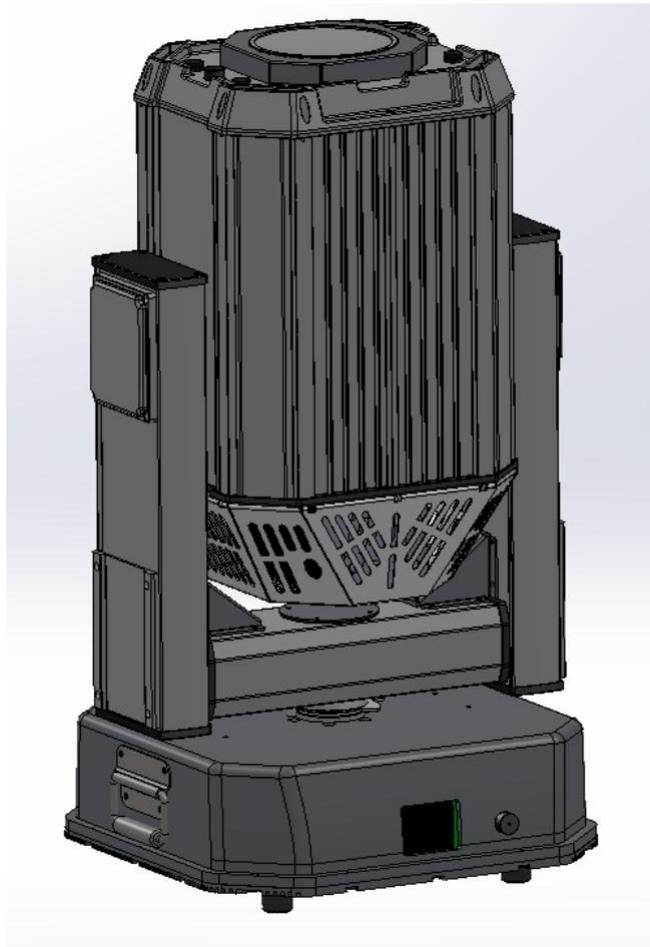


Moving Head RGB 230W Laser Beam Lighting

(MH-RGB230W)



User Manual

Please read this manual before using the product

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Please read this manual carefully. It contains important information such as installation, usage and maintenance

1. Security Information

Please keep this manual for future use. If you promote this product to other users, make sure they also receive this manual.

Caution:

All products are properly packaged when leaving the factory. Please operate it in accordance with the user manual. Machine malfunctions caused by human factors are not covered by the warranty.

- Before using the product, please open it and check carefully to ensure no damage caused by transportation. If any damage, do not use it and contact the dealer immediately.
- The installation and operation of the products should be carried out by professionals.
- Use safe ropes to fix the products.
- The product must be installed in a well-ventilated area, at least 50cm away from the adjacent plane
- Before operation, ensure that the power supply voltage is consistent with the power supply voltage required by the product.
- Please ground the conductor to prevent electric shock.
- Do not operate the product in an environment above 40° C.
- Prohibited to connect the products to dimmers directly.
- Do not put flammable material beside the product when it is in operation to prevent fire hazards.
- Before turning on the product, please carefully check if the power cord is damaged. If it is damaged, please replace it immediately.
- When the product is in operation, the surface temperature of the radiator can reach 50° C, please do not touch it with your bare hands.
- Avoid operating in dirty and dusty environments and regularly clean and maintain the products.
- Children are prohibited from touching or operating the products.
- Do not touch the wires when the product is in operation to prevent electric shock.
- Do not entangle the power cord with other wires.
- In case of serious operational failure, please stop using it immediately.

- Do not open the product housing by yourself. If you need to repair it, please contact the nearest authorized service center.
- When the product is not in use for a long time or under maintenance, please turn off the power.
- When re-transportation is required, please use the original packaging materials.
- Do not look directly at the product aperture when it is in operation.

2. Specification

Item: MH-RGB230W

Light source: semiconductor laser diode

R: 70W/638nm

G: 43W/525nm

B: 117W/445nm

Optical diameter: 200MM

Light source life: >15000 hours

Pan: 540 ° (16bit precision scanning) with electronic error correction.

Tilt: 260 ° (16bit precision scanning) with electronic error correction.

Color mixing: RGB

Beam Angle: 0.3° - 1.5°

Prism: 3 prism or 8 prism.

Dimmer: 0-100% linear adjustment.

Strobe: Up to 25Hz, random strobe or pulse strobe can be selected.

Advanced and efficient liquid pipe heat dissipation.

