

# LED1940 Bee eye MAX EYE



CE F IP20 LED 0.2m t<sub>a</sub> 40°C t<sub>c</sub> 150°C

instructions

Read the instructions carefully and keep them properly

before using the product

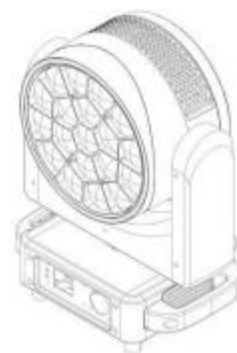
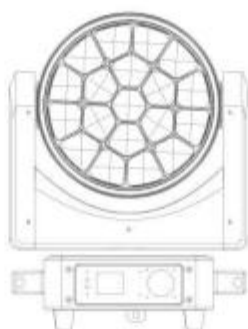
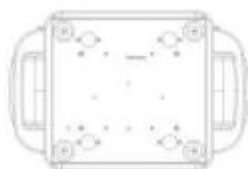
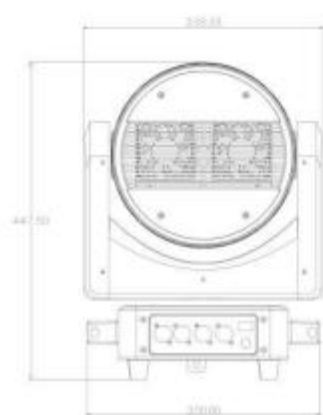
## *1. Remove packaging*

Thank you for choosing our 19-piece 40W honeycomb shake dyeing beam lights. To use this product correctly and safely, please read the manual carefully before installation and use. This manual contains important installation and application information. When installing and operating the product, please strictly follow the instructions in the manual. At the same time, please keep this manual properly.

Our company's 19-piece 40W honeycomb shake dyeing beam lights feature a new, aesthetically pleasing high-temperature resistant engineering plastic housing and a high-hardness metal body. This product is designed and manufactured strictly in accordance with CE standards, meeting the international DMX512 signal protocol. It can be used independently or in conjunction with other devices, boasting rapid rotation, low noise, and powerful functionality. Suitable for large and medium-sized concerts, theaters, studios, nightclubs, and bars,


This product uses 19 bright and stable 40W 4 in 1 lamp beads. Please remove the package carefully, check whether this product is damaged during transportation after removing the package, and check whether the following contents are complete.

## 2. *prod-uct size*



### 3. *Safety instructions*

This product is in good condition before leaving the factory. In order to maintain the good condition of this product and ensure safe operation, users should follow the safety matters and the warnings in this manual.

 Important: Damage caused by non-compliance with this manual is not covered by the warranty. The supplier is not responsible for product problems caused by this.

If the product has been exposed to extreme unstable temperature environment (such as after transportation), do not immediately connect the power supply to the product, because water droplets caused by temperature changes may damage the product. Please use the product after it has returned to normal temperature.

This product can be used in the voltage range of 90–240V, which is an indoor product. Please ensure that the ground voltage is not higher than the range that the product can withstand!! The power plug must be plugged into a protective Class I socket. The green or tea-colored conductor must be grounded.

Please check the power cord of this product regularly. Ensure that the power cord is not folded or damaged and does not connect to other wires! Pay special attention when connecting the power cord or related wires. Unplug the power cord when not using this product or before cleaning.

Before using the product, please familiarize yourself with the operation function of the product. Do not let children or unprofessional personnel

touch the product.

Please do not shake this product. Do not use brute force when installing or operating the product. Do not allow unprofessional personnel to operate the product. Most damage is caused by unprofessional operation.

The product is not equipped with relevant maintenance parts. The maintenance and repair of the product can only be carried out by professionals!

Please do not change this product without authorization, otherwise it may damage the product, so the damage caused is not covered by the warranty. In addition, unprofessional operation may lead to short circuit, burns or electric shock, etc.

#### ***4. operation declaration***

--This product is a shaking dyeing beam lamp, used to create dyeing performance effects.--If the product has been exposed to a large temperature difference (for example, after transportation), do not start the product immediately, because thermal shrinkage will damage the product. Please wait until the equipment reaches normal room temperature before starting the product.

--Pay attention to shockproof. Avoid strong collision during product installation.

--Please do not lift the entire product through the lamp head, because the mechanical damage of the equipment may be caused.

--When selecting the installation location, make sure that the product is not exposed to overheating, too wet or dusty places. Do not place any wires on the ground, otherwise you may be at risk of electric shock.

--Before installing the product, make sure that the installation point is safe

--Please fasten the safety rope to the product and check all screws for correct installation

--Please make sure the lens is in good condition. When the lens is damaged or scratched, please replace the lens.

It is recommended that the product be operated by a technician familiar with the product. Non-technical personnel are prohibited from operating this equipment, as many losses are the result of non-professional operation.

--Please keep the packing materials properly for secondary transportation.

--Do not change the product without the guidance of the manufacturer or dealer.--Any equipment failure caused by not operating this device as specified in the manual is not covered by the warranty. Furthermore, any accidents resulting from short circuits, injuries, electric shocks, UV damage, or bulb explosions are also not covered by the warranty.

## ***5. Product hanging and installation***

Note: For safety, please hang the product away from aisles, seating areas, or areas accessible to people. Before hanging the product, make sure that the installation point can withstand 10 times the weight of the product.

The product must be installed with double protection devices, such as safety ropes.

When hanging, removing or repairing this product, do not stand under the installation point

Please ensure that the product should be installed at least 0.5 meters away from flammable materials.

