LEAHUA

Maris 7w

LH-M762

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

Guangzhou Leahua Lighting Technology Ltd
http:// www.leahualighting.com

Index

1. Safety Instructions 2
2. Appearance 3
3. Technical Specifications 4
4. Operation 7
4.1 Front panel operation: 7
4.2 Board instruction: 7
4.3 DMX address setting: 10
5. DMX Protocol 11
6. Installation 33
6.1 Mounting & Rigging 33
6.2 Power connection 34
6.3 DMX Control Connection 34
7. Maintenance & Cleaning 35
7.1 Cleaning 35
7.2 Lubrication 35
7.3 Troubleshooting 36

Accessories

Name	Quantity	Remark
User manual	1pc	
Folding clamp	1set	
Power cable	1pc	
DMX signal cable	1pc	
Safety cord	1pc	Optional

1. Safety Instructions

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

- Check before use

Before operation, inspect the fixture for transportation damage. Do not use it if damaged. Unauthorized modification or improper use is not covered by warranty.

- Environment

The fixture is IP65-rated, suitable for indoor/outdoor use, and can operate in humid or dusty areas. Keep it away from excessive heat, fire, vibration, electrical surges, and strong light.

- Personnel & operation

Installation and operation must be performed by qualified personnel. Ensure all covers are securely in place, wear protective gear, and do not open the housing or attempt self-maintenance.

- Optical safety

Do not look directly into the light source. Do not use with dimmer packs. Maintain a minimum distance of 20 m from illuminated surfaces, and replace damaged optical components immediately.

- Electrical safety

Ensure correct voltage, proper grounding, and compliant power cords. Do not use damaged cables, and unplug by holding the plug. Avoid operating under heavy rain or extreme humidity, and avoid frequent on/off switching.

- Installation

Use the safety cord through the provided safety holes. Keep at least 50 cm ventilation clearance and do not mount on flammable surfaces or aim the beam at combustible objects (minimum 20 m).

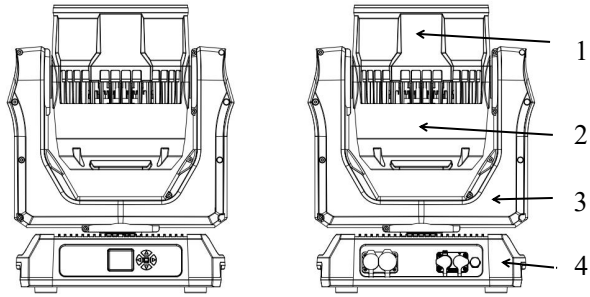
- Temperature & normal conditions

Housing temperature may reach 45–75° C during operation. Slight smoke or odor may occur at first ignition and is considered normal.

2. Appearance

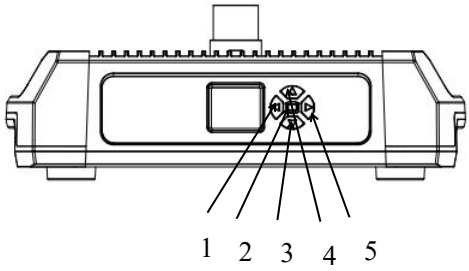
Front side & back side

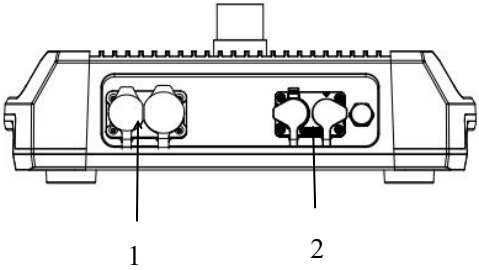
Front panel & rear panel



1. Head Cover
2. Rear Cover
3. Arm
4. Handle

1. Left key
2. Enter key
3. Down key
4. Right Key
5. Up Key





1. Waterproof power socket
2. Waterproof DMX3-pin in/out

3. Technical Specifications

Power

Input Voltage: AC90-260V 50/ 60Hz

Power Consumption: 350 W

Light source

Light Source:7×60W RGBL LED, 132×0.12W RGB LED

Variable CTO: 1000-13000K

Life expectancy: 20000Hrs(factory rated)