IP grade: IP65 waterproof

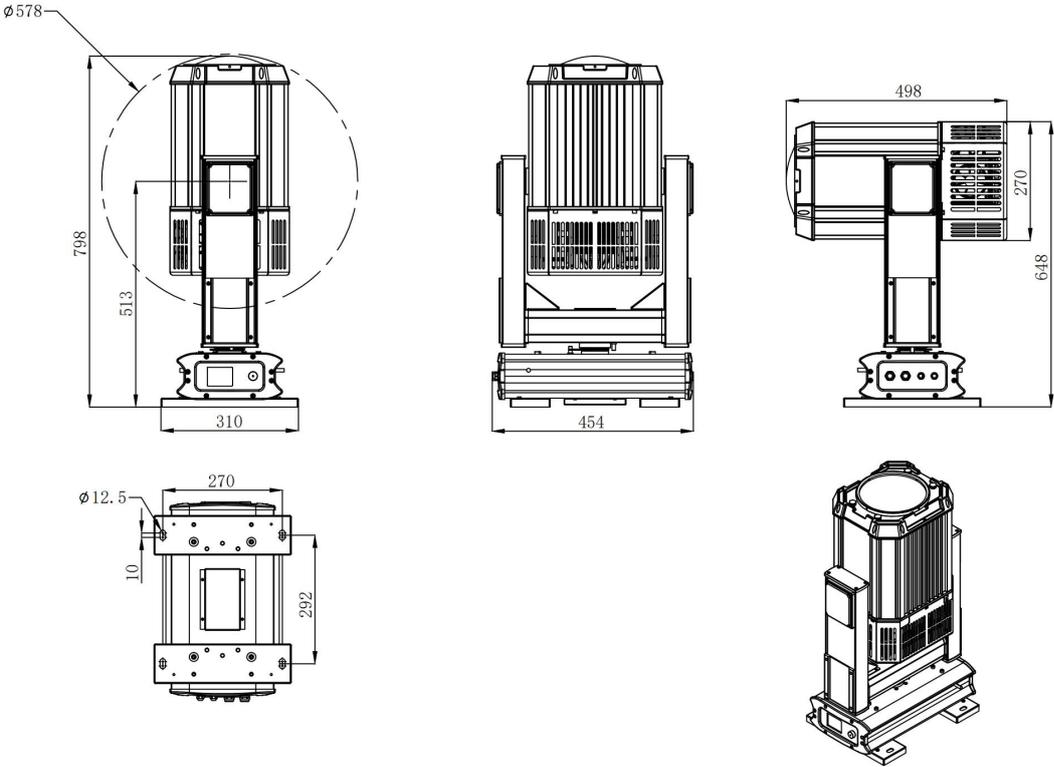
DMX channel: 20CH

Power supply: AC100-240V, 50/60Hz

Power consumption: 1000W

Product size: 50x32x85cm

Net weight: 38kg



3. Installation

Choose a proper position and make sure the bracket is fixed, then connect the power cord and signal cable.

3.1 Power connection

The personnel connecting the power must have the corresponding qualifications. Must confirm that the power voltage you use match the voltage indicated on the product and it should have overload or leakage protection.

Wire Color	Phase Sequence	Symbol
Brown	Live Wire	L
Blue	Neutral Wire	N
Yellow/Green	Ground Wire	

