



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

**19*40W LED BEE EYES Moving Head
(Model:YR-M4019B)**



User Manual

Please read these instructions carefully before use

Notes:

Any damage caused by disregard of this manual does not belong to the scope of warranty, and the manufacturer shall not bear any responsibility for all consequences and problems arising therefrom. Please note that the damage caused by violation of operating procedures does not belong to the scope of warranty.

1.Technical index:

Light source parameters:

LED light:LED19*40W RGBW

LED lifespan :50000H

Heat conduction of light source: stick welding + high efficiency heat conduction chassis

Optical path lens: high efficiency light guide rod + honeycomb lens

Control parameters:

Strobe: 0~30Hz,Support pulse strobe + random strobe + standard strobe

Control signal: DMX512+RDM,Comply with international standard lighting control transmission protocol, support setting address code by console , support DMX interface to upgrade software.

Control channel: 21 CH/ 35 CH/ 78 CH/ 97CH

Built-in effect: static Chase color mix + auto, with pixel control, circle control, rainbow, swirl Vortex, kaleidoscope, slim waist effect, with fixed background light mixed color, fixed background light pattern,single point control of fixed background light, auto function of background light, electronic extreme dimmer , RGBW infinite color mixing,and the color is very uniform

Operating modes: DMX512 / manual / master-slave

Cooling way: intelligent temperature control cooling fan, fan no working under 40℃ (104℉) , when above 40℃ (104℉) the higher the temperature is , the faster the working speed of fan

Display function: 2.0 inch LCD color screen, can set the channel mode (standard/extended/pattern/HSI) horizontal vertical inversion, back screen,



合格证

Certification

产品名称: _____
Item Name

产品型号: _____
Item NO.

检验员: _____
Inspector

检验日期: _____
Inspection Date

执行标准: GB7000 · 217-2008
Implementation Standards

本产品经检验合格，准予出厂！

This product passed the inspection

广东雅格莱灯光音响有限公司
Guangdong YaGe Lai Lighting & Audio Limited

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保修卡

Protection to Fix Card

非常感谢您使用我们的产品

1.本产品从购买日起，正常操作使用并未经拆修，经维修人员确认属产品
质量问题，一年内享受保修服务(其中光源为易耗品只享受三个月保修)，
在作保正常情况下均提供维修。

2.保修卡应在购买时予填写，保修卡无本公司保修章无效，产品维护的请带保修卡。

Very thank you for using our products

1. From the date of purchase, if the product is operated correctly without disassembling
and fixing , at the same time , the quality problem was confirmed by our after-sale
service department , we will offer maintenance service at any time under any normal
situation within one year.

2. The warranty card should be filled in at the time of purchase. The warranty card is
invalid without our company's warranty seal. Please bring the warranty card when
maintaining the product.

顾客姓名 Customer's Name	购买日期 Purchasing Date	产品型号 Product Model	购买商 Purchaser
保修记录: Customer's Records			

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Zhaoqing City, Guangdong Province



6. When using this product, the same signal lines within 20 meters maximum control 20 sets of the same products, beyond this range should be an additional signal amplification devices amplify the signal to use

7. Light source in use, must be controlled within the indicated the use time of light source, out of timer, please change the light source;

6.Installation requirement

1. The product shall be free from corrosive vapors and gases in the operating environment and shall not contain inflammable and explosive articles.

2. Keep the distance between the light outlet direction and the subject at least more than 1 meters.

3.The direction of the light is an optical lens. No external force can hit the glass in the process of operation. If the lens is damaged, it can only be used after the professional technician replacing the lens of the same specifications .

4. When the outer cover of the power cord is damaged, it must be replaced with a new power cord of the same specification by relevant professional personnel before use.

5.When the product is hung and installed, the load bearing of the hanging device shall be at least 3 times greater than the weight of the product, and the safety rope shall be fastened on the auxiliary hanging device of the lamp, and the load bearing of the safety rope shall be more than 3 times greater than the weight of the product.

6. In the operating environment, it must be determined that the current voltage provided is within the range required by this specification

Well grounded.