Zoom range

Zoom range:4.8°-56.2°

Control

Display: LCD display

Control mode:DMX512, master-slave, auto, sound, RDM

Channel:20/ 36/ 57/ 93/ CH

Dimming/Strobe

Dimming：0-100% linear dimming system

Strobe:1-20 F.P.S, Speed adjustable

Cooling System

Cooling System:Low noise and efficient fan cooling system

Other Function

Dynamic Effect: FX macros with control of foreground color, background color

Head movement

Pan/ Tilt: 540°/ 270° 16bit with auto position correction

Housing

Housing:Die-casting aluminum, nylon and glass fiber

Protection rate: IP65

Working temperature

Working temperature: -10℃-45℃

Connection

Power connection: Powercon in/out

DMX connection: DMX 3-pin in / out

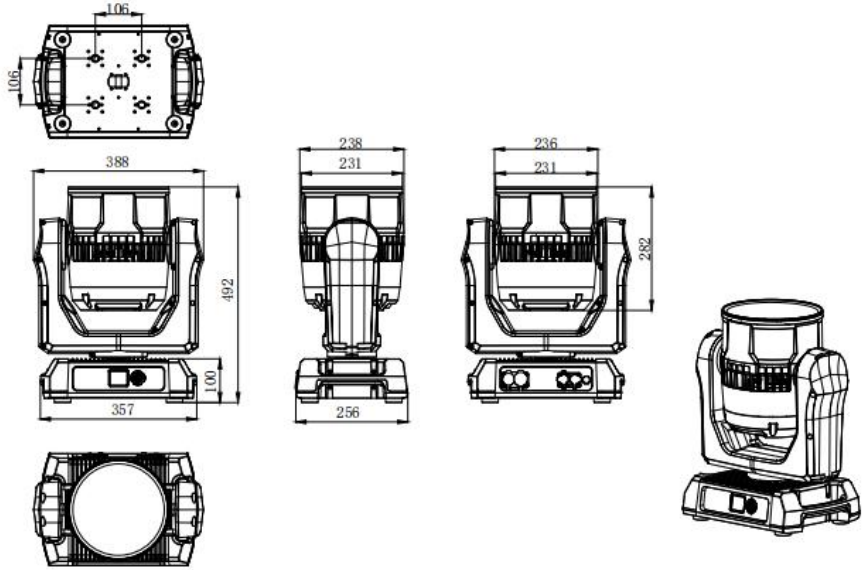
Product dimensions

388×252×492mm

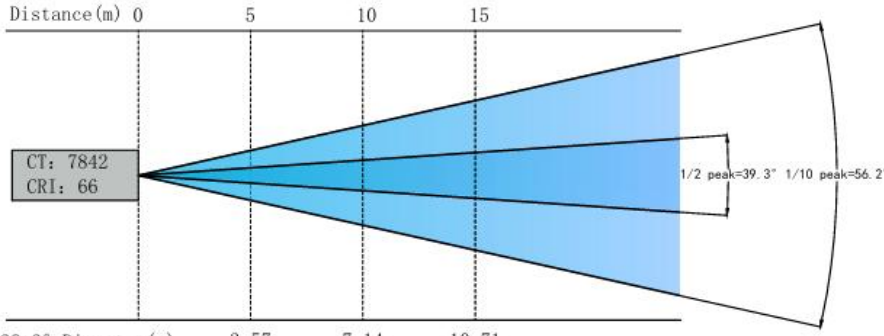
Net weight

15kg

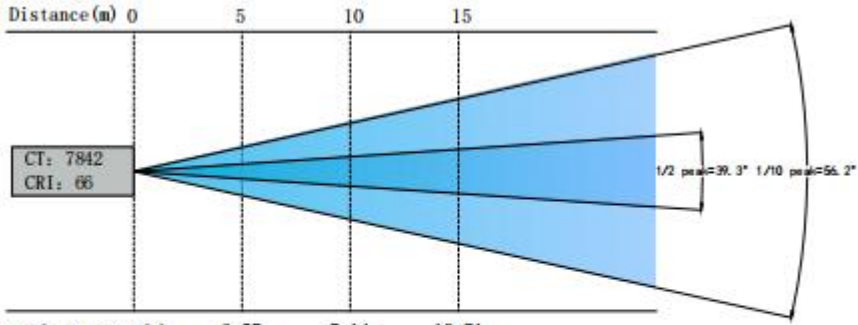
Dimensions:



Light output:



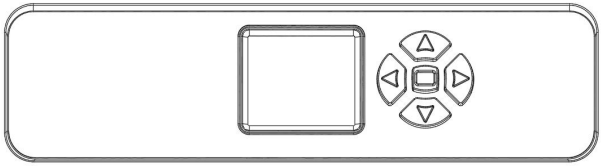
39.3° Diameter(m)	3.57	7.14	10.71
56.2° Diameter(m)	5.34	10.68	16.02
RGBW(Lux)	428.1	115.3	52
R(Lux)	90.6	24.8	10.5
G(Lux)	233	63.6	29.3
B(Lux)	40.7	10.8	4.8
W(Lux)	340.1	87.1	39.1



