



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

19*40W LED BEE EYES Moving Head (Model:YR-4019QA)



User Manual

Please read these instructions carefully before use

Notes:

The ideal working environment of this equipment is between 0-35 degrees, and the surface temperature of the light body is 40-70 degrees. In order to protect safe operation, it is absolutely necessary for users to follow the safety instructions and warnings in this manual.

Technical parameters:**Light source parameters:**

LED light:LED19*40W RGBW

LED lifespan :50000H

Antistatic: up to 2000V HBM

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

Dimming mode: 4 kind of 0~100% linear dimming mode

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: 26 CH/ 36 CH/ 78CH

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 / WIFI optional + mobile APP control

Cooling way: intelligent temperature control cooling fan, fan no working under 40°C(104°F), when above 40°C(104°F)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, signal hint, switch in both Chinese and English, automatic screen off/lasting. Display channel number, light source temperature, fan speed, record start-up time,

start-up times, fault detection and control, manual control channel data memory, software version information, restore factory settings, scan and color correction.

Front lens: bidirectional fast/slow infinite rotation

ZOOM and beam angle: electronic reset, 4 degrees --60 degrees /1.7 second

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 bead 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

Light 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: Power con 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

Net weight: 20.5KG

合格证 Certificate

黄河灯光
YELLOW RIVER LIGHTING

产品名称: _____
Product Name

产品型号: _____
Product Model

检验员: _____
Inspector

检验日期: _____
Inspection Date

执行标准: GB7000-217-2008
Execution Standard: GB7000-217-2008

本产品经检验合格, 准予出厂。
This product has been inspected and qualified for shipment.



广东黄河灯光科技有限公司
Guangdong Yellow River Lighting Technology Limited
全国统一服务热线: 400-618-4388
National Service Hotline: 400-618-4388

产品保修卡 Product Warranty Card

尊敬的客户:
Dear Customer:
非常感谢您购买我们的产品, 今后在使用过程中, 您将享受我们为贵提供的保修一年的售后服务。
Thank you very much for purchasing our product. In the future use, you will enjoy the one-year after-sales service warranty provided by us.

保修条款:
1.本产品从出厂之日起, 正常操作使用并未经拆修, 经检验人员确认属产品质量问题一年内享受保修服务, 在任何正常情况下均提供保修。
2.保修卡应在购买时予填写, 保修卡无本公司保修属无效, 产品维护时请带保修卡。

Warranty Terms:
1. The product from the date of purchase, under normal operation and without repair, if confirmed by the warranty personnel to be a product quality issue, will enjoy the warranty service within one year, and maintenance will be provided under any normal circumstances.
2. The warranty card should be filled out at the time of purchase, and the warranty card is invalid without the warranty seal of our company. Please bring the warranty card when the product is maintained.

用户资料 Customer Information

顾客姓名: _____ 采购商: _____
Customer Name: _____ Buyer: _____
购买日期: _____ 产品型号: _____
Date of Purchase: _____ Product Model: _____

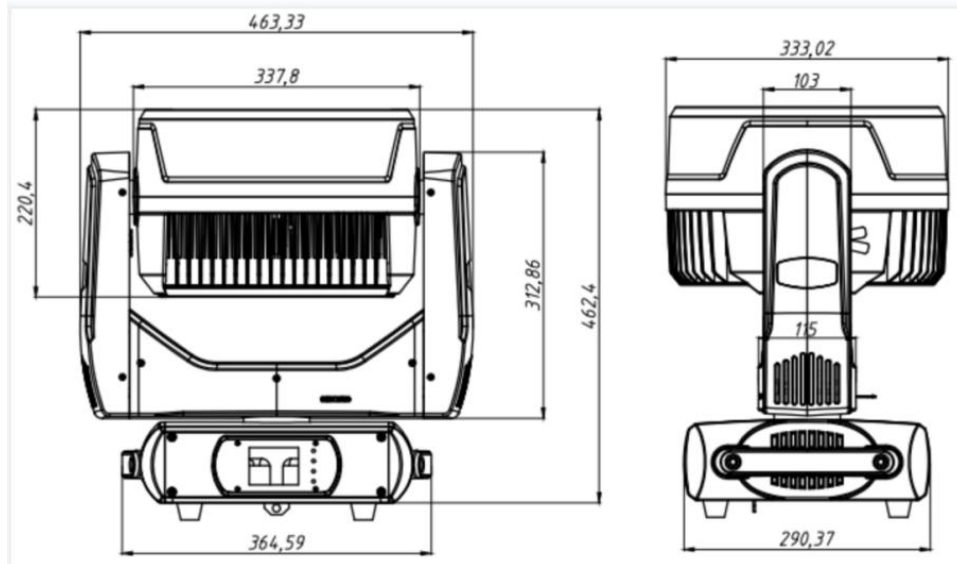
保修记录 Warranty Record

报修日期 Repair Date	故障及处理方法 Fault and Solution	维修日期 Repair Date	维修员 Repair technician