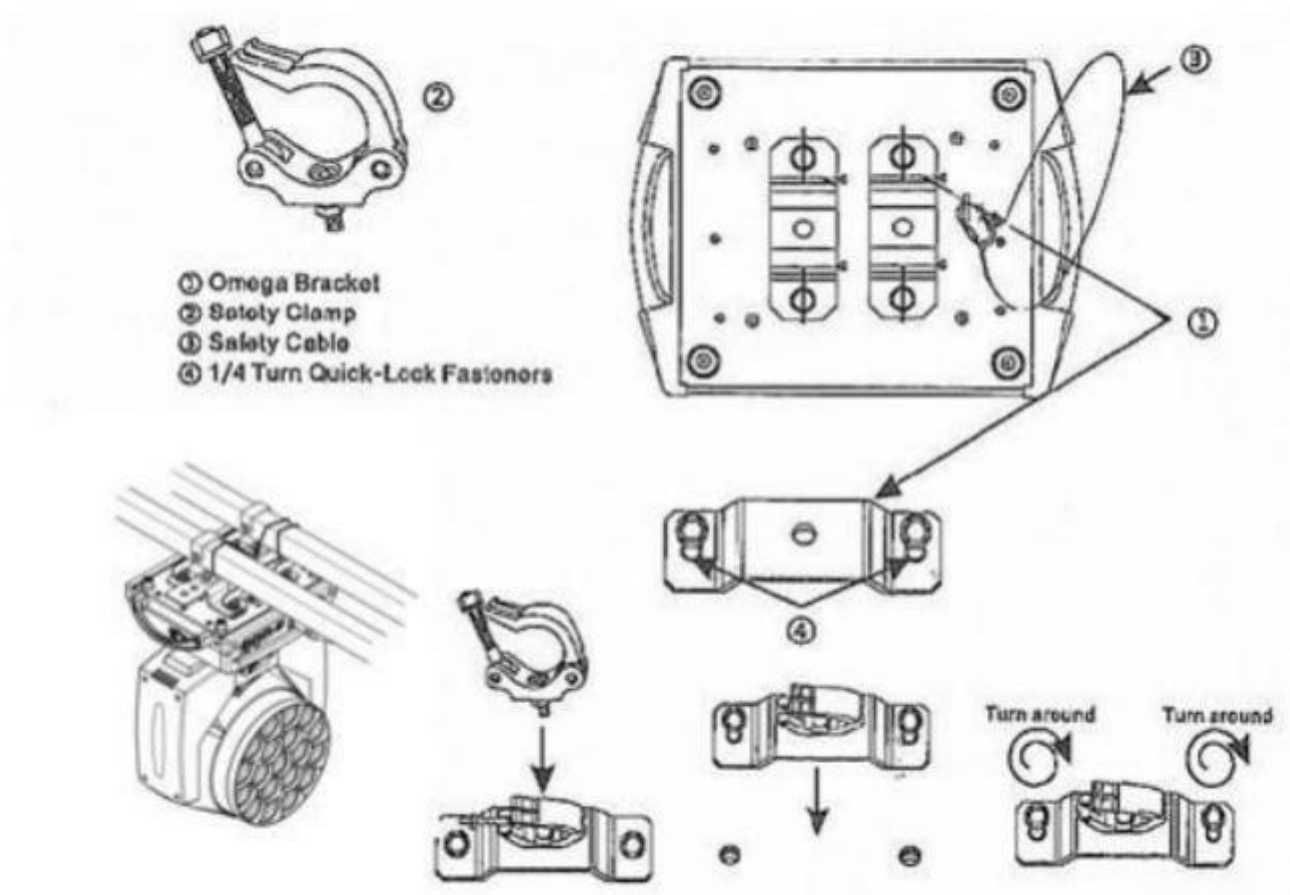
Please remember to use a safety rope as a safety guarantee in case of accidents when the fastening is loose.

Suspension point: The top suspension requires that the installer must be experienced, including calculating the load requirements, using installation materials, and periodically checking the safety conditions of installation materials and products. If you lack this knowledge, do not attempt to install it yourself. Incorrect operation may lead to serious consequences such as personal injury.

Before the product is powered on, be sure to complete all required hanging and installation steps.

Quick lock suspension: The bottom of this product has a specially designed professional suspension, including quick lock suspension and safety rope suspension point (please refer to the figure below).

When hanging the product on the truss, please remember to use the appropriate quick lock to fix it in the quick lock hanger position of the product, and hang it up with M10 screws. For further safety, please install the safety rope at the safety rope hanger point at the bottom of the product, and fix it on the truss.