39.3° Diameter(m)	3.57	7.14	10.71
56.2° Diameter(m)	5.34	10.68	16.02
RGBW(Lux)	428.1	115.3	52
R(Lux)	90.6	24.8	10.5
G(Lux)	233	63.6	29.3
B(Lux)	40.7	10.8	4.8
W(Lux)	340.1	87.1	39.1

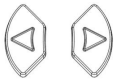
4. Operation

4.1 Front panel operation:



Enter

UP / DOWN



Left Key / Right Key

Enter	To enter into move backward or leave the menu
UP	To go backward to move up in the menu
DOWN	To go forward to move down in the menu
Left	To go backward to previous level
Right	To go forward to next level

Pressing any button from the home screen will show the selectable menu items from the menu map. When a menu function is selected, the display will immediately show the first available option for the selected menu function. To select a menu item, press <ENTER>.
Use the <UP> <DOWN> <Left> <Right> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option.

4.2 Board instruction:

DMX Addr	001-512

Channel mode	Dire-20/Comp-20/93/57/36	
Run Mode	DMX/Auto	
Reset Motor	Reset All	
	Pan/Tilt	
	Zoom	
Settings	Master/Remote	Master/Slave
	Dim Curve	S_curve/Square/Linear/Square Root
	Dim Speed	Fast/Slow
	Dim Frequency	1KHz/2KHz/3KHz/4KHz/6KHz/8KHz/10KHz/12KHz/14KHz/15KHz/16KHz/20KHz/25KHz/30KHz/32KHz
	Pan Reverse	Y/N
	Tilt Reverse	Y/N
	Pan Range	Start 000-255
		End 001-255
	Tilt Range	Start 000-255
		End 001-255
	Fan Control	Auto/Low/High
	Lost Signal	Dim Off/Keep
DMX Manual	Auto Exit	Never/10s/20s/30s/40s/60s/90s/120s/180s/300s
	Keep	Yes/No
	Pan	000-255
	Tilt	000-255
	Focus	000-255
	Dimmer	000-255
	Master Shutter	000-255
	Red	000-255
	Green	000-255
	Blue	000-255

	White	000-255	
	Macro	000-255	
	Macro Speed	000-255	
	Color Effect	000-255	
	Temperature	000-255	
	Aura Dimmer	000-255	
	Auxiliary Shutter	000-255	
	Aura Red	000-255	
	Aura Green	000-255	
	Aura Blue	000-255	
	Aura Color	000-255	
	Aura Temperature	000-255	
	Aura Speed	000-255	
Adv.Settings	Fine Adj.		
	Fine Adj Assist	Clear Local/Show Backup	
	Display Settings	Sleep	30Sec/No/120Sec/60Sec
		Invert	Y/N
		Display	On/Off
	Language	English/中文	
	Recover Setting		
Factory Settings			
Info	DMX Monitor	DMX Value(Raw) 001-032	
		DMX Value(Raw) 033-036	
		FPS	
		Total Chns	
	Test		
	LED Usage Time	Current xxxxxMin	
		Total xxxxxHour	
		Clear	
	Error		

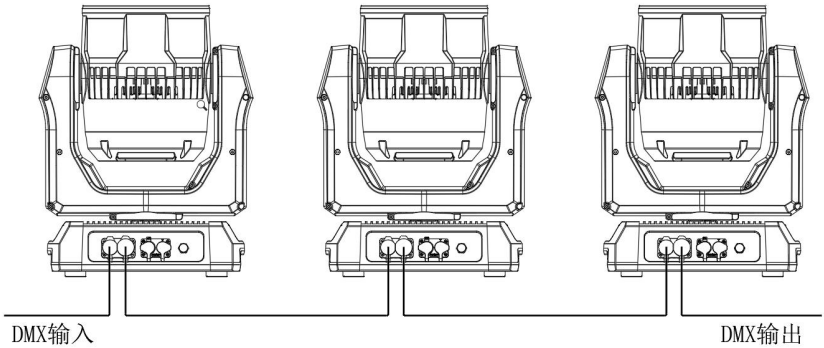
	Product Code	

4.3 DMX address setting:

Each fixture must be assigned a unique DMX start address within the 001 – 512 range. The start address represents the first channel the fixture occupies. This product provides four DMX modes (20/ 36/ 57/ 93/ CH channels); therefore, the next fixture's start address must be calculated according to the number of channels used in the selected mode to avoid overlapping addresses.

