
IP65 19x60w LED Moving Head Light

User Manual



This manual contains important information.
Please read before operating fixture.

1 SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- Rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- Not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- Lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- To keep away from the liquid substance and humid environment.
- Before using the lights must ensure the good grounding, can not install charging and remove any parts.
- The installation of lights, must be fixed screw fasteners with additional security cable and regular inspection.
- Lamps consecutive working hours is not recommended more than 10 hours.
- Should stop using the lights in time when happens unusual conditions during the process.
- Lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- Lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light.

2 TECHNOLOGY DETAILS

Input Voltage: AC100-240V 50/60Hz

Power Consumption: 800W

Main Light: 19x 60W RGBL LEDs

LED ring: 80*0.12W RGB 3in1 LEDs

LED life time: 20000 hours

Beam angle:3.2-38°

Field angle:6.9-57°

CRI:68

CTC:6700K

Control mode: Auto,DMX512,RDM

Channel: 28/30/42/85/99/104/106CH

Optics: High-efficiency light-concentrating guide column + integrated high-transmittance acrylic lens

Color mix: infinite color mixing,it can mix countless colors to meet various color requirements of users

Auxiliary: ring of colorful light strips that can create various flowing water effects

Dimmer:0-100% smoothly dimmer

Strobe:1-20Hz/s strobe effect with variable speed

Display:LCD display with 5buttons

Pan movement:540°, 16bit

Tile movement: 230°, 16bit

Cooling:Waterproof low noise,Efficient integrated die-cast aluminum radiator

IP rate: IP65 protection rating

Working temperature::-10℃~40℃

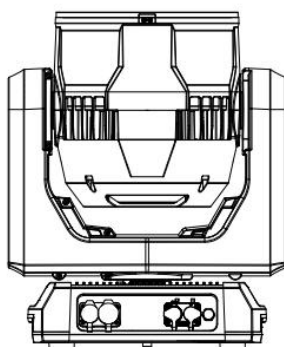
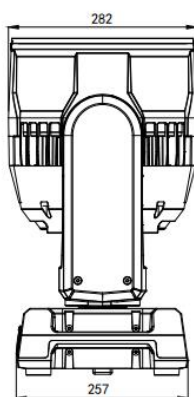
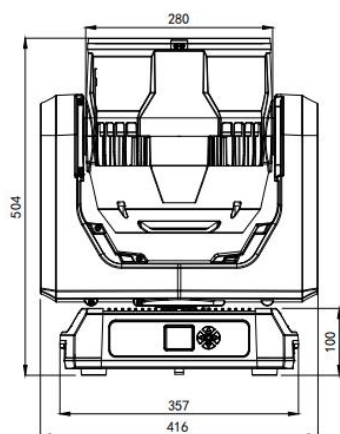
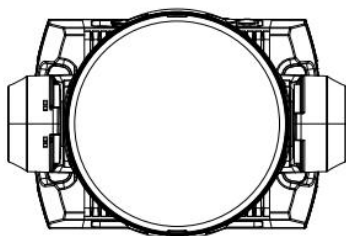
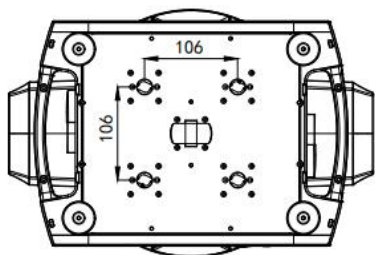
Signal connector:5-Pin XLR DMX in/out