The company reserves the right to amend this product manual without prior notice.

signal hint, switch in both Chinese and English, automatic screen off/lasting bright screen, display channel mode,light source temperature, fan speed, record boot time, and times of start,fault inspection, manual control channel data memory, the software version information, restore factory Settings, scan and color correction

Front lens: bidirectional fast/slow stepless rotation

ZOOM and beam angle: electronic reset, 4 degrees --60 degrees /0.8 seconds

Scanning: Pan 540 degrees / 1.8s, Tilt 270 degrees/0.9s, three-phased motor, using photoelectric reset with automatic error correction function, the smooth subdivision technology is used which make more smoothly working

LED work mode:support instant light on and off

Working parameters:

Operating voltage: AC100V~240V, (50/60HZ)

Power: 860W

Power factor: 0.98

Rated current: 3.91A

Working temperature: under 40 °C

Lighting Parameters:

Wire: high temperature resistant silicone wire is used for high voltage part, 1332 Teflon high temperature wire is used for weak current part

Shell: heat-resisting engineering plastic

Display: LCD display + 5 buttons

Program upgrade interface: Mini USB

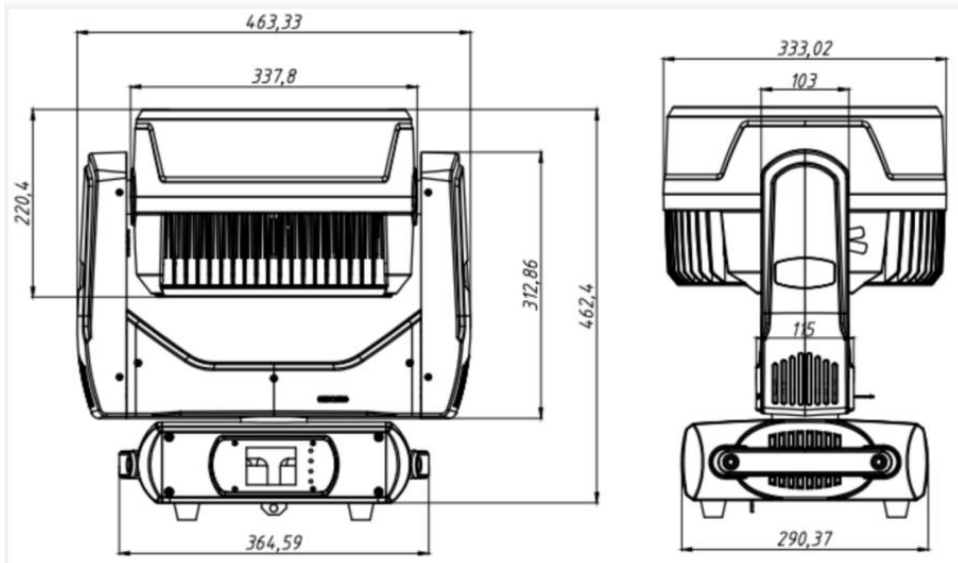
Power interface: Powercon one in (blue) and one out (white),It is more convenient to connect projects hand in hand

Signal interface: 3pin+ 5 pin (optional 3pin + network port), can be inserted into DMX512 wireless receiver

Waterproof grade: IP20

NW: 20.5KG

dimensional drawing



66		
67	Middle circle single switch	
68	Outer circle single switch	
69		No function (Reserved)
70	Single screw switch in outer, middle and inner circle	
71-255	Reserved	

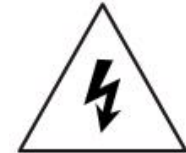
4.master-slave mode online instructions

Set one of the machines as the master item, select the self-walk operation, set the other machines as the slave machine, the slave machine is set as DMX address code 001 state, connect the signal line, at this time the slave machine accepts the host control, function keep synchronization with the master machine.

5.Instructions and remarks

Warning !Risk of shock

The light source inside this machine should be replaced by our company or our service agent or person with similar qualification



1. Check whether the power supply and voltage are normal before use. If the voltage fluctuates greatly, it is recommended to use voltage stabilizer or voltage regulator.
- 2.The equipment belongs to the first-level protective lamps. The power cord of the product must be grounded and well grounded when used
- 3.This equipment shell temperature around 40℃ (104°F) to 50℃ (122°F) while work, do not touch the shell.
- 4.The internal components of the equipment must be purchased from the manufacturer
5. Use the console control as far as possible avoid neighbors have interference sources
(example: wireless walkie-talkie, high frequency source, etc.)