For example, when operating in 20-channel mode, set Fixture 1 to 001, Fixture 2 to 021, Fixture 3 to 041, Fixture 4 to 061 etc.

DMX Mode	Fixture1	Fixture2	Fixture3	Fixture4	...
20CH	001	21	41	61	...
36CH	001	37	73	109	...
57	001	58	115	172	...
93	001	94	187	280	...



5. DMX Protocol

20CH	36CH	57CH	93CH	DMX Value	Function
1	1	1	1		**Strobe/shutter effect**
				0 - 19	Close
				20 - 49	Open
				50 - 200	Strobe effect from slow to fast
				201 - 210	Open
				211 - 255	Random strobe effect from slow to fast
2	2	2	2		**Dimmer**
				0-255	Dimming 0-100%
2	2	2	3		**Dimmer fine**
				0-255	Fine dimming
4	4	4	4		**Red dimming**
				0-255	Red dimming 0-100%
5	5	5	5		**Red dimming fine**
				0-255	Red dimming fine
6	6	6	6		**Green dimming**
				0-255	Green dimming 0-100%
7	7	7	7		**Green dimming fine**
				0-255	Green dimming fine

8	8	8	8		**Blue dimming**
				0-255	Blue dimming 0-100%
9	9	9	9		**Blue dimming fine**
				0-255	Blue dimming fine
10	10	10	10		**CTC – 1000 K to 12 850 K in 50 K steps**
				0 - 18	1000 K
				19	1050 K
				...	...
				127	6450 K
				128	6500 K
				129	6550 K
				...	...
				255	12 850 K
11	11	11	11		**Green-Magenta Shift (Tint)**
				0 - 126	Shift towards magenta / negative Duv
					(0 is maximum offset from black body curve) No shift (on black body curve)
				127 - 128	No shift (on black body curve)
				129 - 255	Shift towards green / positive Duv

					(255 is maximum offset from black body curve)
12	12	12	12		**Virtual color wheel**
					Indexing, solid colors
				0 -10	Open
				11	Moroccan pink (Lee 790)
				13	Pink (Lee 157)
				15	Special rose pink (Lee 332)
				17	Follies pink (Lee 328)
				19	Fuchsia pink (Lee 345)
				21	Surprise pink (Lee 194)
				23	Congo blue (Lee 181)
				25	Tokyo blue (Lee 071)
				27	Deep blue (Lee 120)
				29	Just blue (Lee 079)
				31	Medium blue (Lee 132)
				33	Double CT blue (Lee 200)
				35	Slate blue (Lee 161)
				37	Full CT blue (Lee 201)

				39	Half CT blue (Lee 202)
				41	Steel blue (Lee 117)
				43	Lighter blue (Lee 353)
				45	Light blue (Lee 118)
				47	Medium blue green (Lee 116)
				49	Dark green (Lee 124)
				51	Primary green (Lee 139)
				53	Moss green (Lee 089)
				55	Fern green (Lee 122)
				57	Jas green (Lee 738)
				59	Lime green (Lee 088)
				61	Spring yellow (Lee 100)
				63	Deep amber (Lee 104)
				65	Chrome orange (Lee 179)
				67	Orange (Lee 105)
				69	Gold amber (Lee 021)
				71	Millennium gold (Lee 778)
				73	Deep golden amber (Lee 135)

				75	Flame red (Lee 164)
				77	Red magenta
				79	Medium lavender
				81	Pure white
				83	Pure red
				85	Pure Yellow
				87	Pure green
				89	Pure Cyan
				91	Pure Blue
				93	Pure Magenta
				95	Peacock blue (LEE 115)
				97	Dark lavender (LEE 180)
				99	Double CT orange (LEE 287)
				101	Full CT orange (LEE 204)
				103	Half CT orange (LEE 205)
				105	Deep Straw (LEE 015)
				107- 190	No function
					Continuous rotation
				191 - 214	CW, fast → slow
				215 - 219	Stop (wheel stops at current position)

				220 - 243	CCW slow → fast
					Random colors
				244 - 247	Fast
				248 - 251	Medium
				252 - 255	Slow
13	13	13	13		**Zoom**
				0-255	Zoom 0-100%
14	14	14	14		**Zoom fine**
				0-255	Fine zooming
15	15	15	15		**Pan**
				0-255	Pan movement 0-540°
16	16	16	16		**Pan fine**
				0-255	Pan fine 0-2°
17	17	17	17		**Tilt**
				0-255	Tilt movement 0-270°
18	18	18	18		**Tilt fine**
				0-255	Tilt fine 0-1°
19	19	19	19		**Fixture control/settings**
					(hold for number of seconds indicated to activate)
				0 - 9	Exit calibration adjustment and return to normal control – 5 sec.