Power connector:Ture1 Powercon in out

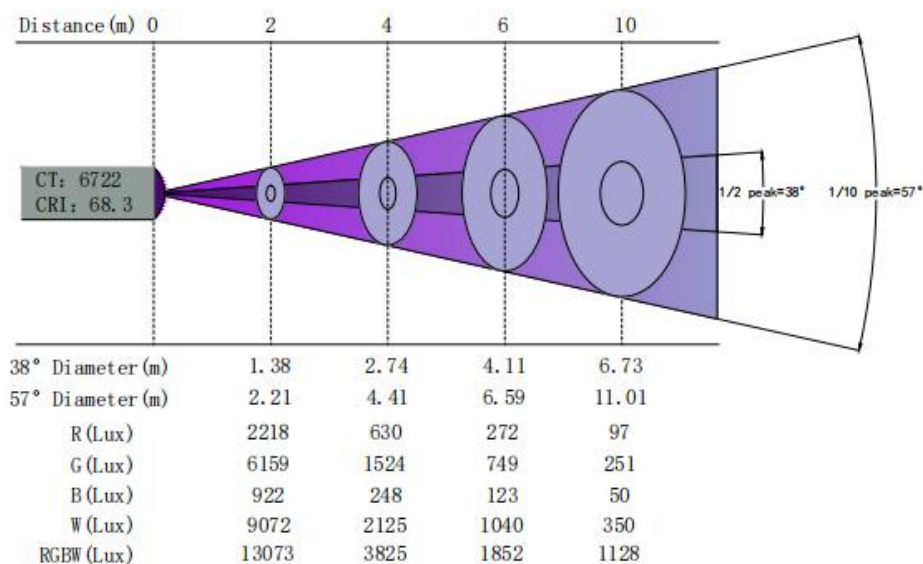
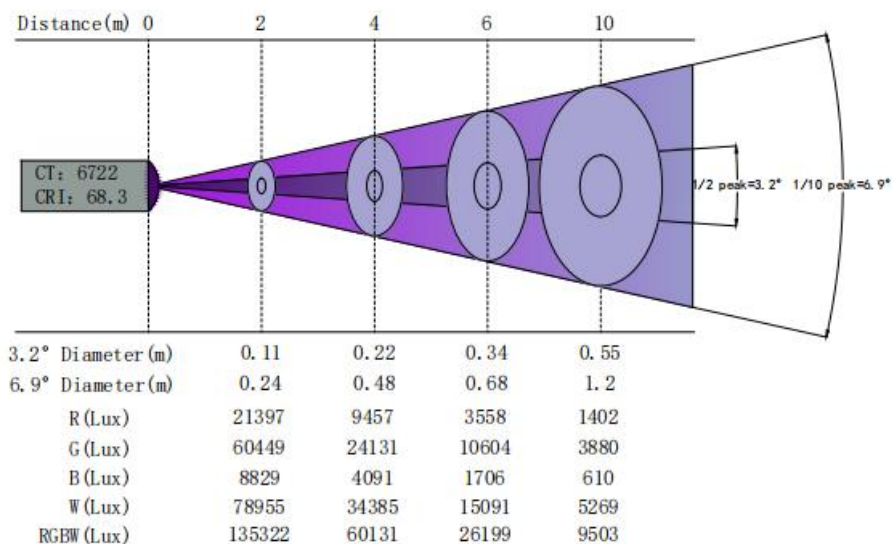
Product size: 416*282*504mmmm

N. W:15.2KG

Product dimension:

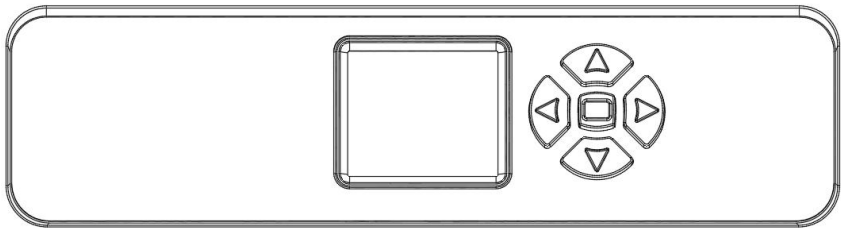


Illuminance:



3 Board Instruction

Display:



Menu:--need to updated, don't check this menu now!1 !