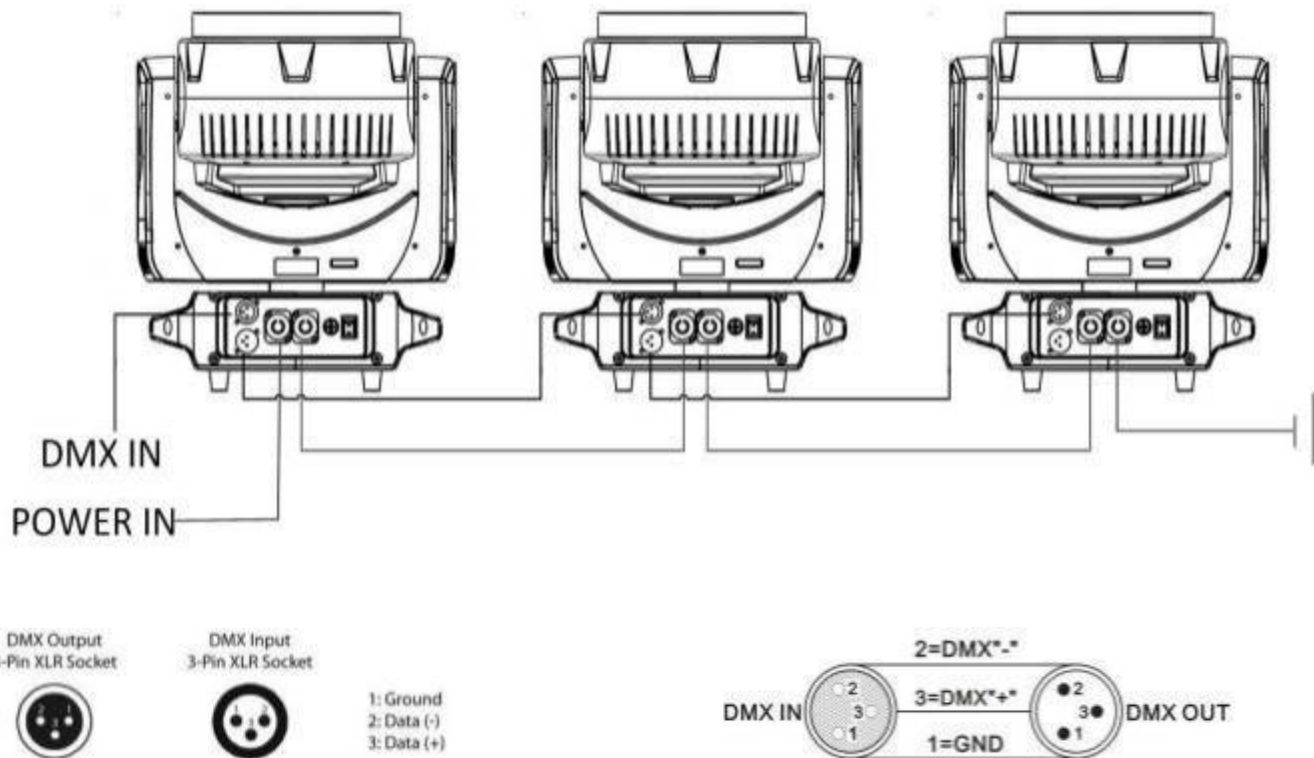


No matter which type of suspension you choose, please remember to use a safety rope. The bottom of the product is equipped with a special safety rope hanging point, please refer to the picture above, and please remember to use the special safety rope hanging point provided, do not install the safety rope at the handle position.



## 6. DMX-512 linkage

Please plug the male XLR connector of this product into the signal output port of the controller, and the female XLR connector into the signal input port on the back panel of this product. You can connect multiple units in series, and the signal cable must be three-core, shielded, with XLR input and output connectors. Please refer to the following figure.



DMX-512 connections require a terminator (loop connection)

During installation, if the signal cable is laid over a long distance or in an environment with noisy electrical equipment, such as a nightclub, it is recommended to use a DMX terminator (loop connection). This can prevent digital control signals from becoming muddled due to electrical noise. A DMX terminator consists of a simple XLR connector with 2 or 3 pins connected to a 120-ohm resistor. Please plug the terminator into the XLR output port of the last product, refer to the following diagram.

## 7. chan-nel pat-tern

CH32	Function	DMX count Price	Description
1	Red	0-255	The red is linearly dimmed from dark to bright
2	Red fine-tuning	0-255	Red fine-tuning
3	Green	0-255	The green is linearly dimmed from dark to bright
4	Green twe-aks	0-255	Green tweaks
5	Blue	0-255	The blue is linearly dimmed from dark to light
6	Blue fine-tuning	0-255	Blue fine-tuning
7	White	0-255	The white is linearly dimmed from dark to light
8	White fine-tuning	0-255	White fine-tuning
9	Color temperature adjustment	0-255	Linear color temperature adjustment
10	Color macro	0-255	Built-in color gradient
11	Stroboflash	0-3	Lighting-off
		4-103	The synchronous flash speed ranges from slow to fast (1HZ-25 HZ)
		104-107	Light up
		108-207	The flashing speed is divided from slow to fast (1HZ-25HZ)
		208-212	Light up
		213-225	Low speed random flash
		226-238	Medium speed random flashing
			High speed random flash

		239-251	
		252-255	Light up
12	General dimming	0-255	Linear dimming from dark to light
13	General dimming fine adjustment	0-255	General dimming fine adjustment control
14	X axle	0-255	Horizontal control
15	X-axis fine-tuning	0-255	Level fine-tuning control
16	Y axle	0-255	Vertical control
17	Y-axis fine-tuning	0-255	Vertical fine-tuning control
18	Macro	0-255	Obligate
19	Reset	0-25	NF
		26-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset is valid for 5s

20	Focus	0-255	Focus
21	Tilting mirror	0-127	0-60 degrees
		128-188	Counterclockwise from fast to slow infinity
		189-193	Cease
		194-255	Turn clockwise from slow to fast without limit
22	Frequency	0-31	1K frequency
		32-63	1.5K frequency
		64-95	2K frequency
		96-127	2.5K frequency
		128-159	3K frequency
		160-191	4K frequency
		192-223	6K frequency
		224-255	10K frequency
23	Light strip dimming	0-255	The light strip is linearly dimmed from dark to bright
24	The light strip flashes	0-4	Light up
		5-250	Synchronous strobe goes from slow to fast
		251-255	Light up

25	The light strip is red	0-255	The red light strip is linearly dimmed from dark to bright
26	The light strip is green	0-255	The green light strip is linearly dimmed from dark to bright
27	The light strip is blue	0-255	The blue light strip is linearly dimmed from dark to bright
28	Light strip effect	0-4	NF
		5-144	Light strip color control effect 1-20 (7 numbers one effect)
		145-255	The color of the light strip is controllable and uncontrollable effect 21-35 (one effect for seven numbers)
29	The light strip effect is fast Linear measure	0-255	The speed of the light strip effect goes from slow to fast
30	Backlighting effect of the light strip The scenery is red	0-255	The red background of the light strip effect is linearly dimmed from dark to bright
31	Backlighting effect of the light strip The scenery is green	0-255	The background of the light strip effect is green and the linear dimming is from dark to bright
32	Backlighting effect of the	0-	The background of the light strip effect is blue and the
	light strip The landscape is blue	255	linear dimming is from dark to bright

CH34	Function	DMX count Price	Description
1	X axle	0-255	Horizontal control
2	X-axis fine-tuning	0-255	Level fine-tuning control
3	Y axle	0-255	Vertical control
4	Y-axis fine- tuning	0-255	Vertical fine-tuning control
5	XY velocity	0-255	Horizontal/vertical speed from fast to slow
6	Focus	0-255	Focus
7	Tilting mirror	0-127	0 to 60 degrees
		128- 188	Counterclockwise from fast to slow infinity
		189- 193	Cease
		194- 255	Turn clockwise from slow to fast without limit
8	Aiming	0-255	Linear dimming from dark to li- ght