40	Rod 3 (screw switch)	
41		No function (Reserved)
42	Arc left and right switching	
43		No function (Reserved)
44	Arc up and down switching	
45	Mirror Shape	
46	Pixel Animation 1	
47	Pixel Animation 2	
48	Pixel Animation 3	
49	Pixel Animation 4	
50	Pixel Animation 5	
51	Semi-arc	
52	Concave and convex arc	
53	Pixel Animation 6	
54	Vertical double switch	
55	Double Segmented jump	
56	Double outer circle + single middle circle cut	
57	Concave and convex shape 1	
58	Concave and convex shape 2	
59	Concave and convex shape 3	
60	A single vertical jump	
61	Vertical random jump	
62	Horizontal random jump	Random color is activated when Shape RGBW=0 in the previous layer
63	Outer circle random jump	Random color is activated when Shape RGBW=0 in the previous layer
64		No function (Reserved)
65	Outer circle + middle circle random	

2.Display Function Information:

Main Menu	Level 2 Menu	Level 3 Munu/Parameters
Dmx Addr.	001 - 512	Address code cannot be bigger than (512- number of channels)
Light setting	Ch Mode	21CH/35CH/78CH/97CH
	Run Mode	DMX/Auto
	Pan Inv	Open/Close
	Tilt Inv	Open/Close
	Fan control	Silent/low/medium/high speed
	The dimming curve	Linear/inverse/forward /S curve
	Fast charge light	Open/Close
	No DMX	Clear/Hold
Manual	Red	0 - 255
	Red fine tuning	0 - 255
	Green	
	Green fine tuning	

Light Info	Time Info	Boot time
		The total time
		Boot times
	SenSor	Pan
		Tilt
		Zoom
		Rotate
		Display
	Soft Ver	Motor
		Dimming
Network		

Home Set	Password	0 - 255
	Pan correct	0 - 255
	Tilt correct	0 - 255
	Amplification correct	0 - 255
	Amplification rotate	0 - 255
	Red correct	0 - 255

Light Reset	Reset	Run/Cancel
	Factory settings	Run/Cancel
Display Settings	Language	CH/EN
	Disp inverted	Normal/inverted
	Disp Mode	30s/Show

18	Inside + middle + outside full circle switch, open and close switch	Random color is activated when Shape RGBW=0 in the previous layer
19	Single Random	Random color is activated when Shape RGBW=0 in the previous layer
20	Double Random	Random color is activated when Shape RGBW=0 in the previous layer
21	Rainbow 1 (dynamic speed adjustable)	
22	Rainbow 2 (dynamic speed not adjustable + color change speed adjustable)	
23	Fan shape	
24	Rod shape 1	
25	Half moon shape	
26	Large triangular flow	
27	Split shape 1	
28	Arc 1	
29	Arc 2	
30	Rod 2 (size transformation)	
31	Random explosion shape	Random color is activated when Shape RGBW=0 in the previous layer
32	Split shape 2	
33		No function (Reserved)
34		No function (Reserved)
35	Small triangle switching	
36	Six Oblique form	
37	Four Oblique form	
38	Rod shape switch left and right	
39	Rod shape switch up and down	

Channel Chart:

Standard(21CH)		Shape(35CH)		Extended(78CH)	
CH	Channel Mode	CH	Channel Mode	CH	Channel Mode
1	Red	1	Red	1	Red
2	Red fine	2	Red fine	2	Red fine
3	Green	3	Green	3	Green
4	Green fine	4	Green fine	4	Green fine
5	Blue	5	Blue	5	Blue
6	Blue fine	6	Blue fine	6	Blue fine
7	White	7	White	7	White
8	White fine	8	White fine	8	White fine
9	Linear CTO	9	Linear CTO	9	Linear CTO
10	Macro color	10	Macro color	10	Macro color

Back layer Options	6 shapes are available, and the screen of the back layer is selected. (Circle 1, circle 2 combination or full light)
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Shape Built-in shape front layer opening step:

1. Turn on general dimming and general strobe (channel 11 and channel 12)
2. Open the front layer and dimmer the front layer strobe (channel 29 and channel 33)
3. Select the front color Shape RGBW (channel 25 to 28)
4. Select Graphics (channel 22)
5. Adjust the graphic effect (channels 23, 24, 31, 32)