ADDR	Chan	001-512
	Prev	Previous device
	Next	Next device
MODE	Mode select	Atuo/DMX
	M/S mode	Master/Slave
	Dime mode	Mode1/Mode2/Mode3/Off
	Fan mode	Height/Low/Auto
DISP	Language	En/中文
	Screen Rot	Auto/Close/Open
	Screen Saver	On/Off
	DMX Indicate	Mode1/Mode2
	Screen Light	01-10
MANUAL	1.Pan	On/Off
	2.Pan fine	01-10
	3.Tilt	xx:xs
	4.Tilt fine	000-255
	5.XT speed	000-255
	6.Dimmer	000-255
	7.Strobe	000-255
	8.R1	000-255
	9.G1	000-255

		10.B1	000-255
		11.L2	000-255
		12.R2	000-255
		13.G2	000-255
		14.B2	000-255
		15.L2	000-255
		16.R3	000-255
		17.G3	000-255
		18.B3	000-255
		19.L3	000-255
		20.Zoom	000-255
		21.LED.EF	000-255
		22.LED.SP	000-255
		23.Effect	000-255
		24.Effect spd	000-255
		25.Eff dimmer	000-255
		26.Reset	000-255
		Channel	29/65CH
	SETUP	Pan Invert	On/Off
		Tile Invert	On/Off
		P/T Rectify	On/Off
		Data Hold	On/Off
		Reset	On/Off
		Factor Setting	On/Off
	STATE	Total time	
		Light_time	xxxx:xx
		Version	At.19.2
		Error-logging	
		Fixture_Status	
		Use_Limit	

4 DMX CHANNEL SHEET

28CH	Function	DMX value	Description
1	Red	0-255	Red dimmer -100%
2	Red fine	0-255	Red fine 16 bit
3	Green	0-255	Green dimmer -100%
4	Green fine	0-255	Green fine 16 bit
5	Blue	0-255	Blue dimmer -100%
6	Blue fine	0-255	Blue fine 16 bit
7	White	0-255	White dimmer -100%
8	White fine	0-255	White fine 16 bit
9	CTO adjust	0-255	Linear CTO adjustment
10	Marco	0-255	Color macro function
11	Strobe	0-3	Closed
		4-103	Synchronous strobe speed from slow to fast
		104-107	Open
		108-207	Equal strobe speed from slow to fast
		208-212	Open
		213-225	Low-speed random Strobe
		226-238	Medium-speed random Strobe
		239-251	High-speed random Strobe
		252-255	Open
12	Total dimmer	0-255	Dimmer 0-100%
13	Dimmer fine	0-255	Dimmer fine 16 bit
14	Pan	0-255	Pan movement range 540°
15	Pan fine	0-255	Pan movement 16 bit
16	Tilt	0-255	Pan movement range 270°

17	Tilt fine	0-255	Tilt fine 16 bit
18	Reserved	0-255	No function
19	Reset	0-239	No function
		240-255	Lamp reset for 5 seconds
20	Zoom	0-255	Angle from small to large
21	Lens rotation	0-127	0-60 degrees
		128-191	Rotating counterclockwise from fast to slow without limit
		192-255	Clockwise rotation, gradually increasing speed
22	Ring dimmer	0-255	Ring dimmer from dark to bright
23	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
24	Ring red	0-255	Ring red 0-100%
25	Ring green	0-255	Ring green 0-100%
26	Ring blue	0-255	Ring blue 0-100%
27	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)
28	Ring effect speed	0-255	Ring effect speed from slow to fast

30CH	Function	DMX value	Description
1	Pan	0-255	Pan movement range 540°
2	Pan fine	0-255	Pan fine 16 bit
3	Tilt	0-255	Pan movement range 270°
4	Tilt fine	0-255	Tilt fine 16 bit
5	X/Y speed	0-255	Speed from fast to slow
6	Zoom	0-255	angle from small to large