9	Stroboflash	0-3	Light up
		4-200	The synchronous flash speed is from slow to fast (1HZ-25HZ)
		201-215	Low speed random flash
		216-234	Medium speed random flashing
		235-255	High speed random flash
10	Red	0-255	The red is linearly dimmed from dark to bright
11	Green	0-255	The green is linearly dimmed from dark to bright
12	Blue	0-255	The blue is linearly dimmed from dark to light
13	White	0-255	The white is linearly dimmed from dark to light
14	Color temperature adjustment	0-255	Linear color temperature adjustment
15	Color macro	0-255	Built-in color gradient
16	Static effects	0-9	Not have
		10-14	Static effects 1
		15-19	Static effects 2
		20-24	Static effects 3
		...	
		5 One number for one effect	
		...	
		175-179	Static effects 34
		180-184	Static effects 35
		185-255	Static effects 36

17	Dynamic effects	0-9	Not have
		10-14	Effect 1
		15-19	Effect 2
		20-24	Effect 3
		...	...
		5 One number for one effect	
		220-224	Effect 43
		225-229	Effect 44
		230-255	Effect 45
18	Dynamic effects are fast Linear measure	0-126	The positive direction is from fast to slow
		127-128	Static
		129-255	The reverse goes from slow to fast
19	Background red	0-255	The background effect red is linearly dimmed from dark to bright
20	Background green	0-255	The background effect is linearly dimmed from dark to light green
21	Background is blue	0-255	The background effect is a linear dimming from dark to light blue
22	Background white	0-255	The background effect is linearly dimmed from dark to light
23	Reset	0-26	Not have
		27-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset is valid for 5s
24	Frequency	0-31	1K frequency
		32-63	1.5K frequency



		64-95	2K frequency
		96-127	2.5K frequency
		128-159	3K frequency
		160-191	4K frequency
		192-223	6K frequency
		224-255	10K frequency
25	Light strip dimming	0-255	The light strip is linearly dimmed from dark to bright
26	The light strip flashes	0-4	Light up
		5-250	Synchronous strobe goes from slow to fast
		251-255	Light up
27	The light strip is red	0-255	The red light strip is linearly dimmed from dark to bright
28	The light strip is green	0-255	The green light strip is linearly dimmed from dark to bright
29	The light strip is blue	0-255	The blue light strip is linearly dimmed from dark to bright
30	Light strip effect	0-4	NF
		5-144	Color control effect of the light strip 1-20 (7 numbers for one effect)

		145-255	The color of the light strip is controllable and controllable effect 21-35 (7 numbers for one effect)
31	The light strip effect is fast Linear measure	0-255	The speed of the light strip effect goes from slow to fast
32	Backlighting effect of the light strip The scenery is red	0-255	The red background of the light strip effect is linearly dimmed from dark to bright
33	Backlighting effect of the lamp The scenery is green	0-255	The background of the light strip effect is green and the linear dimming is from dark to bright
34	Backlighting effect of the lamp The landscape is blue	0-255	The background of the light strip effect is blue and the linear dimming is from dark to bright

CH46	Function	DMX count Price	Description
1	Red	0-255	The red is linearly dimmed from dark to bright
2	Red fine-tuning	0-255	Red fine-tuning
3	Green	0-255	The green is linearly dimmed from dark to bright
4	Green tweaks	0-255	Green tweaks
5	Blue	0-255	The blue is linearly dimmed from dark to light
6	Blue fine-tuning	0-255	Blue fine-tuning
7	White	0-255	The white is linearly dimmed from dark to light
8	White fine-tuning	0-255	White fine-tuning
9	Color temperature adjustment	0-255	Linear color temperature adjustment
10	Color macro	0-255	Built-in color gradient
11	Stroboflash	0-3	Lighting-off
		4-103	The synchronous flash speed is from slow to fast (1HZ-25HZ)
		104-107	Light up
		108-207	The flashing speed is divided from slow to fast (1HZ-25HZ)
		208-212	Light up
		213-225	Low speed random flash
		226-238	Medium speed random flashing
		239-251	High speed random flash
		252-255	Light up
12	General dimming	0-255	Linear dimming from dark to light

13	General dimming fine-tuning	0-255	General dimming fine adjustment control
14	X axle	0-255	Horizontal control
15	X-axis fine-tuning	0-255	Level fine-tuning control
16	Y axle	0-255	Vertical control
17	Y-axis fine-tuning	0-255	Vertical fine-tuning control
18	Macro	0-255	Obligate
19	Reset	0-25	NF
		26-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset is valid for 5s
20	Focus	0-255	Focus
21	Tilting mirror	0-127	0-60 degrees
		128-188	Counterclockwise from fast to slow infinity
		189-193	Cease
		194-255	Turn clockwise from slow to fast without limit

22	Built-in effects (in conjunction with effect colors)	0-7	Not have
		8	Static effects 1
		9	Static effects 2
		10	Static effects 3
		11	Not have
		12	Static effects 4
		13	Static effects 5
		14	Not have
		15	Dynamic effects 1
		16	Dynamic effects 2
		17	Dynamic effects 3

		18	Dynamic effects 4
		19	Monochrome random
		20	Full color random
		21	Rainbow effect 1
		22	Rainbow effect 2
		23	Dynamic effects 5
		24	Dynamic effects 6
		25	Dynamic effects 7
		26	Dynamic effects 8
		27	Dynamic effects 9
		28	Dynamic effect 10
		29	Dynamic effects 11
		30	Dynamic effects 12
		31	Dynamic effects 13
		32	Dynamic effects 14
		33	Not have
		34	Not have
		35	Dynamic effects 15
		36	Dynamic effects 16
		37	Dynamic effects 17
		38	Dynamic effects 18
		39	Dynamic effects 19
		40	Dynamic effects 20
		41	Not have

