



**GUANGDONG YA GE LAI LIGHTING & AUDIO LIMITED**

**864PCS\*0.3W 3 IN 1 +96PCS\*3W Pure White Moving  
Head Strobe Light**

**(Item: YR-M960S)**



## **Instruction**

**(Please read the manual carefully before using the product.)**

# User Manual

## **Attention:**

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.

## **1. Technical specification :**

### **- Light Source:**

96pcs 3W white light (5600K)+864pcs 0.3W RGB

Light source life: 50000 hours

Heat conduction of light source: 4.0 coefficient silicone grease + high efficiency

heat conduction chassis

Beam angle: 120°

### **- Control parameters**

Strobe: 0-20Hz, standard strobe

Dimming: 0-100% standard linear dimming, 32bit

Control signal: DMX512 (Digital MultipleX 512) + RDM, in line with international standard lighting control transmission protocol

Control channel: 8 channels, 20 channels, 52 channels

Light source layout: three-in-one 6\*12 segments + white light 12 segments, richer programming effects, can be controlled by segment or master

Built-in effects: self-propelled + background light

Operating modes: console, manual, master-slave

Cooling method: heat dissipation by aluminum sheet + fans

Real-time monitoring: light source temperature, signal display

- **Working parameters:**

Working voltage: AC100V-240V (50/60HZ)

Rated total power: 400W

Power factor: 0.56

Rated current: 1.82A

Use ambient temperature: <40 degrees

- **Light parameters:**

Chassis material: a full set of aluminum alloy (high temperature resistance), fine sand paint (high-end wear-resistant)

Display: LED digital tube display +4 buttons, supports 30s instant blackout and light on

Power interface: one in(Blue) one out(White) powercon

Signal interface: 3 pin(5 pin for optional) ,one in one out

Waterproof grade: IP20

Net Weight:3.1KG

Light size: 49.5\*9\*28CM

**2.Operation Instruction:**



MENU      UP      DOWN      ENTER

Press the MENU key to cycle through different menus. Press the ENTER key to enter the corresponding menu, press UP (plus key) or DOWN (minus key) to modify the current value. Press the ENTER key to save the current value.

**3.Menu function reference table:**

S/N	Menu	Function ( ENTER )
1. System settings	1. DMX512 address	DMX512 address code setting: 001-512
	2. Encoder	Encoder on/off
	3. X reverse	X reverse on/off
	4. Y reverse	Y inversion on/off
	5. Advanced Settings	
2. Operation mode	1. Operation mode	DMX/voice control/automatic, default DMX
	2. Channel selection	CH8/CH20/CH52, default CH20
3. Manual control	1. Y-axis	range 000-255, default 255
	2. Y fine-tuning	range 000-255, default 255
	3. Y speed	range 000-255, default 255
	4. Dimming	range 000-255, default 255
	5. RGB strobe	range 000-255, default 255
	6. Red	range 000-255, default 000
	7. Green	range 000-255, default 000
	8. Blue	range 000-255, default 000
	9. RGB mode	RGB self-propelled, range 000-255, default 255
	10. RGB speed	RGB self-propelled speed adjustment, range 000-255, default 000
	11. W strobe	range 000-255, default 000
	12. White	range 000-255, default 255
	13. W mode	white light self-propelled, range 000-255, default 000

3. Manual control	14. W speed	White light self-propelled speed adjustment, range 000-255, default 000
	15. RGBW strobe	range 000-255, default 000
	16. RGBW mode	RGBW self-propelled, range 000-255, default 255
	17. RGBW speed	RGBW self-propelled speed adjustment, range 000-255, default 000
	18. Background color	Select the background color when self-propelled, the range is 000-255, the default is 000
	19. Background color dimming	Background color brightness, range 000-255, default 000
	20. Reset yes/no	
	4. Display settings	1. Language selection
2. Inverted display setting		Turn off/on the inverted display setting, the default is off
3. Screen saver		Turn off/on the screen saver, the default is on
4. Software version		Program version, cannot be modified
5. Factory settings(Please enter the password! Change it up or down to 138, and then press the confirm button to enter the factory setting.)	1. X-axis calibration	range 000-255, default 128
	2. Y-axis calibration	range 000-255, default 128
	3. Focus calibration	range 000-255, default 128
	3. Rotation calibration	range 000-255, default 128
	4. Red	light bead current (032-255), default 210

	5. Green	light bead current (032-255), default 210
	6. Blue	light bead current (032-255), default 210
	7. White	light bead current (032-255), default 210
	7. Current	range 000-015, default 015
	7. Speed	range 000-007, default 000
	8. Logo	selection 000/001, default 000
	9. Temperature	Temperature parameter (40-70), default 060
	10. Temperature-Fan	Turn off/on Temperature-Fan control, it is enabled by default