广东黄河灯光科技有限公司

Guangdong Yellow River Lighting Technology Limited
售后服务: 广东省东莞市高埗镇大旺大道41号万泽众创C10栋
After-sales Service Address: C10 Building, No.41 Dawang Avenue, Wanzhe Zhongchuang Area, Dongguan City, Guangdong, China

1. Dimensional drawing



2. Manual:

Manual	Addr.	001-512		
	Set	Run Mode	DMX/Auto1/Auto2/sound	
		Channel Mode	26CH/36CH/78CH	
		Invert Pan	OFF/ON	
		Inver Tilt	OFF/ON	
		Hall Crct	ON/OFF	
		Encoder Crct	ON/OFF	
		Signal Keep	OFF/ON	
		Screen Saver	ON/OFF	
		Invert Screen	Auto/ON/OFF	
		Update slave	OFF/ON	
		Language	CN/EN	
		Load Default	OK/ Cancel	

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

8. When replacing the lamp, power dump firstly, open the head's plastic cover, and open the fan shelf in the lamp area, then replace with a same specification lamp.

3. 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 3 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. The lens and light source of this product must be fully used together. When any part is damaged, it shall be replaced by relevant professional personnel before it can be used again.

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

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

76	LED19-R	0-255	R19 LED dimming
77	LED19-G	0-255	G19 LED dimming
78	LED19-B	0-255	B19 LED dimming

4. Master/Slave mode online description

Set one machine as the host, select self-running, set the other machine as the slave machine, set the slave machine as DMX address code 001 state, connect the signal line, at this time the slave machine accept the host control, the function is synchronized with the current function of the host.

5. Instructions and remarks



Warning. Electric shock

The light source inside this lamp 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 to 60 °C 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.)
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 .

Manual		
Calib	X axis motor	001-255
	Y axis motor	001-255
	Focus motor	001-255
	Rotating motor	001-255
	Red white balance	001-255
	Green white balance	001-255
	Blue white balance	001-255
	White balance	001-255
	Power	001-255
	Red 1 white balance	001-255

	White 19 white balance	001-255
	MIC sensitivity	001-255
Change Password		
Reset	Reset Effect	
	Reset Scan	
	Reset All	
Note	Reset info >>	
	DMX data >>	
	Sensor info >>	
	Hardware :	
	Software :	

channel mode

26 channel mode:

Mode	Function	DMX Value	Description
1	Pan	0-255	0-540 degrees
2	Pan Fine	0-255	16bit adjustable
3	Tilt	0-255	0-205 degrees
4	Tilt Fine	0-255	16bit adjustable
5	P-T speed	0-255	XY speed from fast to slow
6	Zoom	0-255	The Angle is adjusted linearly from small to large
7	Rotation	0-127	0~60 degrees
		128-88	Counterclockwise from fast to slow endless turn
		193-255	Clockwise from slow to fast stepless
8	Dimmer	0-255	Linear dimming from dark to light
9	Strobe	0-3	Light off
		4-103	Synchronous stroboscopic speed from slow to fast (1HZ-25HZ)
		104-107	Light up
		108-207	Bisecting strobe speed from slow to fast (1HZ-25HZ)
		208-212	Light up
		213-225	Low speed random stroboscopic
		226-238	Medium-speed random stroboscopic
		239-251	High-speed random stroboscopic
		252-255	Light up
10	Red	0-255	The red is dimmed linearly from dark to light
11	Green	0-255	Green is dimmed linearly from dark to light
12	Blue	0-255	Blue is dimmed linearly from dark to light
13	White	0-255	White from dark to light for linear dimming

		226-238	Medium-speed random stroboscopic
		239-251	High-speed random stroboscopic
		252-255	Light up
12	Dimmer	0-255	Linear dimming from dark to light
13	Dimmer Fine	0-255	Dimming fine-tuning control
14	Pan	0-255	0-540 degrees
15	Pan Fine	0-255	16bit adjustable
16	Tilt	0-255	0-205 degrees
17	Tilt Fine	0-255	16bit adjustable
18	Function	0-255	reserve
19	Reset	0-25	non-function
		26-76	The lamp holder is valid for 5s reset
		77-127	XY reset is valid for 5s
		128-255	All resets are valid for 5 seconds
20	Zoom	0-255	focusing
21	Zoom Rotation	0-127	0~60 degrees
		128-191	Counterclockwise from fast to slow endless turn
		200-255	Clockwise from slow to fast endless turn
22	LED1-R	0-255	R1 LED dimming
23	LED1-G	0-255	G1 LED dimming
24	LED1-B	0-255	B1 LED dimming
25	LED2-R	0-255	R1 LED dimming
...
...
...