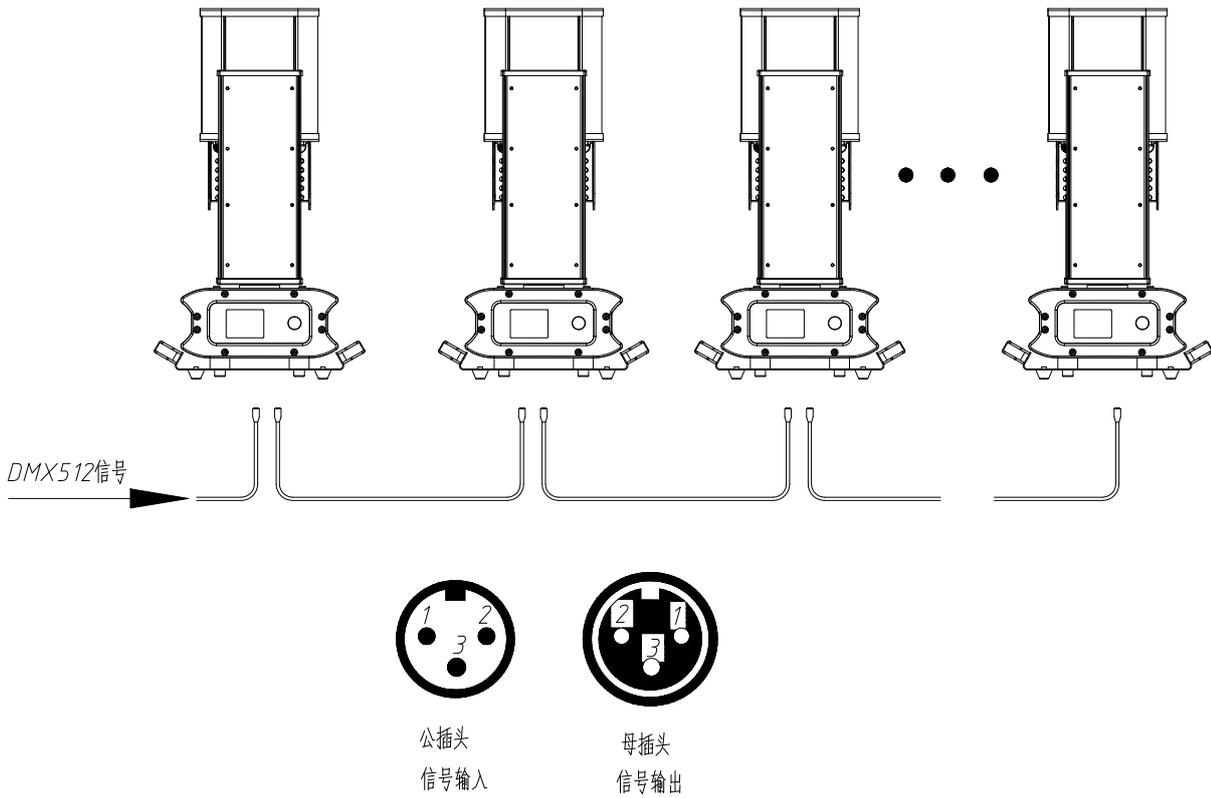
3.2 DMX512 signal connection

The signal lead is composed of 2pcs 2-pin shielded wires with waterproof plugs. The male plug is the signal input terminal and the female plug is the signal output terminal. The two types of plugs are respectively marked with 1, 2, 3.

Wire 1 is black, corresponding to the ground wire of the DMX512 signal.

Wire 2 is blue, corresponding to the (-) of the DMX512 signal.

Wire 3 brown, corresponding to the (+) of the DMX512 signal.



4. Menu Setup

Menu		
Main Menu	Submenu 1	Menu Setting
Signal setting	Address	000-512
	Velocity	000-255
	Package	000-512
	Return	▲
Features Setting	RunMode	DMX DMX
		Musc
		Auto
	DmxLamp	Off
		Open
	LampDefault	Off
		Open
	LampControl	Off
		Open
	SigClear	Off
Open		
DmxRest	Off	

		Open
	ExecuterRst	Annu
		Exec
	Xreverse	Off
		Open
	Yreverse	Off
		Open
	XY Speed	Fast
		NORM
		Slow
	XY Fback	Off
		Open
	Return	▲
InfoSee	WorkHour	0000-9999
	CurrHour	0000-9999
	LampHour	0000-9999
	WorkTimes	0000-9999
	Return	▲
DMX Channel	Channel 01	000-255
	Channel 02	000-255
	Channel 03	000-255
	Channel 04	000-255
	Channel 05	000-255
	Channel 06	000-255
	Channel 07	000-255
	Channel 08	000-255
	Channel 09	000-255
	Channel 10	000-255
	Channel 11	000-255
	Channel 12	000-255
	Channel 13	000-255
	Channel 14	000-255
	Channel 15	000-255
	Channel 16	000-255
	Channel 17	000-255
	Channel 18	000-255
	Channel 19	000-255
	Channel 20	000-255
	Channel 21	000-255
	Channel 22	000-255
	Channel 23	000-255
	Channel 24	000-255

	Channel 25	000-255
	Channel 26	000-255
	Channel 27	000-255
	Channel 28	000-255
	Return	▲
Inbuilt Program	Scene Quantity	001-010
	Select	001-010
	Program Time	000-255
	Channel 01	000-255
	Channel 02	000-255
	Channel 03	000-255
	Channel 04	000-255
	Channel 05	000-255
	Channel 06	000-255
	Channel 07	000-255
	Channel 08	000-255
	Channel 09	000-255
	Channel 10	000-255
	Channel 11	000-255
	Channel 12	000-255
	Channel 13	000-255
	Channel 14	000-255
	Channel 15	000-255
	Channel 16	000-255
	Channel 17	000-255
	Channel 18	000-255
	Channel 19	000-255
	Channel 20	000-255
	Channel 21	000-255
	Channel 22	000-255
	Channel 23	000-255
Channel 24	000-255	
Channel 25	000-255	
	Return	▲
Display	ShowReve	Natu
		Revl
	Language	Chin
		Engh
	BrigSett	10% - 100%
	Backligh	60S
		Light
	MenuBack	90S
Off		