#### 4.DMX512 channel description:

8 Channels:

S/N	Function	Description
Channel 1	000-255	motor
Channel 2	000-255	motor trimming
Channel 3	000-255	motor speed
Channel 4	000-255	red
Channel 5	000-255	green
Channel 6	000-255	blue
Channel 7	000-255	white
Channel 8	000-255	reset

20 Channels:

S/N	Function	Description
Channel 1	000-255	motor
Channel 2	000-255	motor trimming
Channel 3	000-255	motor speed

Channel 4	000-255	Dimming
Channel 5	000-255	red green blue strobe
Channel 6	000-255	red
Channel 7	000-255	green
Channel 8	000-255	blue
Channel 9	000-255	red green blue mode
Channel 10	000-255	red green blue speed
Channel 11	000-255	white strobe
Channel 12	000-255	White
Channel 13	000-255	white mode
Channel 14	000-255	white speed
Channel 15	000-255	Red, green, blue and white strobe
Channel 16	000-255	red green blue white mode
Channel 17	000-255	red green blue white speed
Channel 18	000-255	background color
Channel 19	000-255	background tone light
Channel 20	000-255	reset

52 Channels:

S/N	Function	Description
Channel 1	000-255	motor
Channel 2	000-255	motor trimming
Channel 3	000-255	motor speed
Channel 4	000-255	red 1
Channel 5	000-255	green 1
Channel 6	000-255	blue 1
...	...	... ..
Channel 37	000-255	red 12
Channel 38	000-255	green 12

Channel 39	000-255	blue 12
Channel 40	000-255	white 1
Channel 41	000-255	white 2
...	...	... ..
Channel 51	000-255	white 12
Channel 52	000-255	reset

**5.Master-Slave Control Model:**

**Master and slave:** Set up one fixture as Master fixture(triggering), other fixtures as slave fixtures(the DMX menu, and the address code must be 001 ) , Slave fixtures under DMX add. Connect the signal cable, the slave fixtures will run and keep function synchronism as master fixtures.

**Console to fixtures:** Set up all fixtures same or different address value or follow DMX console performance. Connecting to console using signal cable, fixture is controlled by console.

**6. Instructions and remarks :**



**WARNING, ELECTRIC SHOCK HAZARD**

**If the light source in this light needs to be replaced, it should be replaced by our company or our service agent or a person with similar qualifications.**

1. Check whether the power supply and voltage are normal before use. If the voltage fluctuates greatly, it is recommended to use a voltage stabilizer or voltage regulator for power supply.
2. This equipment is IP20 grade, it is strictly forbidden to use dry ice machine smoke screen to cover lights.

3. This equipment belongs to the first-class protection lamps, so the yellow and green double-color wires must be grounded, and it must be taken care of by professionals.
4. Do not touch the shell of the device with your hands when it is working.
5. The internal components of this equipment must be purchased from the manufacturer.
6. The power cord of the product must be grounded and well grounded.
7. When using the console, try to avoid the left and right neighbors when controlling, and whether there is any source of interference. (Example: wireless walkie-talkie, high-frequency transmission source, etc.)
8. When using this product, the same line can control up to 20 sets of the same product. If it exceeds this range, additional signal amplification equipment must be used to amplify the signal, and a terminator should be installed on the DMX output port of the last light, and a 120 ohm (The error is within 5 ohms) The 1/4W resistor is between Pin2 and Pin3.
9. The input power cord of this product is equipped with a specification of 1.0 square meters. When connecting by hand, no more than 4 lamps can be connected. The company shall not be responsible for the use of burnt lamps and other accidents that do not follow this requirement.
10. If the display screen and lens are visibly damaged, that is, damaged to the point of failure, such as cracks or deep marks, they should be replaced.

## **7. Installation requirements :**

1. When installing this device, please ensure that there are no extreme, flammable and explosive items (decorations), etc. within a distance of 3 meters.
2. The distance between the direction of the light outlet of the lamp and the object to be illuminated is at least 0.5 meters.
3. The light output direction of the lamp is the optical lens. During use, no external force can hit the glass. If the lens is damaged, you need to find a professional to replace the lens with the same specification before using it.
4. When the sheath of the power cord is damaged, you must find a professional to replace it with a new power cord of the same specification before using it.
5. When the product is hung and installed, the load of the hanging part must be at least 3 times the weight of the product, and a safety rope should be buckled on the auxiliary suspension device of the lamp. The load of the safety rope should be greater than 3

times the weight of the product above.

6. When the lamp is in use, it must be controlled within the use time indicated by the light source. After the use time is reached, please replace the light source in time before using it, otherwise the light source is easily deformed or weakened, which will affect the use.

**The company reserves the right to modify this product manual without notice.**