34	BG Strobe	0-255	Background stroboscopic (same 11 channel)
35	BG Select	0-255	Background selection
36	Null	0-255	empty

78 channel mode:

Mode	Function	DMX Value	Description
1	Red	0-255	The red is dimmed linearly from dark to light
2	Red Fine	0-255	Red is linearly fine-tuned from dark to light
3	Green	0-255	Green is dimmed linearly from dark to light
4	Green Fine	0-255	Green is linearly fine-tuned from dark to light
5	Blue	0-255	Blue is dimmed linearly from dark to light
6	Blue Fine	0-255	Blue is linearly fine-tuned from dark to light
7	White	0-255	White from dark to light for linear dimming
8	White Fine	0-255	White is linearly fine-tuned from dark to light
9	Linear CTO	0-255	Linear color temperature regulation
10	Macro Colour	0-255	Built-in color gradient
11	Strobe	0-3	Light off
		4-103	Synchronous stroboscopic speed from slow to fast (1HZ-25HZ)
		104-107	Light up
		108-207	Pulse stroboscopic from slow to fast
		208-212	Light up
		213-225	Low speed random stroboscopic

14	Linear CTO	0-255	Linear color temperature regulation
15	Macro Colour	0-255	Built-in color gradient
16	Shape	0-7	Empty
		8	Static effects 1
		9	Static effects 2
		10	Static effect 3
		11	Empty
		12	Static effects 4
		13	Static effects 5
		14	Empty
		15	Dynamic effect 1
		16	Dynamic Effects 2
		17	Dynamic effect 3
		18	Dynamic Effects 4
		19	Monochromatic random
		20	Monochromatic random
		21	Rainbow Effect 1
		22	Rainbow Effect 2
		23	Dynamic Effect 5
		24	Dynamic effect 6
		25	Dynamic Effects 7
		26	Dynamic effect 8
		27	Dynamic effect 9
		28	Dynamic effect 10
		29	Dynamic Effects 11
		30	Dynamic effects 12
		31	Empty
		32	Dynamic effect 13
		33	Empty
		34	Empty

		35	Dynamic Effects 14
		36	Dynamic effects 15
		37	Dynamic effects 16
		38	Dynamic effect 17
		39	Dynamic effects 18
		40	Dynamic effects 19
		41	Empty
		42	Dynamic effects 20
		43	Empty
		44	Dynamic effects 21
		45	Dynamic effects 22
		46	Dynamic effects 23
		47	Dynamic Effects 24
		48	Dynamic Effects 25
		49	Dynamic Effects 26
		50	Dynamic effects 27
		51	Dynamic Effects 28
		52	Dynamic Effects 29
		53	Dynamic effects 30
		54	Dynamic effects 31
		55	Dynamic Effects 32
		56	Dynamic Effects 33
		57	Dynamic Effects 34
		58	Dynamic effects 35
		59	Dynamic Effects 36
		60	Dynamic Effects 37
		61	Random position 1
		62	Random position 2
		63	Random position 3
		64	Empty
		65	Random position 4

		57	Dynamic Effects 34	
		58	Dynamic effects 35	
		59	Dynamic Effects 36	
		60	Dynamic Effects 37	
		61	Random position 1	
		62	Random position 2	
		63	Random position 3	
		64	Empty	
		65	Random position 4	
		66	Random position 5	
		67	Dynamic Effects 38	
		68	Dynamic effects 39	
		69	Empty	
		70	Dynamic Effects 40	
		71-255	Empty	
	23	Shape Speed	0-63	Effect static
			64-158	Reverse from slow to fast
			159-160	stop
			161-255	Forward from fast to slow
	24	Shape Fade	0-255	Dynamic effect dilution
	25	Shape Red	0-255	Dynamic effect red
	26	Shape Green	0-255	Dynamic effect green
	27	Shape Blue	0-255	Dynamic effect blue
	28	Shape White	0-255	Dynamic effect white
	29	Shape Dimmer	0-255	Pattern 0-100% dimming
	30	BG Dimmer	0-255	Background 0-100% dimming
	31	Shape Transit	0-255	Pattern change control
	32	Shape Offset	0-255	Dynamic effect translation
	33	Shape Strobe	0-255	Foreground stroboscopic (same 11 channel)