				10-14	Reset entire fixture – 5 sec.
				15 - 16	No function
				17	Reset beam only – 5 sec.
				18	Reset pan and tilt only – 5 sec.
				19 - 22	No function
				23	***Linear dimming curve – 1 sec.***
					(menu override, setting unaffected by power off/on)
				24-255	No function
20	20	20	20		**LED frequency**
				0 - 127	Adjustment in steps from 2400 to 3000 Hz
				128	Default PWM frequency (3000 Hz)
				129 - 254	No function
				255	High-speed PWM Frequency Mode (24 000 Hz)
*	21	21	21		**Beam P3 Mix(DMX Mode)**
				0 - 26	Intensity and colors fully controlled by DMX, P3 pixel data ignored Mixed Mode

				27	Output fully controlled by DMX (P3 pixel data ignored)
				28 - 227	Progressive crossfade from DMX to P3 control
				228	Output fully controlled by P3 (DMX data ignored)
				229 - 255	***Video Mode***
					P3 pixel control with DMX superimposed (DMX channels 'color' the P3 pixel data)
*	22	22	22		**FX1 selection**
				0	No effect
				1 - 255	Effect selection (adjust speed and direction on channel 23)
*	23	23	23		**FX1 speed and direction**
				0 - 126	Effect reversed from fast to slow
				127 - 129	Effect stops
				130 - 255	Effect forward from slow to fast
*	24	24	24		**FX2 selection**
				0	No effect

				1 - 255	Effect selection (adjust speed and direction on channel 25)
*	25	25	25		**FX2 speed and direction**
				0 - 126	Effect reversed from fast to slow
				127 - 129	Effect stops
				130 - 255	Effect forward from slow to fast
*	26	26	26		**FX synchronization**
				0	No sync
				1	Offset shift 10°
				2	Offset shift 20°
				3	Offset shift 30°
				4	Offset shift 40°
				5	Offset shift 50°
				6	Offset shift 60°
				7	Offset shift 70°
				8	Offset shift 80°
				9	Offset shift 90°
				10	Offset shift 100°
				11	Offset shift 110°
				12	Offset shift 120°
				13	Offset shift 130°
				14	Offset shift 140°
				15	Offset shift 150°

				16	Offset shift 160°
				17	Offset shift 170°
				18	Offset shift 180°
				19	Offset shift 190°
				20	Offset shift 200°
				21	Offset shift 210°
				22	Offset shift 220°
				23	Offset shift 230°
				24	Offset shift 240°
				25	Offset shift 250°
				26	Offset shift 260°
				27	Offset shift 270°
				28	Offset shift 280°
				29	Offset shift 290°
				30	Offset shift 300°
				31	Offset shift 310°
				32	Offset shift 320°
				33	Offset shift 330°
				34	Offset shift 340°
				35	Offset shift 350°
				36	Synchronized: all fixtures start FX cycles at same time
				37 - 100	No function

				101 - 120	Random start (Channel 23 controls overall speed)
				121 - 140	Random duration
				141 - 255	No function
*	27	27	27		**Aura strobe shutter**
				0 - 19	Close
				20 - 49	Open
				50 - 200	Strobe effect from slow to fast
				201 - 210	Open
				211 - 255	Random strobe effect from slow to fast
*	28	28	28		**Aura dimmer**
				0-255	Aura dimming 0-100%
*	29	29	29		**Aura dimmer fine**
				0-255	Fine dimming
*	30	30	30		**Aura red dimmer**
				0 - 255	Aura red dimmer 0 - 100%
*	31	31	31		**Aura green dimmer**
				0 - 255	Aura green dimmer 0 - 100%
*	32	32	32		**Aura blue dimmer**

				0 - 255	Aura blue dimmer 0 - 100%
*	33	33	33		**Aura CTC – 1000 K to 12 850 K in 50 K steps**
				0 - 18	1000 K
				19	1050 K
				...	...
				127	6450 K
				128	6500 K
				129	6550 K
				...	...
				255	12 850 K
*	34	34	34		**Aura Green-Magenta shift (tint)**
				0 - 126	Shift towards Magenta / negative Duv (0 = max. offset from black body curve)
				127 - 128	No shift on black body curve
				129 - 255	Shift towards Green / positive Duv (255 = max. offset from black body curve)
*	35	35	35		**Aura virtual color wheel Indexing, solid colors**
				0 -10	Open

