



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

550W Moving head beam+spot light (MODEL: YR-550CMY)



User Manual

Please read these instructions carefully before use

Attention:

Any damage caused by disregard of this manual is not covered by the warranty. The manufacturer does not assume any responsibility for any consequences and problems caused by disregard of this manual. Please note that the damage caused by violation of the operating rules is not covered by the warranty.

Technical indicators:**The light source parameters:**

Power Source: 550W LED

Service life:20000 hours

Color Temperature: 8000K

Control parameters:

Light path lens: combined lens, the light Angle of the whole lamp is adjustable from 7° to 42° , the light is full and the gobo is uniform

Strobe: Electronic strobe 1-30 times/second, support pulse strobe + effect strobe + random strobe

Dimming: Support 4 kinds of dimming curves: linear dimming/sinusoidal dimming/logarithmic dimming/exponential dimming

Control signal: DMX512(Digital MultipleX 512)+RDM, in line with international standard light control transmission protocol, support console to set address code, support DMX interface upgrade software

Control channel: 24CH

Operation mode: console, manual, master-slave

Color: 1 color wheel: 8 high gloss coating colors + white light, step by step color conversion, with bidirectional variable speed flow effect and rainbow effect

CMY: 1 C wheel +1 M wheel +1 Y wheel, can be superimposed color mixing

CTO: 1 CTO slice with adjustable color temperature

Gobo: 1 metal gobo wheel: 10 gobos +3 white light, with shaking, flowing effect

1 glass gobo wheel : 7 gobos + white light, with shaking, flowing effect

Prism: 1piece 3 prism +1piece 8 prism, independent rotation, with bidirectional variable speed rotation effect

Atomization: 1 independent atomization piece, which can be converted to dyeing effect

Scanning: Pan 540° 2.6S/ cycle,tilt 270 degrees° 1.3S/ cycle, three-phase motor, using photoelectric reset + Hall correction double precision reset, make

the positioning more accurate, at the same time, automatic error correction, with automatic return function

Display function: touch screen, screen can be reversed, switch between Chinese and English, automatic screen out/permanent bright screen, can display bright bubble time, fault detection, software version information, can restore factory Settings

Fan and heat dissipation: using copper pipe heat conduction technology + intelligent fan (40 degrees fan silent slow start), the temperature increases fan speed

Cooling mode: standard mode/low noise mode

Safety protection: when the body overheating or system failure automatically cut off the power.

Working parameters:

Operating voltage: AC100V~240V, 50/60hz

Rated Power: 700W

Power factor: 0.99

Working temperature: under 40 °C

Light parameters:

Shell: heat-resisting engineering plastic, anti flowers

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

Teflon high temperature wire is used for weak current part

Power interface: PowerCon, one in and one out

Signal interface: 3 pin(male+female) signal socket

Waterproof grade: IP20

Net weight: 25.5KG



合格证

Certificate



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:

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, 您将享受我们为您提供的保修一年的售后服务。
 Thank you very much for purchasing our product. In the future using, you will enjoy the one-year after-sales service warranty provided by us.

保修条款:

1. 本产品从购买日起, 正常操作使用并未被拆修, 经保修人员确认属产品质量问题, 一年内免费保修服务, 在任何正常情况下均提供免费维修。
 2. 保修卡应在购买时予填写, 保修卡无本公司保修章无效, 产品维护时请带保修卡。

Warranty Terms:

This product, from the date of purchase, under normal operation and without repair, if confirmed to be a quality problem, we will provide you with free warranty service within one year, and maintenance will be provided under any normal circumstances. 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: _____ 购买商: _____
 Customer Name: _____ Buyer:
 购买日期: _____ 产品型号: _____
 Date of Purchase: _____ Product Model:

保修记录

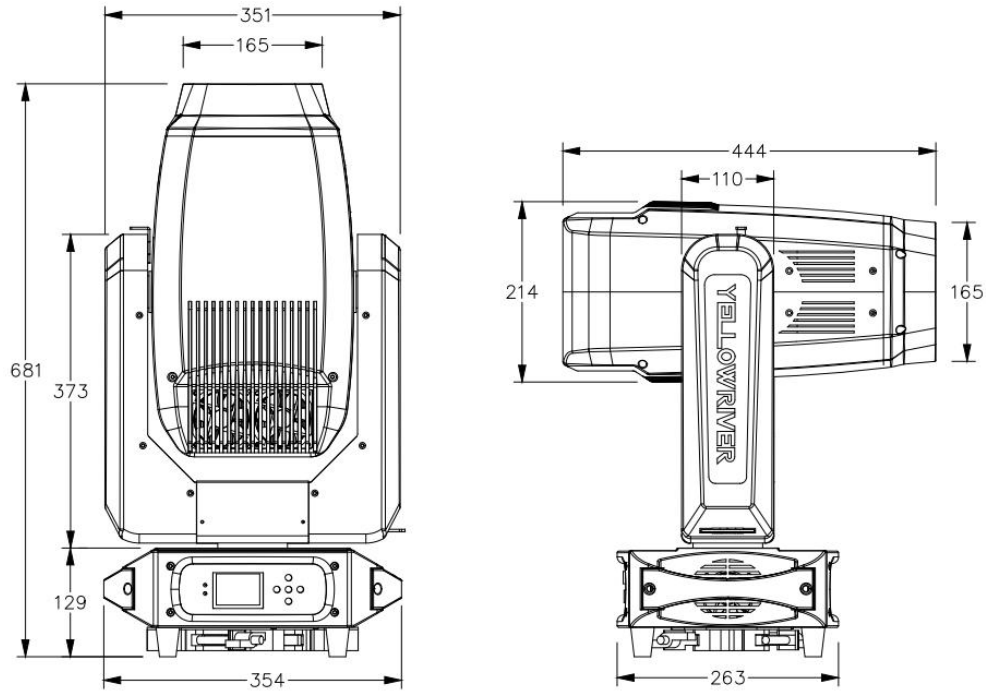
Warranty Record

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

广东黄河灯光科技有限公司

Customer Service Center
 售后服务地址: 广东省肇庆市高新区本庄大道41号万莱众创园C10栋
 After-sales Service Address: 10# Building, No.41 Changyuan Avenue
 Wuyang Zhenqingcheng Center, Zhaqing High-tech Zone, Zhaqing City, Guangdong, China

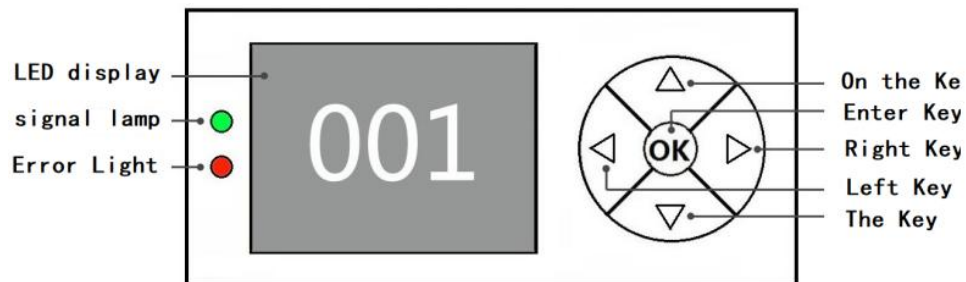
1.SIZE



18	3-facet prism rotating	197-255	Reverse rotation (from slow to fast)
19	8-facet prism	000-127 128-255	close cut-over
20	8-facet prism rotating	000-127 128-187 188-195 196-255	Prism Angle adjustment Forward rotation (from fast to slow) Stop Reverse rotation (from slow to fast)
21	Frost	000-127 128-255	close cut-over
22	Zoom	000-255	The gobo from small to large
23	Focus	000-255	The clarity of the gobo goes from far to near
24	Reset	000-025 026-050 061-085 251-255	None Reset the small motor XY reset Reset the machine

2.Menu

1. Main panel:



2. Menu description:

(1)DMX Set:

DMX address	000-512	First you put the hundreds, then the tens, and then the last place.
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14	Gobo wheel	095-099 100-104 105-109 110-114 115-119 120-192 193-255	Fixed gobo 6 shake (from slow to fast) Fixed gobo 7 shake (from slow to fast) Fixed gobo 8 shake (from slow to fast) Fixed gobo 9 shake (from slow to fast) Fixed gobo 10 shake (from slow to fast) Reverse flow (fast to slow) Forward flow (slow to fast)
15	Glass gobo	000-004 005-009 010-019 020-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139 140-149 150-192 193-255	None Large white light hole gobo 1 gobo 2 gobo 3 gobo 4 gobo 5 gobo 6 Gobo 7 gobo 1 shake (from slow to fast) gobo 2 shake (from slow to fast) gobo 3 shake (from slow to fast) gobo 4 shake (from slow to fast) gobo 5 shake (from slow to fast) gobo 6 shake (from slow to fast) gobo 7 shake (from slow to fast) Reverse flow (fast to slow) Forward flow (slow to fast)
16	Glass gobo rotating	000-127 128-190 191-192 193-255	Angle adjustment Forward rotation (from fast to slow) Stop Reverse rotation (from slow to fast)
17	3-facet prism	000-127 128-255	close cut-over
18	3-facet prism rotating	000-127 128-186 187-196	Prism Angle adjustment Forward rotation (from fast to slow) Stop

(2)Setup:

DMX channel	24CH	24 channel mode
RDM function	Keep/clear	RDM function keep/clear
Language	Chinese/English	Language selection
Fan_Mode	Standard/low noise	Heat dissipation mode selection
Screen Rotation	Off/on	Frontal display/screen inverted display
DMX signal	Keep/clear	State selection when the console signal is disconnected
Display	On/off	With/without screensaver
Invert Pan	Off/on	Pan reversal
Invert Tilt	Off/on	Tilt reversal
Pan Tilt Swap	Off/on	Switching channels for Pan Tilt
Pan Tilt Encoder	On/off	The encoder (optocoupler) detects out-of-step and automatically corrects the switch
Linear Color	On/off	Color wheel linear change/color wheel half-color change
Restore the default	Press "OK" to see the dialog box, press "OK" again to restore the default Settings	

(3)Run Mode:

Auto Mode	DMX	Slave status: Receives DMX signal from console or host	
	Scene/Auto/Sound	Host status: Self-drive and send DMX signal to slave	
Scene_Set	Scene Select	01-20	You can select scenes 1-20 for programming, switching to another scene will automatically save the previous scene

Scene time	0-255	Set the running duration of the current scenario
Auto Rut	On	It is enabled by default and will be executed when running automatically. If it is set to off, the current scene will be skipped and the next scene will be run
	Off	
1.Pan	0-255	Set the channel value to 0-255
2. Pan Fine	0-255	
03.Tilt	0-255	
04.Tilt Fine	0-255	
05.Pan Tilt Time	0-255	
06.Dimmer	0-255	
07.Shutter	0-255	
08.Cyan	0-255	
09.Magenta	0-255	
10.Yellow	0-255	
11.CTO	0-255	
12.Corlour	0-255	
13.CTO_FINR	0-255	
14.Gobo	0-255	
15.Glass_Gobo	0-255	
16.Glass_Gobo_Rt	0-255	
17.Prism	0-255	
18.Prism Rotation	0-255	
19.Prism	0-255	
20.prism2 Rotation	0-255	
21.Frost	0-255	
22.Zoom	0-255	
23.Focus	0-255	

11	CTO	000-255	CTO
12	Color wheel	000-009	White light
		010-019	Color 1 Red
		020-029	Color 2 Yellow
		030-039	Color 3 Blue
		040-049	Color 4 Green
		050-059	Color 5 Rose red
		060-069	Color 6 Orange
		070-079	Color 7 Blue green
		080-089	Color 8 Light blue purple
		090-170	Forward flow (fast to slow)
171-255	Reverse flow (slow to fast)		
13	Semi colour		full colour
		0-127 128-255	Self-color (only works with 12-channel static colors)
14	Gobo wheel	000-004	White light hole
		005-009	Little white light hole
		010-014	Fixed gobo 1
		015-019	Fixed gobo 2
		020-024	Fixed gobo 3
		025-029	Fixed gobo 4
		030-034	Fixed gobo 5
		035-039	Fixed gobo 6
		040-044	Fixed gobo 7
		045-049	Fixed gobo 8
		050-054	Fixed gobo 9
		055-059	Fixed gobo 10
		060-064	White hole shake (slow to fast)
		065-069	Small white hole shake (slow to fast)
		070-074	Fixed gobo 1 shake (from slow to fast)
		075-079	Fixed gobo 2 shake (from slow to fast)
		080-084	Fixed gobo 3 shake (from slow to fast)
085-089	Fixed gobo 4 shake (from slow to fast)		
090-094	Fixed gobo 5 shake (from slow to fast)		