7	Rotation	0-127	0-60 degree
		128-191	Rotating counterclockwise from fast to slow without limit
		200-255	Clockwise rotation, gradually increasing speed
8	Total dimmer	0-255	Total dimmer 0-100%
9	Strobe	0-3	Open
		4-200	Synchronous strobe speed from slow to fast
		201-215	Low-speed random Strobe
		216-234	Medium-speed random Strobe
		235-255	High-speed random Strobe
10	Red	0-255	Red dimmer 0-100%
11	Green	0-255	Green dimmer 0-100%
12	Blue	0-255	Blue dimmer -100%
13	White	0-255	White dimmer -100%
14	CTO	0-255	Linear CTO adjustment
15	Wash	0-255	Built-in color gradient
16	Static effects	0-255	One effect for 5 numbers
17	Dynamic effects	0-255	One effect for 5 numbers
18	Dynamic effects speed	0-127	Positive effect from fast to slow
		128-255	Negative effect from slow to fast
19	Background Red	0-255	Linear dimming from dark to bright
20	Background Green	0-255	Linear dimming from dark to bright
21	Background Blue	0-255	Linear dimming from dark to bright

22	Background White	0-255	Linear dimming from dark to bright
23	Reset	0-239	No function
		240-255	Lamp reset for 5 seconds
24	Ring dimmer	0-255	Ring dimmer from dark to bright
25	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
26	Ring red	0-255	Ring red 0-100%
257	Ring green	0-255	Ring green 0-100%
28	Ring blue	0-255	Ring blue 0-100%
29	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)
30	Ring effect speed	0-255	Ring effect speed from slow to fast

42CH	Function	DMX value	Description
1	Red	0-255	Red dimmer -100%
2	Red fine	0-255	Red fine 16 bit
3	Green	0-255	Green dimmer -100%
4	Green fine	0-255	Green fine 16 bit
5	Blue	0-255	Blue dimmer -100%
6	Blue fine	0-255	Blue fine 16 bit
7	White	0-255	White dimmer -100%
8	White fine	0-255	White fine 16 bit
9	CTO	0-255	Linear CTO adjustment
10	Marco	0-255	Color macro function
11	Strobe	0-3	Closed

		4-103	Synchronous strobe speed from slow to fast
		104-107	Open
		108-207	Equal strobe speed from slow to fast
		208-212	Open
		213-225	Low-speed random Strobe
		226-238	Medium-speed random Strobe
		239-251	High-speed random Strobe
		252-255	Open
12	Total dimmer	0-255	Dimmer 0-100%
13	Dimmer fine	0-255	Dimmer fine 16 bit
14	Pan	0-255	Pan movement range 540°
15	Pan fine	0-255	Pan movement 16 bit
16	Tilt	0-255	Pan movement range 270°
17	Tilt fine	0-255	Tilt fine 16 bit
18	Function	0-255	Reserved
19	Reset	0-239	No function
		240-255	Lamp reset for 5 seconds
20	Zoom	0-255	Angle from small to large
21	Lens rotation	0-127	0-60 degrees
		128-191	Rotating counterclockwise from fast to slow without limit
		192-255	Clockwise rotation, gradually increasing speed
22	Pattern selection	0-255	Pattern Rotation
23	Pattern effect speed	0-255	Pattern effect speed control
24	Pattern effect faded	0-255	Pattern effect faded

25	Pattern Effect R	0-255	Pattern effect in red
26	Pattern Effect G	0-255	Pattern effect in green
27	Pattern Effect B	0-255	Pattern effect in blue
28	Pattern Effect W	0-255	Pattern effect in white
29	Pattern dimmer	0-255	Pattern dimmer 0-100%
30	Background dimmer	0-255	Background dimmer 0-100%
31	Pattern transition	0-255	Pattern variation control
32	Pattern angle adjustment	0-255	Pattern translation
33	Foreground strobe	0-255	Foreground strobe (same as channel 11)
34	Background strobe	0-255	Background strobe (same as channel 11)
35	Background selection	0-255	Background selection
36	Ring dimmer	0-255	Ring dimmer from dark to bright
37	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
38	Ring red	0-255	Ring red from dark to bright
39	Ring green	0-255	Ring green from dark to bright
40	Ring blue	0-255	Ring blue from dark to bright
41	Ring effect	0-51	No function

		52-255	Ring effect(four number per effect)
42	Ring effect speed	0-255	Ring effect speed from slow to fast