				11	Moroccan pink (Lee 790)
				13	Pink (Lee 157)
				15	Special rose pink (Lee 332)
				17	Follies pink (Lee 328)
				19	Fuchsia pink (Lee 345)
				21	Surprise pink (Lee 194)
				23	Congo blue (Lee 181)
				25	Tokyo blue (Lee 071)
				27	Deep blue (Lee 120)
				29	Just blue (Lee 079)
				31	Medium blue (Lee 132)
				33	Double CT blue (Lee 200)
				35	Slate blue (Lee 161)
				37	Full CT blue (Lee 201)
				39	Half CT blue (Lee 202)
				41	Steel blue (Lee 117)
				43	Lighter blue (Lee 353)
				45	Light blue (Lee 118)

				47	Medium blue green (Lee 116)
				49	Dark green (Lee 124)
				51	Primary green (Lee 139)
				53	Moss green (Lee 089)
				55	Fern green (Lee 122)
				57	Jas green (Lee 738)
				59	Lime green (Lee 088)
				61	Spring yellow (Lee 100)
				63	Deep amber (Lee 104)
				65	Chrome orange (Lee 179)
				67	Orange (Lee 105)
				69	Gold amber (Lee 021)
				71	Millennium gold (Lee 778)
				73	Deep golden amber (Lee 135)
				75	Flame red (Lee 164)
				77	Red magenta
				79	Medium lavender
				81	Pure white
				83	Pure red

				85	Pure yellow
				87	Pure green
				89	Pure cyan
				91	Pure blue
				93	Pure magenta
				95	Peacock blue (LEE 115)
				97	Dark lavender (LEE 180)
				99	Double CT orange (LEE 287)
				101	Full CT orange (LEE 204)
				103	Half CT orange (LEE 205)
				105	Deep Straw (LEE 015)
				107 - 190	No function
					Continuous rotation
				191 - 214	CW, fast → slow
				215 - 219	Stop (wheel stops at current color)
				220 - 243	CCW slow → fast
					Random colors
				244 - 247	Fast
				248 - 251	Medium Slow
				252 - 255	Slow

*	36	36	36		**Aura P3 Mix**
					DMX Mode
				0 - 26	Output fully controlled by DMX (P3 pixel data ignored)
				27	Mixed Mode
				28 - 227	Output fully controlled by DMX (P3 pixel data ignored)
				228	Progressive crossfade from DMX to P3 control
					Output fully controlled by P3 (DMX data ignored)
				229 - 255	***Video Mode***
					P3 pixel control with DMX superimposed (DMX channels 'color' the P3 pixel data)
*	*	37	37		**Pixel 1 red**
				0 - 255	Pixel 1 red 0 - 100%
*	*	38	38		**Pixel 1 green**
				0 - 255	Pixel 1 green 0 - 100%
*	*	39	39		**Pixel 1 blue**
				0 - 255	Pixel 1 blue 0 - 100%

*	*	40	40		**Pixel 2 red**
				0 - 255	Pixel 2 red 0 - 200%
*	*	41	41		**Pixel 2 green**
				0 - 255	Pixel 2 green 0 - 200%
*	*	42	42		**Pixel 2 blue**
				0 - 255	Pixel 2 blue 0 - 200%
*	*	43	43		**Pixel 3 red**
				0 - 255	Pixel 3 red 0 - 300%
*	*	44	44		**Pixel 3 green**
				0 - 255	Pixel 3 green 0 - 300%
*	*	45	45		**Pixel 3 blue**
				0 - 255	Pixel 3 blue 0 - 300%
*	*	46	46		**Pixel 4 red**
				0 - 255	Pixel 4 red 0 - 400%
*	*	47	47		**Pixel 4 green**
				0 - 255	Pixel 4 green 0 - 400%
*	*	48	48		**Pixel 4 blue**
				0 - 255	Pixel 4 blue 0 - 400%
*	*	49	49		**Pixel 5 red**
				0 - 255	Pixel 5 red 0 - 500%
*	*	50	50		**Pixel 5 green**

				0 - 255	Pixel 5 green 0 - 500%
*	*	51	51		**Pixel 5 blue**
				0 - 255	Pixel 5 blue 0 - 500%
*	*	52	52		**Pixel 6 red**
				0 - 255	Pixel 6 red 0 - 600%
*	*	53	53		**Pixel 6 green**
				0 - 255	Pixel 6 green 0 - 600%
*	*	54	54		**Pixel 6 blue**
				0 - 255	Pixel 6 blue 0 - 600%
*	*	55	55		**Pixel 7 red**
				0 - 255	Pixel 7 red 0 - 700%
*	*	56	56		**Pixel 7 green**
				0 - 255	Pixel 7 green 0 - 700%
*	*	57	57		**Pixel 7 blue**
				0 - 255	Pixel 7 blue 0 - 700%
*	*	*	58		**Filament 1 red**
				0 - 255	Filament 1 red 0 - 100%
*	*	*	59		**Filament 1 green**
				0 - 255	Filament 1 green 0 - 100%
*	*	*	60		**Filament 1 blue**