	Return	▲
HelpTool	CheckCode	000 - 255
	CleanTime	Ilum
		> >
	CleanCount	Ilum
		> >
	CleanLamp	Ilum
		> >
	Motor 01	000 - 255
	Motor 02	000 - 255
	Motor 03	000 - 255
	Motor 04	000 - 255
	Motor 05	000 - 255
	Motor 06	000 - 255
	Motor 07	000 - 255
	Motor 08	000 - 255
	Motor 09	000 - 255
	Motor 10	000 - 255
	Motor 11	000 - 255
	Motor 12	000 - 255
	Motor 13	000 - 255
Motor 14	000 - 255	
Motor 15	000 - 255	
Motor 16	000 - 255	
	Return	▲
Return		▲

5.DMX512 channel

Channel List			
Channel	Function	Value	Description
1	X-axis	0-255	Pan 540°
2	X-axis fine-tuning	0-255	
3	Y-axis	0-255	Tilt 270°
4	Y-axis fine-tuning	0-255	
5	XY speed	0-255	Fast---Slow
6	Reset	140-149	XY reset
		160-169	Zoom/prism reset
		200-209	All reset
7	Dimmer	0-255	
8	Strobe	0-255	
9	Inbuilt color change 1	0-255	Fixed color
10	Inbuilt color change 2	0-255	Rainbow color
11	R	0-255	Channel 9 & 10 must be 0, that it works
12	G	0-255	Channel 9 & 10 must be 0, that it works
13	B	0-255	Channel 9 & 10 must be 0, that it works
14	Zoom	0-255	
15	Prism 1	0-255	3 types prism effect
16	Prism rotation	0-255	
17	Soft light	0-255	0 is the most soft, 7 effects
18	Prism 2	0-255	8 prism
19	Prism rotation	0-255	
20	Stand by		

6. Auto mode setup

1. Press the Confirm key on the control panel to enter the first-level menu. Press the up and down keys to select "RunMode", then press the Confirm key to enter the working mode selection, and select the working mode as "DMX". After making your selection, press the Confirm key to save and return to the first-level menu.
2. In the first-level menu, press the up and down keys to select "Built-in Programs", and then press the Confirm key to enter the second-level menu
3. In the second-level menu, select "Scene Quantity", press the Confirm key to enter the scene quantity selection. You can select a total of 10 values from 001 to 010. Each value represents the quantity of scenes that the user needs to display, with a maximum of 10 scenes. After selecting scene quantity, press the Confirm key to save and return to the second-level menu.
4. In the second-level menu, select the "Select" option and press the Confirm key to enter the selection. You can select a total of 10 values from 001 to 010. Selecting 001 indicates editing the first scene, selecting 002 indicates editing the second scene, and so on. After selecting the scene you want to edit, press the Confirm key to save it and return to the second-level menu.
5. In the second-level menu, for each scene selected, there are corresponding options for each function, you can edit them one by one according to the effect you want.
6. After editing the scene, select "Stay Time" in the second-level menu and press the Confirm key to enter the selection. You can select a value from 000 to 255, each value representing the display time of the scene. The time conversion is: 001=1*10 seconds; 005=5*10 seconds; 010=10*10 seconds, and so on. Note: each scene needs to be set up stay time independently.
7. After editing the scene, return to the first-level menu, change "RunMode" to "Auto", press the Confirm key to save, exit the menu, and the setting is completed.

Note: When you need to edit the scene, you must change "RunMode" to "DMX", then enter "Built-in Programs" to select the scene to be edited. After the edition is completed, change "RunMode" to "Auto".

7. Fault resolution

If the product does not work or does not light up, please check if the power contact is intact or test if the voltage is normal. If the external power input is normal, please contact the manufacturer in time.

8. Product cleaning

The lenses must be wiped frequently, which can make the light effect better. The frequency of wiping depends on the environment. Damp, foggy and particularly dirty environments are prone to causing dust to accumulate on the lenses.

- Use soft linen and special glass cleaner.
- Clean the product carefully.
- Wipe the exterior of the lens at least once every 30 days.

9. Accessories

One power adapter cable, and one signal adapter cable.