85CH	Function	DMX value	Description
1	Red	0-255	Red dimmer -100%
2	Red fine	0-255	Red fine 16 bit
3	Green	0-255	Green dimmer -100%
4	Green fine	0-255	Green fine 16 bit
5	Blue	0-255	Blue dimmer -100%
6	Blue fine	0-255	Blue fine 16 bit
7	White	0-255	White dimmer -100%
8	White fine	0-255	White fine 16 bit
9	CTO	0-255	Linear CTO adjustment
10	Marco	0-255	Color macro function
11	Strobe	0-3	Closed
		4-103	Synchronous strobe speed from slow to fast
		104-107	Open
		108-207	Equal strobe speed from slow to fast
		208-212	Open
		213-225	Low-speed random Strobe
		226-238	Medium-speed random Strobe
		239-251	High-speed random Strobe
		252-255	Open
12	Total dimmer	0-255	Dimmer 0-100%

13	Dimmer fine	0-255	Dimmer fine 16 bit
14	Pan	0-255	Pan movement range 540°
15	Pan fine	0-255	Pan movement 16 bit
16	Tilt	0-255	Pan movement range 270°
17	Tilt fine	0-255	Tilt fine 16 bit
18	Function	0-255	Functionality (24-37 effective)
19	Reset	0-250	No function
		251-255	Reset within 5 seconds
20	Zoom	0-255	Angle from small to large
21	Lens rotation	0-127	0-60 degrees
		128-191	Clockwise infinite rotation
		192-255	Counterclockwise infinite rotation
22	R1 dimmer	0-255	R1 dimmer
23	G1 dimmer	0-255	G1 dimmer
24	B1 dimmer	0-255	B1 dimmer
25	R2 dimmer	0-255	R2 dimmer
26	....	0-255	...
76	R19 dimmer	0-255	R19 dimmer
77	G19 dimmer	0-255	G19 dimmer
78	B19 dimmer	0-255	B19 dimmer
79	Ring dimmer	0-255	Ring dimmer from dark to bright
80	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
81	Ring red	0-255	Ring red from dark to bright
82	Ring green	0-255	Ring green from dark to bright
83	Ring blue	0-255	Ring blue from dark to bright
84	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)

85	Ring effect speed	0-255	Ring effect speed from slow to fast
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99CH	Function	DMX value	Description
1	Red	0-255	Red dimmer -100%
2	Red fine	0-255	Red fine 16 bit
3	Green	0-255	Green dimmer -100%
4	Green fine	0-255	Green fine 16 bit
5	Blue	0-255	Blue dimmer -100%
6	Blue fine	0-255	Blue fine 16 bit
7	White	0-255	White dimmer -100%
8	White fine	0-255	White fine 16 bit
9	CTO	0-255	Linear CTO adjustment
10	Marco	0-255	Color macro function
11	Strobe	0-3	Closed
		4-103	Synchronous strobe speed from slow to fast
		104-107	Open
		108-207	Equal strobe speed from slow to fast
		208-212	Open
		213-225	Low-speed random Strobe
		226-238	Medium-speed random Strobe
		239-251	High-speed random Strobe
		252-255	Open
12	Total dimmer	0-255	Dimmer 0-100%
13	Dimmer fine	0-255	Dimmer fine 16 bit
14	Pan	0-255	Pan movement range 540°
15	Pan fine	0-255	Pan movement 16 bit

16	Tilt	0-255	Pan movement range 270°
17	Tilt fine	0-255	Tilt fine 16 bit
18	Function	0-255	Reserved
19	Reset	0-239	No function
		240-255	Hold for 5 seconds to reset
20	Zoom	0-255	Angle from small to large
21	Lens rotation	0-127	0-60 degrees
		128-191	Clockwise infinite rotation
		192-255	Counterclockwise infinite rotation
22	Pattern selection	0-255	Pattern Rotation
23	Pattern effect speed	0-255	Pattern effect speed control
24	Pattern effect faded	0-255	Pattern effect faded
25	Pattern Effect R	0-255	Pattern effect in red
26	Pattern Effect G	0-255	Pattern effect in green
27	Pattern Effect B	0-255	Pattern effect in blue
28	Pattern Effect W	0-255	Pattern effect in white
29	Pattern dimmer	0-255	Pattern dimmer 0-100%
30	Background dimmer	0-255	Background dimmer 0-100%
31	Pattern transition	0-255	Pattern variation control
32	Pattern angle	0-255	Pattern translation