Step for opening the back layer graphics:

1. Turn on general dimming and general strobe (channel 11 and channel 12)
2. Open back layer dimming and back layer stalling (channels 30 and 34)
3. Open the rear layer color RGBW (channel 1, 3, 5, 7)
4. Select Graphics (channel 35)

Shape Detailed explanation of the former layer options:

Number	Shape Description	Remark
0-7	Function close	
8	Inner circle	
9	Middle circle	
10	Outer circle	
11		No function (Reserved)
12	Inner circle + middle circle	
13	Inner circle + outer circle	
14		No function (Reserved)
15	Inside - middle - outside single circle switch	Random color is activated when Shape RGBW=0 in the previous layer
16	Inside + middle + outside full circle switch	Random color is activated when Shape RGBW=0 in the previous layer
17	Inside - middle - outside single circle switch, open and close switch	Random color is activated when Shape RGBW=0 in the previous layer

11	Strobe	11	Strobe	11	Strobe
12	Dimmer	12	Dimmer	12	Dimmer
13	Dimmer fine	13	Dimmer fine	13	Dimmer fine
14	Pan	14	Pan	14	Pan
15	Pan fine	15	Pan fine	15	Pan fine
16	Tilt	16	Tilt	16	Tilt
17	Tilt fine	17	Tilt fine	17	Tilt fine
18	Function	18	Function	18	Function
19	Reset	19	Reset	19	Reset
20	Zoom	20	Zoom	20	Zoom
21	Zoom rotation	21	Zoom rotation	21	Zoom rotation
22		22	Shape selection	22	Red Led 1
23		23	Shape speed	23	Green Led 1
24		24	Shape fade	24	Blue Led 1
		25	Shape R
		26	Shape G	76	Red Led 19
		27	Shape B	77	Green Led 19
		28	Shape W	78	Blue Led 19
		29	Shape Dimmer		
		30	Background Dimmer		
		31	Shape transition		
		32	Shape offset		
		33	Foreground strobe		
		34	Background strobe		
		35	Background select		

Extended RGBW(97CH)	
CH	Channel Mode
1	Red

2	Red fine
3	Green
4	Green fine
5	Blue
6	Blue fine
7	White
8	White fine
9	Linear CTO
10	Macro color
11	Strobe
12	Dimmer
13	Dimmer fine
14	Pan
15	Pan fine
16	Tilt
17	Tilt fine
18	Function
19	Reset
20	Zoom
21	Zoom rotation
22	Red Led 1
23	Green Led 1
24	Blue Led 1
25	White Led 1
...	Red Led 1...
...	Green Led 1....
....	Blue Led 1....
....	White Led 1....
94	Red Led 19
95	Green Led 19
96	Blue Led 19
97	White Led 19

Shape Built-in shape pattern description:

Front layer and back layer:

In the built-in shape mode channel, the 22CH front layer graphics selection and 35CH back layer graphics selection, a total of 61 various graphics, so that users can according to different graphics, combined with 23/24/31/32 effect channel and the front mirror plate of the infinite rotation, can combine rich and colorful, unparalleled animation effect. For example, LED beads have three circles (the first circle is a single middle, the second circle is 6, and the third circle is the outermost 12). Suppose we select the graphic effect of the third turn of the 22CH light bead, then the third turn belongs to the "front layer", and the unselected first turn and second turn belong to the "back layer".

Shape Built-in shape exclusive channel description:

Shape Options	54 shapes can be selected, each Shape can form a single static or multi-frame dynamic picture
Shape Speed	Controls the dynamic speed of Shape
ShapeFade effect	Control the fade effect of multiple frames in Shape
ShapeRGBW	Controls the color of the Shape effect. If all RGBW values are 0, Shape is not displayed
Shape Dimmer	Controls the dimming of Shape mode
Back layer dimmer	Control the dimming of the back layer mode and control the color in the regular RGBW channel
Shape Fade time	The fade time of the two Shapes was controlled by DMX
Shape Density	Controls the density or Angle of the Shape
Shape Stroboscopic	Controls the strobe of Shape in the front layer
Back layer stroboscope	Control the strobe of the back layer