		42	Dynamic effects 21
		43	Not have
		44	Dynamic effects 22
		45	Dynamic effects 23
		46	Dynamic effects 24
		47	Dynamic effects 25
		48	Dynamic effects 26
		49	Dynamic effects 27
		50	Dynamic effects 28
		51	Dynamic effects 29
		52	Dynamic effect 30
		53	Dynamic effects 31
		54	Dynamic effects 32
		55	Dynamic effects 33
		56	Dynamic effects 34
		57	Dynamic effects 35
		58	Dynamic effects 36
		59	Dynamic effects 37
		60	Dynamic effects 38
		61	Random location 1
		62	Random location 2
		63	Random location 3
		64	Not have
		65	Random location 4

		66	Random location 5
		67	Dynamic effects 39
		68	Dynamic effects 40
		69	Not have
		70	Dynamic effects 41
		71–255	Not have
23	Effect speed	0–63	The effect is static
		64–158	The positive direction is from fast to slow
		159–160	Static
		161–255	The reverse goes from slow to fast
24	The effect is diluted	0–255	The dynamic effect fades
25	The effect is red	0–255	Dynamic effect red
26	The effect is green	0–255	Dynamic effect green
27	The effect is blue	0–255	Dynamic effect blue
28	The effect is white	0–255	Dynamic effect white
29	Adjust the light	0–255	Pattern 0–100% dimming
30	Background dimming	0–255	Background 0–100% dimming



31	Effect transition	0-255	Pattern change control
32	Effect enhancements	0-255	Pattern translation
33	The prospects are flashing	0-255	Frequency flash (same as channel 11)
34	Background strobe	0-255	Background strobe (same as channel 11)
35	Background selection	0-255	Background selection
36	Frequency	0-31	1K frequency
		32-63	1.5K frequency

		64-95	2K frequency
		96-127	2.5K frequency
		128-159	3K frequency
		160-191	4K frequency
		192-223	6K frequency
		224-255	10K frequency
37	Light strip dimming	0-255	The light strip is linearly dimmed from dark to bright
38	The light strip flashes	0-4	Light up
		5-250	Synchronous strobe goes from slow to fast
		251-255	Light up
39	The light strip is red	0-255	The red light strip is linearly dimmed from dark to bright
40	The light strip is green	0-255	The green light strip is linearly dimmed from dark to bright
41	The light strip is blue	0-255	The blue light strip is linearly dimmed from dark to bright
42	Light strip effect	0-4	NF
		5-144	Color control effect of the light strip 1-20 (7 numbers

			for one effect)
		145-255	The color of the light strip is controllable and uncontrollable effect 21-35 (one effect for seven numbers)
43	The light strip effect is fast Linear measure	0-255	The speed of the light strip effect goes from slow to fast
44	Backlighting effect of the light strip The scenery is red	0-255	The red background of the light strip effect is linearly dimmed from dark to bright
45	Backlighting effect of the lamp The scenery is green	0-255	The background of the light strip effect is green and the linear dimming is from dark to bright
46	Backlighting effect of the light strip The landscape is blue	0-255	The background of the light strip effect is blue and the linear dimming is from dark to bright

CH 79	Function	DMX count Price	Descr iptio n
1	Red	0-255	The red is linearly dimmed from dark to bright
2	Red fine-tuning	0-255	Red fine-tuning
3	Green	0-255	The green is linearly dimmed from dark to bright
4	Green tweaks	0-255	Green tweaks
5	Blue	0-255	The blue is linearly dimmed from dark to light
6	Blue fine-tuning	0-255	Blue fine-tuning
7	White	0-255	The white is linearly dimmed from dark to light
8	White fine-tuning	0-255	White fine-tuning
9	Color temperature adjustment	0-255	Linear color temperature adjustment
10	Color macro	0-255	Built-in color gradient
11	Stroboflash	0-3	Lighting-off
		4-103	The frequency of synchronous strobe increases from slow to fast (1 HZ-25

12	General dimming		HZ)
		104-107	Light up
		108-207	The flashing speed is divided from slow to fast (1 HZ-25 HZ)
		208-212	Light up
		213-225	Low speed random flash
		226-238	Medium speed random flashing
		239-251	High speed random flash
		252-255	Light up
		0-255	Linear dimming from dark to light

13	General dimming fine-tuning	0-255	General dimming fine adjustment control
14	X axle	0-255	Horizontal control
15	X-axis fine-tuning	0-255	Level fine-tuning control
16	Y axle	0-255	Vertical control
17	Y-axis fine-tuning	0-255	Vertical fine-tuning control
18	Macro	0-255	Obligate
19	Reset	0-25	NF
		26-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset 5s effective
20	Focus	0-255	Focus
21	Tilting mirror	0-127	0-60 degrees
		128-188	Counterclockwise from fast to slow infinity
		189-193	Cease
		194-255	Turn clockwise from slow to fast without limit
22	Frequency	0-31	1K frequency
		32-63	1.5K frequency
		64-95	2K frequency
		96-127	2.5K frequency
		128-159	3K frequency
		160-191	4K frequency

		192-223	6K fr-economy
		224-255	10K fr-economy
/	Built-in eff- ectiveness Fruit (Cooperative effect Fruit color)	0-7	Not hav e
		8	Static ef- fects 1
		9	Static ef- fects 2
		10	Static ef- fects 3
		11	Not hav e
		12	Static ef- fects 4
		13	Static ef- fects 5
		14	Not hav e
		15	Dynamic ef- fects 1
		16	Dynamic effect 2
		17	Dynamic ef- fects 3
		18	Dynamic ef- fects 4
		19	Monochrome random
		2 0	Full color random
		2 1	Rainbow effect 1

		22	Rainbow effect 2
		23	Dynamic ef- fects 5
		24	Dynamic ef- fects 6
		25	Dynamic ef- fects 7
		26	Dynamic ef- fects 8
		27	Dynamic ef- fects 9
		28	Dynamic eff- ects 10