	adjustment		
33	Foreground strobe	0-255	Foreground strobe (same as channel 11)
34	Background strobe	0-255	Background strobe (same as channel 11)
35	Background selection	0-255	Background selection
36	LED1 red	0-255	LED1 red dimmer
37	LED1 green	0-255	LED1 green dimmer
38	LED1 blue	0-255	LED1 blue dimmer
....	.....	0-255	.....
....	.....	0-255	.....
90	LED19 red	0-255	LED19 red dimmer
91	LED19 green	0-255	LED19 green dimmer
92	LED19 blue	0-255	LED19 blue dimmer
93	Ring dimmer	0-255	Ring dimmer from dark to bright
94	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
95	Ring red	0-255	Ring red from dark to bright
96	Ring green	0-255	Ring green from dark to bright
97	Ring blue	0-255	Ring blue from dark to bright
98	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)
99	Ring effect speed	0-255	Ring effect speed from slow to fast

104CH	Function	DMX value	Description
1	Red	0-255	Red dimmer -100%
2	Red fine	0-255	Red fine 16 bit
3	Green	0-255	Green dimmer -100%
4	Green fine	0-255	Green fine 16 bit
5	Blue	0-255	Blue dimmer -100%
6	Blue fine	0-255	Blue fine 16 bit
7	White	0-255	White dimmer -100%
8	White fine	0-255	White fine 16 bit
9	CTO	0-255	Linear CTO adjustment
10	Marco	0-255	Color macro function
11	Strobe	0-3	Closed
		4-103	Synchronous strobe speed from slow to fast
		104-107	Open
		108-207	Equal strobe speed from slow to fast
		208-212	Open
		213-225	Low-speed random Strobe
		226-238	Medium-speed random Strobe
		239-251	High-speed random Strobe
		252-255	Open
12	Total dimmer	0-255	Dimmer 0-100%
13	Dimmer fine	0-255	Dimmer fine 16 bit
14	Pan	0-255	Pan movement range 540°
15	Pan fine	0-255	Pan movement 16 bit
16	Tilt	0-255	Pan movement range 270°
17	Tilt fine	0-255	Tilt fine 16 bit
18	Reserved	0-255	No function
19	Reset	0-239	No function

		240-255	Reset effective for 5 seconds
20	Zoom	0-255	Angle from small to large
21	Lens rotation	0-127	0-60 degrees
		128-191	Rotating counterclockwise from fast to slow without limit
		192-255	Clockwise rotation from slow to fast without limit
22	R1 dimmer	0-255	R1 dimmer
23	G1 dimmer	0-255	G1 dimmer
24	B1 dimmer	0-255	B1 dimmer
25	W1 dimmer	0-255	W1 dimmer
...	....	0-255	...
...	....	0-255	...
94	R19 dimmer	0-255	R19 dimmer
95	G19 dimmer	0-255	G19 dimmer
96	B19 dimmer	0-255	B19 dimmer
97	W19 dimmer	0-255	W19 dimmer
98	Ring dimmer	0-255	Ring dimmer from dark to bright
99	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
100	Ring red	0-255	Ring red from dark to bright
101	Ring green	0-255	Ring green from dark to bright
102	Ring blue	0-255	Ring blue from dark to bright
103	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)
104	Ring effect speed	0-255	Ring effect speed from slow to fast

