The second PAR, show mode 3
		077	-	099	The second PAR, show mode 4
		100	-	122	The second PAR, sound control mode
		123	-	199	No function
		200	-	224	The second PAR, stay3-5S, automatic reset

		225		255	No function
24	Show speed	000	-	255	The second PAR, show speed, slow to fast
25	LED2	000	-	255	R dimming, 0-100%
26	LED2	000	-	255	G dimming 0-100%
27	LED2	000	-	255	B dimming, 0-100%
28	LED2	000	-	255	W dimming, 0-100%

⌌The third head effect (CH29→42)⌌

CH	Function	Value			Function
29	X3	000	-	255	X3, 0-540°
30	X3 fine	000	-	255	X3 fine
31	Y3	000	-	255	Y3, 0-220°
32	Y3 fine	000	-	255	Y3 fine
33	Rotation speed	000	-	255	X3/Y3 rotation speed, fast to slow
34	LED3 dimming	000	-	255	LED3 total dimming, 0-100%
35	LED3 strobe	000	-	255	LED3 strobe, slow to fast
36	LED3 color	000	-	255	LED3 color selection (sheet 6)
37	Show/reset	000	-	007	No function
		008	-	030	The third PAR, show mode 1
		031	-	053	The third PAR, show mode 2
		054	-	076	The third PAR, show mode 3
		077	-	099	The third PAR, show mode 4
		100	-	122	The third PAR, sound control mode
		123	-	199	No function
		200	-	224	The third PAR, stay3-5S, automatic reset
		225		255	No function
38	Show speed	000	-	255	The third PAR, show speed, slow to fast
39	LED3	000	-	255	R dimming, 0-100%
40	LED3	000	-	255	G dimming, 0-100%
41	LED3	000	-	255	B dimming, 0-100%
42	LED3	000	-	255	W dimming, 0-100%

⌌ The fourth head effect (CH43→60)⌌

CH	Function	Value			Function
43	X4	000	-	255	X4, 0-540°
44	X4 fine	000	-	255	X4 fine

45	Y4	000	-	255	Y4, 0-220°
46	Y4 fine	000	-	255	Y4 fine
47	Rotation	000	-	255	X4/Y4 rotation speed, fast to slow
48	LED4 dimming	000	-	255	LED4 total dimmer, 0-100%
49	LED4 strobe	000	-	255	LED4 strobe, slow to fast
50	LED4 color	000	-	255	LED4 color selection (sheet 6)
51	Show/reset	000	-	007	No function
		008	-	030	Fourth PAR, show mode 1
		031	-	053	Fourth PAR, show mode 2
		054	-	076	Fourth PAR, show mode 3
		077	-	099	Fourth PAR, show mode 4
		100	-	122	Fourth PAR, sound control mode
		123	-	199	No function
		200	-	224	Fourth PAR, stay 3-5S, automatic reset
		225		255	No function
52	Show speed	000	-	255	Fourth PAR, show speed, slow to fast
53	LED4	000	-	255	R dimming, 0-100%
54	LED4	000	-	255	G dimming, 0-100%
55	LED4	000	-	255	B dimming, 0-100%
56	LED4	000	-	255	W dimming, 0-100%
57	SMD effect	000	-	255	SMD effect (sheet 8)
58	SMD effect speed	000	-	255	SMD effect speed, slow - fast
58	SMD show color selection	000	-	255	SMD show color selection (sheet 7)
59	SMD show color selection	000	-	255	SMD show color selection (sheet 7)
60	SMD background color selection	000	-	255	SMD background color selection (sheet 7)



**[Sheet 6]** DMX Channel (LED color selection, value sheet)

colour macro table			
031	-	045	R (Red)
046	-	060	G (Green)
061	-	075	B (Blue)
076	-	090	W (White)
091	-	105	RG
106	-	120	RB
121	-	135	RW
136	-	150	GB
151	-	165	GW
166	-	180	BW
181	-	195	RGB
196	-	210	RGW
211	-	225	RBW
226	-	240	GBW
241	-	255	RGBW

**[Sheet 7]** DMX Channel (SMD show color, background color selection, value sheet)

SMD show color, background color selection	000	-	015	No color
	016	-	031	Red
	032	-	047	Green
	048	-	063	Blue
	064	-	079	White
	080	-	095	Amber
	096	-	111	Cyan
	112	-	127	Warm yellow
	128	-	143	Purple
	144	-	159	Yellow
	160	-	175	Turquoise
	176	-	191	Lavender
	192	-	207	Pink
	208	-	223	Cold color
	224	-	239	Magenta
	240		255	Warm white

## [Sheet 8] DMX Channel (SMD show effect, value sheet)

Show effect	000	-	015	No effect
	016	-	039	Effect 1
	040	-	063	Effect 2
	064	-	087	Effect 3
	088	-	111	Effect 4
	112	-	125	Effect 5
	126	-	129	Effect 6
	130	-	153	Effect 7
	154	-	177	Effect 8
	178	-	201	Effect 9
	202	-	255	Effect 10

## X. Product maintenance and cleaning

### Please note the following points when testing this product:

- ★All the screws and parts for installing must be tightly connected and cannot be rusted;
- ★Housings, lenses, fixtures and mounting locations (e.g ceilings, hangers, trusses, etc.) must not be deformed;
- ★The power cable must not be damaged. The installation and use must be operated by trained professional technicians and it must ensure that safety hazards are eliminated.

The installation and use of the product must be carried out by trained professional technicians, and it must be ensured that safety hazards are eliminated.

**Note: Please unplug the power cable before doing product maintenance!**

It is very important to keep machine clean and dry. Before unlock the machine or start maintenance, you should keep the machine power off and unplug. Keep cleaning regularly can make the light have max brightness and also can extend its use time. We suggest to use good glass cleaner and clean it with a soft cloth. Can not use alcohol or chemical solvents under any circumstances. The interior of the machine and the fan should be cleaned at least once every season by using a vacuum cleaner.