Pan Speed Set	Fan Set
	Turbo Fan Speed:
XY Speed Set	Pan Speed
	Tilt Speed
X_Hall	ON
	OFF
Y_Hall	ON
	OFF
Power	000-255

3.DMX512 Channel: 24CH

Channel	Function	Value	Description
1	X-axis	000-255	Horizontal 540 degree scan
2	X-axis fine-tuning	000-255	Horizontal 1.2 degree fine adjustment
3	Y-axis	000-255	Vertical 270 degree scan
4	Y-axis fine-tuning	000-255	Vertical 1.2 degree fine adjustment
5	XY speed	000-255	Speed from fast to slow
6	dimming	000-255	From dark to light
7	Cutting light/strob oscopic	000-003	Light open
		004-103	Stroboscopic from slow to fast
		104-107	Light gate open → (controlled by dimming channel)
		108-207	Pulse stroboscopic from slow to fast
		208-212	Light open → (controlled by dimming channel)
		213-251	Random stroboscopic from slow to fast
		252-255	Light open → (controlled by dimming channel)
8	Cyan	000-255	Cyan
9	Magenta	000-255	Magenta
10	Yellow	000-255	Yellow

Manual control	01.Pan	Manually control the current light (does not receive DMX signals), refer to the channel table for details
	02.Pan Fine	
	03.Tilt	
	04.Tilt Fine	
	05.Pan-Tilt Time	
	06.Dimmer	
	07.Shutter/Strobe	
	08.Cyan	
	09.Magenta	
	10.Yellow	
	11.CTO	
	12.Color	
	13.Color	
	14.Gobo	
	15.Glass_Gobo	
	16.Glass_Gobo_Rt	
	17.Prism	
	18.Prism Rotation	
	19.Prism	
	20.prism2 Rotation	
	21.Frost	
	22.Zoom	
	23.Focus	
	24.Reset	
Device Reset	OK/CANCEL	Full motor reset
XY reset	OK/CANCEL	XY motor reset
MT reset	OK/CANCEL	Small motor reset
ClearScene data	OK/CANCEL	Clear all scene data

(4)system information:

Version	Ver	Displays the lighting software version
	DIS	Display board software version
	MT	Motor Board Small motor module software version
	XY	Motor Board XY motor module software version
Temp Msg	Displays the current temperature of the light	
Fan Msg	Display fan speed	
System time	Total Lamp	Displays the lighting software version
	Partial Lamp	Display board software version
	Total User	Motor Board Small motor module software version
	Partial User	Motor Board XY motor module software version
	Authority Hours	9999 means no encryption and can be used for a long time.
Sensor Monitor	Pan Hall	Optocoupler Hall status check; 0 when magnetic is detected, otherwise 1;
	Tilt Hall	
	Color hall	
	Gobo hall	
	Gobo1 hall	
	Zoom hall	
	Focus hall	
	Prism1Rt Hall	
	Prism 2Rt Hall	
	Pan wheel State	
	Tilt wheel State	
	Pan wheel Step	XY encoding step value: the step value should be increased in the forward direction, and the step value should be reduced in the reverse direction. The value is normal every time you go to the same point;
	Tilt wheel Step	

System error		Shows which function of the light is faulty
DMX monitor		Detect console data

(5)Dimming curve:

Dimming curve	SCurve	The dimming curve is linear by default, refer to the dimming curve diagram
	InSquare	
	Square	
	Linear	

(6)Factory

Motor Calibration	Data Down Load
	Pan
	Tilt
	Color
	Cyan
	Magenta
	Yellow
	CTO
	Gobo
	Glass_Gobo
	Glass_Gobo_Rt
	Focus
	Zoom
	Prism1 Zero
	Prism1 Cal
	Prism1 Rt
	Prism2 Rt
	Prism2 Zero
	Prism2 Cal
	Frost Zero
Frost Cal	
Clear	