		29	Dynamic effects 11
		30	Dynamic effects 12
		31	Dynamic effects 13
		32	Dynamic effects 14
		33	Not have
		34	Not have
		35	Dynamic effects 15
		36	Dynamic effects 16
		37	Dynamic effects 17
		38	Dynamic effects 18
		39	Dynamic effects 19
		40	Dynamic effects 20
		41	Not have
		42	Dynamic effects 21
		43	Not have
		44	Dynamic effects 22
		45	Dynamic effects 23
		46	Dynamic effects 24
		47	Dynamic effects 25
		48	Dynamic effects 26
		49	Dynamic effects 27
		50	Dynamic effects 28
		51	Dynamic effects 29
		52	Dynamic effects 30

		53	Dynamic effects 31
		54	Dynamic effects 32
		55	Dynamic effects 33
		56	Dynamic effects 34
		57	Dynamic effects 35
		58	Dynamic effects 36
		59	Dynamic effects 37
		60	Dynamic effects 38
		61	Random location 1
		62	Random location 2
		63	Random location 3
		64	Not have
		65	Random location 4
		66	Random location 5
		67	Dynamic effects 39
		68	Dynamic effects 40
		69	Not have
		70	Dynamic effects 41
		71-255	Not have
	Effect speed	0-63	The effect is static
		64-158	The positive direction is from fast to slow
		159-160	Static
		161-255	The reverse goes from slow to fast
	The effect is muted	0-255	The dynamic effect fades

	Spend		
	The effect is red	0–255	Dynamic effect red
	The effect is green	0–255	Dynamic effect green
	The effect is blue	0–255	Dynamic effect blue
	The effect is white	0–255	Dynamic effect white
	Adjust the light	0–255	Pattern 0–100% dimming
	Background dimming	0–255	Background 0–100% dimming
	Effect transition	0–255	Pattern change control
	Effect enhancements	0–255	Pattern translation
	Prospects are promising Dodge	0–255	Frequency flash (same as channel 11)
	Background video Dodge	0–255	Background strobe (same as channel 11)
	Background selection	0–255	Background selection
23	R1 LED Dimming	0–255	R1 LED Dimming
24	G1 LED Dimming	0–255	G1 LED Dimming
25	B1 LED Dimming	0–255	B1 LED Dimming

26	R2 LED Dimming	0-255	W1 LED Dimming
27	G2 LED Dimming	0-255	R1 LED Dimming
...	...	0-255	.....
77	R19 LED Dimming	0-255	R19 LED Dimming
78	G19 LED Dimming	0-255	G19 LED Dimming
79	B19 LED Dimming	0-255	B19 LED Dimming

CH93	Function	DMX count Price	Description
1	Red	0-255	The red is linearly dimmed from dark to bright
2	Red fine-tuning	0-255	Red fine-tuning
3	Green	0-255	The green is linearly dimmed from dark to bright
4	Green tweaks	0-255	Green tweaks
5	Blue	0-255	The blue is linearly dimmed from dark to light
6	Blue fine-tuning	0-255	Blue fine-tuning
7	White	0-255	The white is linearly dimmed from dark to light
8	White fine-tuning	0-255	White fine-tuning
9	Color temperature adjustment	0-255	Linear color temperature adjustment
10	Color macro	0-255	Built-in color gradient

		0-3	Lighting-off
11	Stroboflash	4-103	The synchronous flash speed is from slow to fast (1HZ-25HZ)
		104-107	Light up
		108-207	The flashing speed is divided from slow to fast (1HZ-25HZ)
		208-212	Light up
		213-225	Low speed random flash
		226-238	Medium speed random flashing
		239-251	High speed random flash
		252-255	Light up
12	General dimming	0-255	Linear dimming from dark to light
13	General dimming fine adjustment	0-255	General dimming fine adjustment control
14	X axle	0-255	Horizontal control

15	X-axis fine-tuning	0-255	Level fine-tuning control
16	Y axle	0-255	Vertical control
17	Y-axis fine-tuning	0-255	Vertical fine-tuning control
18	Macro	0-255	Obligate
19	Reset	0-25	NF
		26-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset is valid for 5s
20	Focus	0-255	Focus
21	Tilting mirror	0-127	0-60 degrees
		128-188	Counterclockwise from fast to slow infinity
		189-193	Cease
		194-255	Turn clockwise from slow to fast without limit
22	Built-in effects (in conjunction with effect colors)	0-7	Not have
		8	Static effects 1
		9	Static effects 2
		10	Static effects 3
		11	Not have
		12	Static effects 4
		13	Static effects 5
		14	Not have
		15	Dynamic effects 1
		16	Dynamic effects 2
		17	Dynamic effects 3

		18	Dynamic effects 4
		19	Monochrome random
		20	Full color random
		21	Rainbow effect 1
		22	Rainbow effect 2
		23	Dynamic effects 5
		24	Dynamic effects 6
		25	Dynamic effects 7
		26	Dynamic effects 8
		27	Dynamic effects 9
		28	Dynamic effects 10
		29	Dynamic effects 11
		30	Dynamic effects 12
		31	Dynamic effects 13
		32	Dynamic effects 14
		33	Not have
		34	Not have
		35	Dynamic effects 15
		36	Dynamic effects 16
		37	Dynamic effects 17
		38	Dynamic effects 18
		39	Dynamic effects 19
		40	Dynamic effects 20
		41	Not have

		42	Dynamic effects 21
		43	Not have
		44	Dynamic effects 22
		45	Dynamic effects 23
		46	Dynamic effects 24
		47	Dynamic effects 25
		48	Dynamic effects 26
		49	Dynamic effects 27
		50	Dynamic effects 28
		51	Dynamic effects 29
		52	Dynamic effects 30
		53	Dynamic effects 31
		54	Dynamic effects 32
		55	Dynamic effects 33
		56	Dynamic effects 34
		57	Dynamic effects 35
		58	Dynamic effects 36
		59	Dynamic effects 37
		60	Dynamic effects 38
		61	Random location 1
		62	Random location 2
		63	Random location 3
		64	Not have
		65	Random location 4