106CH	Function	DMX value	Description
1	Pan	0-255	Pan movement range 540°
2	Pan fine	0-255	Pan fine 16 bit
3	Tilt	0-255	Pan movement range 270°
4	Tilt fine	0-255	Tilt fine 16 bit
5	X/Y speed	0-255	Speed from fast to slow
6	Zoom	0-255	angle from small to large
7	Rotation	0-127	0-60 degree
		128-191	Stepless transition from fast to slow
		200-255	Stepless reverse rotation From slow to fast,
8	Total dimmer	0-255	Total dimmer 0-100%
9	Strobe	0-3	Open
		4-200	Synchronous strobe speed from slow to fast
		201-215	Low-speed random Strobe
		216-234	Medium-speed random Strobe
		235-255	High-speed random Strobe
10	Red	0-255	Red dimmer 0-100%
11	Green	0-255	Green dimmer 0-100%
12	Blue	0-255	Blue dimmer -100%
13	White	0-255	White dimmer -100%
14	CTO	0-255	Linear CTO adjustment
15	Wash	0-255	Built-in color gradient
16	Static effects	0-255	One effect for 5 numbers
17	Dynamic effects	0-255	One effect for 5 numbers
18	Dynamic effects	0-127	Positive effect from fast to slow
		128-255	Negative effect from slow to fast

	speed		
19	Background Red	0-255	Linear dimming from dark to bright
20	Background Green	0-255	Linear dimming from dark to bright
21	Background Blue	0-255	Linear dimming from dark to bright
22	Background White	0-255	Linear dimming from dark to bright
23	Reset	0-239	No function
		240-255	Lamp reset for 5 seconds
24	R1 LED	0-255	R1 led dimmer
25	G1 LED	0-255	G1 led dimmer
26	B1 LED	0-255	B1 led dimmer
27	W1 LED	0-255	W1 led dimmer
...	....	0-255	....
...	....	0-255	....
96	R19 LED	0-255	R19 led dimmer
97	G19 LED	0-255	G19 led dimmer
98	B19 LED	0-255	B19 led dimmer
99	W19 LED	0-255	W19 led dimmer
100	Ring dimmer	0-255	Ring dimmer from dark to bright
101	Ring strobe	0-4	Open
		5-250	Synchronous strobe from slow to fast
		251-255	Open
102	Ring red	0-255	Ring red 0-100%
103	Ring green	0-255	Ring green 0-100%
104	Ring blue	0-255	Ring blue 0-100%
105	Ring effect	0-51	No function
		52-255	Ring effect(four number per effect)
106	Ring effect	0-255	Ring effect speed from slow to fast

	speed		
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5 FIXED EQUIPMENT

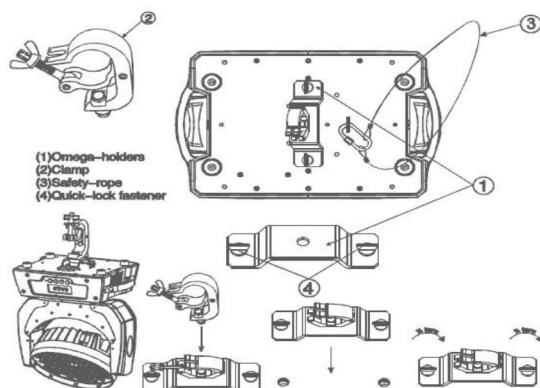
Please keep the equipment far away from the flammable objects like finishing material, etc. keep at least 0.5m distance from the flammable objects.

Warning: using two lamp clamps fix the equipment on the bottom of the lamp holder according to the instruction. to make sure the place of install the lamp is safe and suitable ,and the installation point that have chosen is safety and reliable.

The place of installing the lamp must support the 10 times weight of the lamp itself. And test the pensile place and make sure the place isn't out of the shape.

Must install the second protection when fixing the equipment like proper protective screening. The second protection is used to prevent drop off and lost of lamp and components.

Lamps can directly install the lamp holder , which is shown in the figure:



NWITC®

6 MAIN MACHINE CONNECTION

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

(EU)Wire	Wire(America)	Direction of wire	General marks
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚



Warranty Card

Name	Model
------	-------

Production	Purchase
------------	----------

End User
Company Name:
Add:

Sale Store
Link man:
Tel: Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1. If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

- (1) Without the effective warranty card
- (2) There's blank, alter and no point-of-sale name
- (3) Fail caused by unresistance
- (4) Fail caused by transportation or unloading
- (5) Fail caused by not operate by manual
- (6) Fail caused by disassemble without unauthorized
- (7) Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.