



FOS Meteor

User Manual



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

1 SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to people, 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.
- Keep away from the liquid substance and humid environment.
- Before using the lights, good grounding must be ensured, cannot install charging and remove any parts.
- The installation of fixtures must be fixed screw fasteners with additional security cable and regular inspection.
- Fixtures on consecutive working hours are not recommended to be more than 10 hours.
- The fixture must shut off if unusual conditions occur during the operation.
- Fixture parts of the rotation, external accessories and greased parts should be regularly inspected, to avoid malfunctions and achieve the longevity of the fixture's life.
- Fixtures with forced air-cooling systems can accumulate dust easily, so you must clean it weekly especially the cooling air opening. Concentrated dust and dirt can cause malfunctions.

2 TECHNICAL SPECIFICATIONS

- Input Voltage: 100-240V, 50/60Hz
- Power Consumption: 620W
- Main Light source: 5 x 120W RGBL 4in1 LEDs, each led pixel control.
- Outer Circle: 120 x 0.5W RGB 3in1 LEDs, 3leds section control.
- Zoom Angles: 3.5°-30°
- CTC: 7100K±100K
- CRI: 75
- Illuminance: 3640 lx @10m(beam); 98 lx @10m(wash)
- Dimmer: 0-100% linear dimmer, 16bit
- Strobe: 0-20hz, speed adjustable
- Control Mode: DMX512, Auto, Master/slave, RDM
- Channels: 21CH/41CH /71CH/75CH/85CH/170CH
- Display: LCD display, 4x pcs touch buttons control
- IP rate: IP20
- Pan Movement: 59°, 16bit, each head movement individual.
- Tilt Movement: 221°, 16bit, each head movement individual.
- Power connector: PowerCon in out
- Signal connector: XLR 3pin in out+5pin in out

3 MENU LAYOUT

DMX Address	001 - 512	
Fixture	Channel Mode	21CH/41CH /71CH/75CH/85CH/170CH
	Run Mode	DMX / Auto
	Tilt Invert	Open/Close
	Pan Invert	On / Off
	Fan Speed	Low/ Normal/High/Quiet
	Dim Curve	Linear / S Curve / Square/ Inv SQ
	Dim Speed	Smooth/Fast
	No DMX status	Clear/Keep
	LED Refresh	900Hz//5000Hz/...../15KHz/20KHz/25KHz
	LED order	1-5, close
Manual	Pan	000 - 255
	Pan fine	000 - 255
	Tilt	000 - 255
	Tilt fine	000 - 255

	Time	Current Time: xxxxxH
		Total Time: xxxxxH
		Power Count: xxxxxC
	Sensor	
	Temperature	Head 1 Temp

Information		Head 2 Temp
		Head 3 Temp
		Head 4 Temp
		Head 5 Temp
	Software Version	
		Dimming version 1
		Dimming version 2
		Dimming version 3
		Dimming version 4
		Dimming version 5
Factory	Password	000 - 255
	Tilt1	000 - 255
	Pan 1	000 - 255
	Zoom1	000 - 255
	Tilt2	000 - 255
	Pan2	000 - 255
	Zoom2	000 - 255

Fixture Reset	Motor Reset	On/Off
	Factory	On/Off
Display	Language	En/中文
	Display Flip	No/Yes
	Display Mode	60s / Show
Network	Protocol	Artnet
	KlingNet	Disable

	Universe	000
	IP Address	
	Subnet Mask	

4 DMX CHANNEL LAYOUT

21CH	Function	41CH	Function	71CH	Function
1	Pan	1	Pan1	1	Pan 1
2	Pan Fine	2	Pan Fine1	2	Pan Fine 1
3	Tilt	3	Tilt1	3	Tilt 1
4	Tilt Fine	4	Tilt Fine1	4	Tilt Fine 1
5	Zoom	5	Zoom1	5	Main Red 1
6	Main Red	...	...	6	Main Green 1
7	Main Green	21	Pan5	7	Main Blue 1
8	Main Blue	22	Pan Fine5	8	Main Lemon 1
9	Main Lemon	23	Tilt5	9	Zoom1
10	Main CTO	24	Tilt Fine5	10	Ring Red 1
11	MainColorMacro	25	Zoom5	11	Ring Green 1
12	Ring Red	26	Main Red	12	Ring Blue 1
13	Ring Green	27	Main Green	13	Ring Effect 1
14	Ring Blue	28	Main Blue	...	...
15	Ring Effect	29	Main Lemon	53	Pan 5
16	Dimmer	30	Main CTO	54	Pan Fine 5
17	Dimmer Fine	31	Main ColorMacro	55	Tilt 5
18	Main Strobe	32	Ring Red	56	Tilt Fine 5
19	Ring Strobe	33	Ring Green	57	Main Red 5
20	XY Speed	34	Ring Blue	58	Main Green 5