		66	Random location 5
		67	Dynamic effects 39
		68	Dynamic effects 40
		69	Not have
		70	Dynamic effects 41
		71–255	Not have
23	Effect speed	0–63	The effect is static
		64–158	The positive direction is from fast to slow
		159–160	Static
		161–255	The reverse goes from slow to fast
24	The effect is diluted	0–255	The dynamic effect fades
25	The effect is red	0–255	Dynamic effect red
26	The effect is green	0–255	Dynamic effect green
27	The effect is blue	0–255	Dynamic effect blue
28	The effect is white	0–255	Dynamic effect white
29	Adjust the light	0–255	Pattern 0–100% dimming
30	Background dimming	0–255	Background 0–100% dimming

31	Effect transition	0-255	Pattern change control
32	Effect enhancements	0-255	Pattern translation
33	The prospects are flashing	0-255	Frequency flash (same as channel 11)
34	Background strobe	0-255	Background strobe (same as channel 11)
35	Background selection	0-255	Background selection
36	Frequency	0-31	1K frequency
		32-63	1.5K frequency
37	R1 LED Dimming	0-255	R1 LED Dimming
38	G1 LED Dimming	0-255	G1 LED Dimming
39	B1 LED Dimming	0-255	B1 LED Dimming
...	...	.....	.....
...	...	.....	.....
...	...	.....	.....
91	R19 LED Dimming	0-255	R19 LED Dimming
92	G19 LED Dimming	0-255	G19 LED Dimming
93	B19 LED Dimming	0-255	B19 LED Dimming

CH 98	Function	DMX count Price	Descr iptio n
1	Red	0-255	The red is linearly dimmed from dark to bright
2	Red fine-tuning	0-255	Red fine-tuning
3	Green	0-255	The green is linearly dimmed from dark to bright
4	Green tweaks	0-255	Green tweaks
5	Blue	0-255	The blue is linearly dimmed from dark to light
6	Blue and white Transfer	0-255	Blue fine-tuning
7	White	0-255	The white is linearly dimmed from dark to light
8	White fine-tuning	0-255	White fine-tuning
9	Color temperature adjustment	0-255	Linear color temperature adjustment
10	Color macro	0-255	Built-in color gradient
11	Stroboflash	0-3	Lighting-off
		4-103	The frequency of synchronous strobe increases from slow to fast (1

			HZ- 25 HZ)
		104-107	Li gh t up
		108-207	The flashing speed is divided from slow to fast (1 HZ- 25 HZ)
		208-212	Li gh t up
		213-225	Low speed random flash
		226-238	Medium speed random flashing
		239-251	High speed random flash

		252–255	Light up
12	General dimming	0–255	Linear dimming from dark to light
13	General dimming fine adjustment	0–255	General dimming fine adjustment control
14	X axle	0–255	Horizontal control
15	X-axis fine-tuning	0–255	Level fine-tuning control
16	Y axle	0–255	Vertical control
17	Y-axis fine-tuning	0–255	Vertical fine-tuning control
18	Macro	0–255	Obligate
19	Reset	0–25	NF
		26–76	The lamp head is reset for 5s to be effective
		77–127	XY reset is valid for 5s
		128–255	Full reset is valid for 5s
20	Focus	0–255	Focus
21	Tilting mirror	0–127	0–60 degrees
		128–188	Counterclockwise from fast to slow infinity
		189–193	Cease

		194–255	Turn clockwise from slow to fast without limit
22	Frequency	0–31	1K frequency
		32–63	1.5K frequency
		64–95	2K frequency
		96–127	2.5K frequency
		128–159	3K frequency
		160–191	4K frequency

		192–223	6K fr- equency
		224–255	10K fr- equency
/	Built-in eff- ectiveness Fruit (Cooperative effect Fruit color)	0 – 7	Not hav e
		.	Static ef- fects 1
		.	Static ef- fects 2
		10	Static ef- fects 3
		11	Not hav e
		12	Static ef- fects 4
		13	Static ef- fects 5
		14	Not hav e
		15	Dynamic ef- fects 1
		16	Dynamic effect 2
		17	Dynamic ef- fects 3
		18	Dynamic ef- fects 4
		19	Monochrome random
		2 0	Full colour random
		2 1	Rainbow effect 1
		2 2	Rainbow effect 2

		2 3	Dynamic ef- fects 5
		2 4	Dynamic ef- fects 6
		2 5	Dynamic ef- fects 7
		2 6	Dynamic ef- fects 8
		2 7	Dynamic ef- fects 9
		2 8	Dynamic eff- ects 10



		29	Dynamic effects 11
		30	Dynamic effects 12
		31	Dynamic effects 13
		32	Dynamic effects 14
		33	Not have
		34	Not have
		35	Dynamic effects 15
		36	Dynamic effects 16
		37	Dynamic effects 17
		38	Dynamic effects 18
		39	Dynamic effects 19
		40	Dynamic effects 20
		41	Not have
		42	Dynamic effects 21
		43	Not have
		44	Dynamic effects 22
		45	Dynamic effects 23
		46	Dynamic effects 24
		47	Dynamic effects 25
		48	Dynamic effects 26
		49	Dynamic effects 27
		50	Dynamic effects 28
		51	Dynamic effects 29
		52	Dynamic effects 30

		53	Dynamic effects 31
		54	Dynamic effects 32
		55	Dynamic effects 33
		56	Dynamic effects 34
		57	Dynamic effects 35
		58	Dynamic effects 36
		59	Dynamic effects 37
		60	Dynamic effects 38
		61	Random location 1
		62	Random location 2
		63	Random location 3
		64	Not have
		65	Random location 4
		66	Random location 5
		67	Dynamic effects 39
		68	Dynamic effects 40
		69	Not have
		70	Dynamic effects 41
		71-255	Not have
	Effect speed	0-63	The effect is static
		64-158	The positive direction is from fast to slow
		159-160	Static
		161-255	The reverse goes from slow to fast
	The effect is muted	0-255	The dynamic effect fades