				0 - 255	Filament 1 blue 0 - 100%
*	*	*	61		**Filament 2 red**
				0 - 255	Filament 2 red 0 - 200%
*	*	*	62		**Filament 2 green**
				0 - 255	Filament 2 green 0 - 200%
*	*	*	63		**Filament 2 blue**
				0 - 255	Filament 2 blue 0 - 200%
*	*	*	64		**Filament 3 red**
				0 - 255	Filament 3 red 0 - 300%
*	*	*	65		**Filament 3 green**
				0 - 255	Filament 3 green 0 - 300%
*	*	*	66		**Filament 3 blue**
				0 - 255	Filament 3 blue 0 - 300%
*	*	*	67		**Filament 4 red**
				0 - 255	Filament 4 red 0 - 400%
*	*	*	68		**Filament 4 green**
				0 - 255	Filament 4 green 0 - 400%
*	*	*	69		**Filament 4 blue**
				0 - 255	Filament 4 blue 0 - 400%
*	*	*	70		**Filament 5 red**

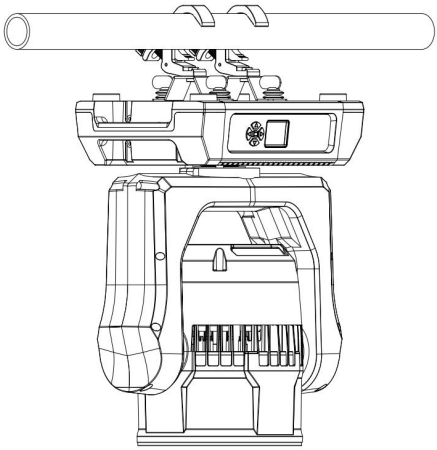
				0 - 255	Filament 5 red 0 - 500%
*	*	*	71		**Filament 5 green**
				0 - 255	Filament 5 green 0 - 500%
*	*	*	72		**Filament 5 blue**
				0 - 255	Filament 5 blue 0 - 500%
*	*	*	73		**Filament 6 red**
				0 - 255	Filament 6 red 0 - 600%
*	*	*	74		**Filament 6 green**
				0 - 255	Filament 6 green 0 - 600%
*	*	*	75		**Filament 6 blue**
				0 - 255	Filament 6 blue 0 - 600%
*	*	*	76		**Filament 7 red**
				0 - 255	Filament 7 red 0 - 700%
*	*	*	77		**Filament 7 green**
				0 - 255	Filament 7 green 0 - 700%
*	*	*	78		**Filament 7 blue**
				0 - 255	Filament 7 blue 0 - 700%
*	*	*	79		**Filament 8 red**
				0 - 255	Filament 8 red 0 - 800%
*	*	*	80		**Filament 8 green**

				0 - 255	Filament 8 green 0 - 800%
*	*	*	81		**Filament 8 blue**
				0 - 255	Filament 8 blue 0 - 800%
*	*	*	82		**Filament 9 red**
				0 - 255	Filament 9 red 0 - 900%
*	*	*	83		**Filament 9 green**
				0 - 255	Filament 9 green 0 - 900%
*	*	*	84		**Filament 9 blue**
				0 - 255	Filament 9 blue 0 - 900%
*	*	*	85		**Filament 10 red**
				0 - 255	Filament 10 red 0 - 1000%
*	*	*	86		**Filament 10 green**
				0 - 255	Filament 10 green 0 - 1000%
*	*	*	87		**Filament 10 blue**
				0 - 255	Filament 10 blue 0 - 1000%
*	*	*	88		**Filament 11 red**
				0 - 255	Filament 11 red 0 - 1100%
*	*	*	89		**Filament 11 green**
				0 - 255	Filament 11 green 0 - 1100%
*	*	*	90		**Filament 11 blue**

				0 - 255	Filament 11 blue 0 - 1100%
*	*	*	91		**Filament 12 red**
				0 - 255	Filament 12 red 0 - 1200%
*	*	*	92		**Filament 12 green**
				0 - 255	Filament 12 green 0 - 1200%
*	*	*	93		**Filament 12 blue**
				0 - 255	Filament 12 blue 0 - 1200%

6. Installation

6.1 Mounting & Rigging



Mounting & Rigging

- Attach Mounting Hardware

Install the 2 × ¼-turn quick-lock Omega brackets to the base, then secure suitable rated C- or O-clamps to the brackets.