21	Macro	35	Ring Effect	59	Main Blue 5
...	...	36	Dimmer	60	Main Lemon 5
...	...	37	Dimmer Fine	61	Zoom 5
...	...	38	Main Strobe	62	Ring Red 5
...	...	39	Ring Strobe	63	Ring Green 5
...	...	40	XY Speed	64	Ring Blue 5
...	...	41	Macro	65	Ring Effect 5
...	...	...	...	66	Dimmer
...	...	...	...	67	Dimmer Fine
...	...	...	...	68	Main Strobe
...	...	...	...	69	Ring Strobe
...	...	...	...	70	XY Speed
...	...	...	...	71	Macro

75CH	Function	85CH	Function	170CH	Function
1	Pan 1	1	Pan 1	1	Pan 1
2	Pan Fine 1	2	Pan Fine 1	2	Pan Fine 1
3	Tilt 1	3	Tilt 1	3	Tilt 1
4	Tilt Fine 1	4	Tilt Fine 1	4	Tilt Fine 1
5	Main Red 1	5	Main Red 1	5	Main Red 1
6	Main Green 1	6	Main Green 1	6	Main Green 1
7	Main Blue 1	7	Main Blue 1	7	Main Blue 1
8	Main Lemon 1	8	Main Lemon 1	8	Main Lemon 1
9	Main Strobe 1	9	Dimmer 1	9	Zoom 1
10	Zoom 1	10	Dimmer Fine 1	10	Ring1 Red1
11	Ring Red 1	11	Main Strobe 1	11	Ring1 Green1
12	Ring Green 1	12	Zoom1	12	Ring1 Blue1

13	Ring Blue 1	13	Ring Red 1	13	Ring1 Red2
14	Ring Effect 1	14	Ring Green 1	14	Ring1 Green2
.....	.....	15	Ring Blue 1	15	Ring1 Blue2
57	Pan 5	16	Ring Effect 1	16	Ring1 Red3
58	Pan Fine 5	.....	.....	17	Ring1 Green3
59	Tilt 5	65	Pan 5	18	Ring1 Blue3
60	Tilt Fine 5	66	Pan Fine 5	19	Ring1 Red4
61	Main Red 5	67	Tilt 5	20	Ring1 Green4
62	Main Green 5	68	Tilt Fine 5	21	Ring1 Blue4
63	Main Blue 5	69	Main Red 5	22	Ring1 Red5
64	Main Lemon 5	70	Main Green 5	23	Ring1 Green5
65	Main Strobe 5	71	Main Blue 5	24	Ring1 Blue5
66	Zoom 5	72	Main Lemon 5	25	Ring1 Red6
67	Ring Red 5	73	Dimmer 5	26	Ring1 Green6
68	Ring Green 5	74	Dimmer Fine 5	27	Ring1 Blue6
69	Ring Blue 5	75	Main Strobe 5	28	Ring1 Red7
70	Ring Effect 5	76	Zoom 5	29	Ring1 Green7
71	Dimmer	77	Ring Red 5	30	Ring1 Blue7
72	Dimmer Fine	78	Ring Green 5	31	Ring1 Red8
73	Ring Strobe	79	Ring Blue 5	32	Ring1 Green8
74	XY Speed	80	Ring Effect 5	33	Ring1 Blue8
75	Macro	81	Total Dimmer	34	Pan 2
...	...	82	Total Dimmer Fine	.....	.....
...	...	83	Ring Strobe	133	Pan 5
...	...	84	XY Speed	134	Pan Fine 5
...	...	85	Macro	135	Tilt 5
...	...	...	...	...	Tilt Fine 5
...	...	...	...	137	Main Red 5