	Spend		
	The effect is red	0–255	Dynamic effect red
	The effect is green	0–255	Dynamic effect green
	The effect is blue	0–255	Dynamic effect blue
	The effect is white	0–255	Dynamic effect white
	Adjust the light	0–255	Pattern 0–100% dimming
	Background dimming	0–255	Background 0–100% dimming
	Effect transition	0–255	Pattern change control
	Effect enhancements	0–255	Pattern translation
	Prospects are promising Dodge	0–255	Frequency flash (same as channel 11)
	Background video Dodge	0–255	Background strobe (same as channel 11)
	Background selection	0–255	Background selection
23	R1 LED Dimming	0–255	R1 LED Dimming
24	G1 LED Dimming	0–255	G1 LED Dimming
25	B1 LED Dimming	0–255	B1 LED Dimming

26	W1 LED Dimming	0-255	W1 LED Dimming
27	R2 LED Dimming	0-255	R1 LED Dimming
	...	0-255	.....
95	R19 LED Dimming	0-255	R19 LED Dimming
96	G19 LED Dimming	0-255	G19 LED Dimming
97	B19 LED Dimming	0-255	B19 LED Dimming
98	W19 LED Dimming	0-255	W19 LED Dimming

CH100	Function	DMX count Price	Description
1	X axle	0-255	Horizontal control
2	X-axis fine - tuning	0-255	Level fine-tuning control
3	Y axle	0-255	Vertical control
4	Y-axis fine - tuning	0-255	Vertical fine-tuning control
5	XY velocity	0-255	Horizontal/vertical speed from fast to slow
6	Focus	0-255	Focus
7	Tilting mirror	0-127	0 to 60 degrees
		128-188	Counterclockwise from fast to slow infinity
		189-193	Cease
		194-255	Turn clockwise from slow to fast without limit

8	Aiming	0-255	Linear dimming from dark to light
9	Stroboflash	0-3	Light up
		4-200	The synchronous flash speed is from slow to fast (1HZ-25HZ)
		201-215	Low speed random flash
		216-234	Medium speed random flashing
		235-255	High speed random flash
10	Red	0-255	The red is linearly dimmed from dark to bright
11	Green	0-255	The green is linearly dimmed from dark to bright
12	Blue	0-255	The blue is linearly dimmed from dark to light
13	White	0-255	The white is linearly dimmed from dark to light
14	Color temperature adjustment	0-255	Linear color temperature adjustment
15	Color macro	0-255	Built-in color gradient

16	Static effects	0-9	Not have
		10-14	Static effects 1
		15-19	Static effects 2
		20-24	Static effects 3
		...	
		5 One number for one effect	
		...	
		175-179	Static effects 34
		180-184	Static effects 35
		185-255	Static effects 36
17	Dynamic effects	0-9	Not have
		10-14	Effect 1
		15-19	Effect 2
		20-24	Effect 3
		...	...
		5 One number for one effect	
		220-224	Effect 43
		225-229	Effect 44
		230-255	Effect 45

18	Dynamic effect speed	0-126	The positive direction is from fast to slow
		127-128	Static
		129-255	The reverse goes from slow to fast
19	Background red	0-255	The background effect red is linearly dimmed from dark to bright
20	Background green	0-255	The background effect is linearly dimmed from dark to light green
21	Background is blue	0-255	The background effect is a linear dimming from dark to light blue
22	Frequency	0-31	1K frequency
		32-63	1.5K frequency
		64-95	2K frequency
		96-127	2.5K frequency
		128-159	3K frequency
		160-191	4K frequency
		192-223	6K frequency
		224-255	10K frequency
23	Background white	0-255	The background effect is a line from dark to light white

			Dimming by color
24	Reset	0-26	Not have
		27-76	The lamp head is reset for 5s
		77-127	XY reset is valid for 5s
		128-255	Full reset is valid for 5s
25	R1 LED Dimming	0-255	R1 LED Dimming
26	G1 LED Dimming	0-255	G1 LED Dimming
27	B1 LED Dimming	0-255	B1 LED Dimming
28	W1 LED Dimming	0-255	W1 LED Dimming
...	...	.....	.....
...	...	.....	.....
97	R19 LED Dimming	0-255	R19 LED Dimming
98	G19 LED Dimming	0-255	G19 LED Dimming
99	B19 LED Dimming	0-255	B19 LED Dimming
100	W19 LED Dimming	0-255	W19 LED Dimming



## ***9. Product features***

Rated voltage: AC100V~240V 50/60Hz

Input power: 750W

Light source specification: 1940W four-in-one LED Osram light source

Rated life: 50,000 hours

Color: red, green, blue and white

Focus: 4 ° -60 ° DMX, linear focus, with automatic focus function

Color temperature control: built-in CTO DMX linear dimming

Electronic strobe, 0.3~25 times/s, can choose synchronous, asynchronous random strobe

Light adjustment: electronic light adjustment 0~100% linear adjustment, with gamma

curve light adjustment frequency 1.2K~25K adjustable, with macro instruction light adjustment linear stability smooth no flicker, using stable constant current drive and power supply, suitable for video shooting

Rotation Angle: XY axis is driven by a high-speed silent 60 three-phase motor, paired with a high-precision imported Hall positioning device, ensuring more accurate operation and positioning. In case of misoperation, it can automatically return to the correct position. Both horizontal and vertical speeds are adjustable; the XY axis has rotation and mirror functions, with a horizontal range of 540 ° (16-bit precision scanning) and a vertical range of 270 ° (16-bit precision scanning).

Control mode: 32CH, 34CH, 46CH, 79CH, 93CH, 98CH, 100CH; 7 channel control modes, standard DMX512 protocol, RDM protocol

## *10. Product maintenance and cleaning*

Please pay attention to the following points when testing this product:

1. All screws and parts of the installed products must be tightly connected and not rusted.
2. The shell, lens, fasteners and installation location (such as ceiling, bracket, truss, etc.) shall not deform
3. The mechanical moving parts should not be worn out and should not rotate unbalanced.
4. The power cable should not be damaged, material skin or scars

The installation and use of the products must be carried out by trained professional technicians, and safety risks must be eliminated.

In order to maintain the good condition of the product and extend its service life, we recommend regular cleaning of the product.

1. Clean the external lens and internal lens of the product every week to prevent dust accumulation on the lens