- Position and Rig the Fixture

Mount the fixture onto a stable truss or structure using clamps rated to hold at least 10× the fixture's weight.

Always lift the fixture using the handles—not the clamps.

- Install the Safety Cable

Run the safety cable through the two safety-cable holes on the base and secure it to an independent safety point.

Ensure the safety cable is rated for 10× the fixture's weight.

- Ensure Ventilation

Verify that fans and ventilation openings are unobstructed and that sufficient space is available around the fixture.

- Lock / Unlock Pan & Tilt

Lock Pan and Tilt before moving the fixture.
Unlock them before powering on.
Never operate the fixture while Pan/Tilt is locked.

- Final Stability Check

Ensure all clamps, screws, and safety cable connections are firmly secured, and confirm the mounting structure can support the fixture's weight.

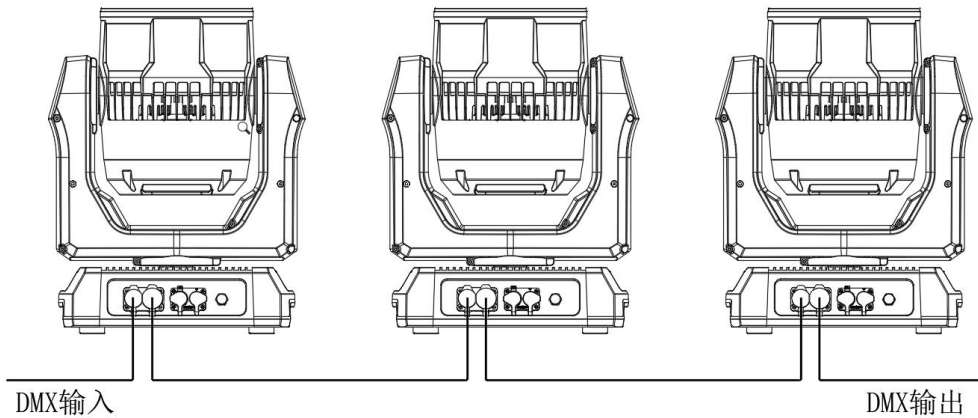
6.2 Power connection

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	⏚

6.3 DMX Control Connection

This fixture supports DMX512 (1990) control protocol and is equipped with 3-pin XLR connectors for data input and output. Use a twin-screened DMX cable with conductors of at least 0.5 mm^2 , ensuring correct wiring for the selected connector type.
Connect the controller's DMX OUT to the first fixture's DMX IN, then link fixtures DMX OUT → DMX IN in a daisy-chain. For optimal signal integrity, install a **DMX terminator** on the DMX OUT of the final fixture.
Ensure no pin makes contact with the connector housing or other pins.
Before use, test cables with an ohm meter to verify correct polarity and to ensure no pins or shield are shorted to ground, as this may result in data errors or unstable operation.
For convenience, connect fixtures in the physical order they are installed, rather than by DMX address sequence.



7. Maintenance & Cleaning

Regular maintenance is essential to ensure optimal performance and extend the service life of the fixture.

7.1 Cleaning

Disconnect the unit from power before any cleaning work.
Use a soft, lint-free cloth slightly dampened with mild detergent to clean the exterior surfaces.
Gently remove dust from ventilation slots, optical lenses, and cooling components using compressed air or a soft brush.
Avoid using solvents, alcohol, or abrasive materials that may damage the housing or optical elements.

7.2 Lubrication

This fixture is designed with sealed or maintenance-free moving parts. Under normal operating conditions, no additional lubrication is required.

If abnormal noise or movement resistance is observed, contact qualified service personnel before applying any lubricant.

7.3 Troubleshooting

If the fixture does not power on, verify the power supply, cables, and connectors.

For control issues, check DMX addressing, cable integrity, and ensure proper 3-pin/5-pin XLR connections.

Overheating or unexpected shutdown may indicate blocked ventilation; inspect and clean air inlets and outlets.

If problems persist after basic checks, discontinue use and contact authorized service technicians.

LEAHUA

Guangzhou Leahua Lighting Technology Ltd

Rm 1004, Building A
Baiyun Lake Future Technology Center
No,1 Xinghu Street, Shimen, Baiyun district
Guangzhou 510440, China