22	25	Dynamic Effects 7
	26	Dynamic effect 8
	27	Dynamic effect 9
	28	Dynamic effect 10
	29	Dynamic Effects 11
	30	Dynamic effects 12
	31	Empty
	32	Dynamic effect 13
	33	Empty
	34	Empty
	35	Dynamic Effects 14
	36	Dynamic effects 15
	37	Dynamic effects 16
	38	Dynamic effect 17
	39	Dynamic effects 18
	40	Dynamic effects 19
	41	Empty
	42	Dynamic effects 20
	43	Empty
	44	Dynamic effects 21
	45	Dynamic effects 22
	46	Dynamic effects 23
	47	Dynamic Effects 24
	48	Dynamic Effects 25
	49	Dynamic Effects 26
	50	Dynamic effects 27
	51	Dynamic Effects 28
	52	Dynamic Effects 39
	53	Dynamic effects 33
	54	Dynamic effects 31
	55	Dynamic Effects 32
	56	Dynamic Effects 33

		66	Random position 5
		67	Dynamic Effects 38
		68	Dynamic effects 39
		69	Empty
		70	Dynamic Effects 40
		71-255	Empty
17	Shape offset	0-255	Dynamic effect translation
18	Shape Speed	0-63	Effect static
		64-158	Reverse from slow to fast
		159-160	stop
		161-255	Forward from fast to slow
19	Shape red	0-255	Dynamic effect red
20	Shape green	0-255	Dynamic effect green
21	Shape blue	0-255	Dynamic effect blue
22	Shape white	0-255	Dynamic effect white
23	Rope strobe	0-4	Light off
		5-250	Simultaneous stroboscopic
		251-255	Light up
24	Rope Effect	0-11	
		12-51	Built-in colors Count one color every two
		52-55	Effect 1
		56-59	Effect 2
		...	Count one effect every four
252-255	Effect 51		
25	Rope Ef speed	0-255	From slow to fast
26	Reset	0-25	non-function
		26-76	The lamp holder is valid for 5s reset
		77-127	XY reset is valid for 5s
		128-255	All resets are valid for 5 seconds

36 channel mode:

Mode	Function	DMX Value	Description
1	Red	0-255	The red is dimmed linearly from dark to light
2	Red Fine	0-255	Red is linearly fine-tuned from dark to light
3	Green	0-255	Green is dimmed linearly from dark to light
4	Green Fine	0-255	Green is linearly fine-tuned from dark to light
5	Blue	0-255	Blue is dimmed linearly from dark to light
6	Blue Fine	0-255	Blue is linearly fine-tuned from dark to light
7	White	0-255	White from dark to light for linear dimming
8	White Fine	0-255	White is linearly fine-tuned from dark to light
9	Linear CTO	0-255	Linear color temperature regulation
10	Macro Color	0-255	Built-in color gradient
11	strobe	0-3	Light off
		4-103	Synchronous stroboscopic speed from slow to fast (1HZ-25HZ)
		104-107	Light up
		108-207	Bisecting strobe speed from slow to fast (1HZ-25HZ)
		208-212	Light up
		213-225	Low speed random stroboscopic
		226-238	Medium-speed random stroboscopic
		239-251	High-speed random stroboscopic
		239-251	High-speed random stroboscopic
		252-255	Light up
12	Dimmer	0-255	Linear dimming from dark to light
13	Dimmer Fine	0-255	Dimming fine-tuning control
14	Pan	0-255	0-540 degrees
15	Pan Fine	0-255	16bit adjustable

16	Tilt	0-255	0-205 degrees
17	Tilt Fine	0-255	16bit adjustable
18	Function	0-255	reserve
19	Reset	0-25	non-function
		26-76	The lamp holder is valid for 5s reset
		77-127	XY reset is valid for 5s
		128-255	All resets are valid for 5 seconds
20	Zoom	0-255	The Angle is adjusted linearly from small to large
21	Zoom Rotation	0-127	0~60 degrees
		128-188	Counterclockwise from fast to slow endless turn
		193-255	Clockwise from slow to fast endless turn
22	Shape Select	0-7	Empty
		8	Static effects 1
		9	Static effects 2
		10	Static effect 3
		11	Empty
		12	Static effects 4
		13	Static effects 5
		14	Empty
		15	Dynamic effect 1
		16	Dynamic Effects 2
		17	Dynamic effect 3
		18	Dynamic Effects 4
		19	Monochromatic random
		20	Monochromatic random
		21	Rainbow Effect 1
		22	Rainbow Effect 2
23	Dynamic Effect 5		
24	Dynamic effect 6		