...	...	...	...	138	Main Green 5
...	...	...	...	139	Main Blue 5
...	...	...	...	140	Main Lemon 5
...	...	...	...	141	Zoom 5
...	...	...	...	142	Ring5 Red1
...	...	...	...	143	Ring5 Green1
...	...	...	...	144	Ring5 Blue1
...	...	...	...	145	Ring5 Red2
...	...	...	...	146	Ring5 Green2
...	...	...	...	147	Ring5 Blue2
...	...	...	...	148	Ring5 Red3
...	...	...	...	149	Ring5 Green3
...	...	...	...	150	Ring5 Blue3
...	...	...	...	151	Ring5 Red4
...	...	...	...	152	Ring5 Green4
...	...	...	...	153	Ring5 Blue4
...	...	...	...	154	Ring5 Red5
...	...	...	...	155	Ring5 Green5
...	...	...	...	156	Ring5 Blue5
...	...	...	...	157	Ring5 Red6
...	...	...	...	158	Ring5 Green6
...	...	...	...	159	Ring5 Blue6
...	...	...	...	160	Ring5 Red7
...	...	...	...	161	Ring5 Green7
...	...	...	...	162	Ring5 Blue7
...	...	...	...	163	Ring5 Red8
...	...	...	...	164	Ring5 Green8
...	...	...	...	165	Ring5 Blue8

...	...	...	...	166	Total Dimmer
...	...	...	...	167	Total Dimmer Fine
...	...	...	...	168	Main Strobe
...	...	...	...	169	XY Speed
...	...	...	...	170	Macro

Macro details:

DMX Value	Function
0-29	No function
30-39	Dim Curve: Linear
40-49	Dim Curve: Inverse square
50-59	Dim Curve: Square
60-69	Dim Curve: S-Curve
70-139	No function
140-159	Reset
160-169	Tilt Reverse : On
170-179	Tilt Reverse : Off
180-199	No function
200-209	Reset
210-219	Dim Speed: Fast
220-229	Dim Speed: Smooth
230-255	No function

5 INSTALLATION

Please fasten the fixture clamp before hanging. The clamp can be fastened by the little hole in the middle of the bracket, then tie with a safety wire. The loading capacity of the safety belt should be 10 times the weight of the fixture itself.

6 CONNECTION OF DMX-512 AND CONNETION WITH THE LIGHT EQUIPMENT

Please connect XLR-XLR control wire with every light from the output of DMX.

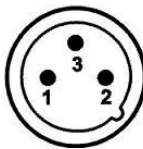
XLR connection:

DMX-OUTPUT



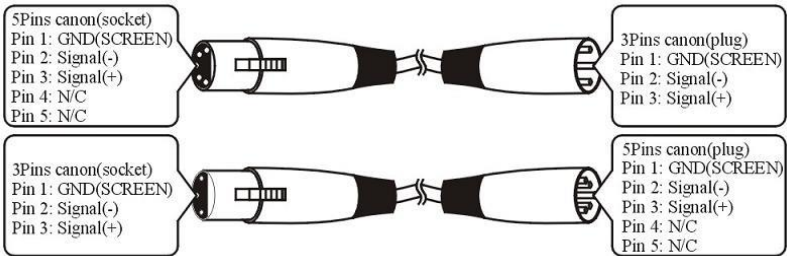
Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

DMX-INTPUT



Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

ATTENTION: Please do remember to connect one circle circuit plug on the output signal of the latest equipment. And this circle circuit plug was connected to a 120ohm resistance between terminals 2 and 3 of the CANON plug, connect this circle circuit plug can avoid the signal flash phenomena of signal DMX512 during the transmission.



7 Maintenance

Problems	Check list	Trouble Shooting
The fixture does not work	1. If your power is the same as the input of the machine. 2. If the fuse was broken.	1. Make sure the voltage. 2. Replace the same fuse.
LED dimmed	If your power is same as the input of the machine	Make sure the voltage input.
No DMX input	1. If the polarity is opposite in the DMX controller. 2. If it is in DMX mode. 3. If there are 2 Master in a loop.	1. Correct the DMX polarity. 2. Change to DMX mode. 3. Set one piece into Slave mode.
Par Light Set works abnormally	1. Check if the serial is correct on the Par Light display	1. Set the right serial No on the single Par Light

8 AFTER SERVICE

1. Our company offers technical consultation to customers forever.
2. If the machine malfunctions, please truthfully contact our service department with feedback us the problems in time.
3. The fixture is covered with 2-year warranty period. Please refer to our online Terms of Cooperation for detailed information.
4. In addition to the lamp, matching accessories are as follows:
- 5.

accessories: Power line 1-piece **Optional parts:** (customers)



Warranty Card

Name	Model	Production	Purchase
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End User	Sale Store
Company Name:	Link man:
Add:	Tel: Stamp

Description: These must be truthfully filled, 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 an effective warranty card / invoice
- (2) There's blank, alter and no point-of-sale name
- (3) Fail caused by short circuit
- (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:

Due to possible changes / upgrades, the statement containing data may have changed, without prior notification. The company retains its right to change specifications related to this manual when the product is improved. Thank you for your understanding.