



User Manual

LED MOVING HEAD

GHOST 1460 RGBW



CONTENTS

1. SAFETY WARNING.....	1
2. TECHNICAL PARAMETERS.....	3
3. SIZE CHART.....	4
4. ILLUMINATION CHART	5
5. INSTALLATION AND CONNECTION.....	5
LAMP INSTALLATION	5
6. OPERATION METHOD	7
SYSTEM INFORMATION	10
7. CONTROL CHANNEL TABLE	11
8. STANDARD ACCESSORIES	13

1. Safety Warning



Please read the instructions carefully before using the equipment, and follow the instructions for installation, use and maintenance.

- Please check the product for any damage caused by transportation before use.
- Please make sure that the equipment is grounded properly before use.
- Please ensure that the device is used within the marked voltage specification range.
- This device is only allowed to be used in dry places indoors.
- Please avoid collision of hard objects during installation, use and movement of the equipment.
- The temperature of the equipment is high when it is running, please keep a safe distance from combustible items.
- There are no accessories that users can use inside the equipment. Non-professionals should not open the shell or repair it. If the equipment needs to be repaired, please contact the manufacturer or agent.
- Electronic technology qualified personnel are required to install and maintain this equipment.
- Users must abide by the safety regulations and precautions of the instruction manual.
- The manufacturer will not be responsible for any accidents or losses caused by improper operation and unauthorized modification of the equipment without permission.

2. Technical Parameters

Input Voltage: 100-240Vac 50/60Hz

Rated power: 750W

Communication interface: three-core signal socket

Power interface: aviation power outlet

Light source specifications: 60W RGBW four-in-one LED lamp beads 14

Color temperature range: 2500K-8000K adjustable

Luminous flux: small angle 7618lm, large angle 14650lm

Light outting angle: 7-61°electric focusing

Control mode: DMX512, RDM

Control channel: 12/22 channel

Scanning angle: horizontal scanning 540°, vertical scanning 220°

External dimensions: 306 * 406.2 * 492mm

Shell material: plastic, sheet metal

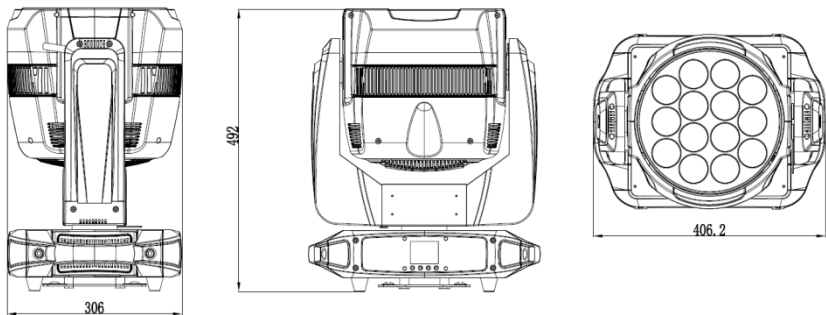
Net product weight: 18Kg

Protection level: IP20

Operating temperature: -5℃ ~40℃

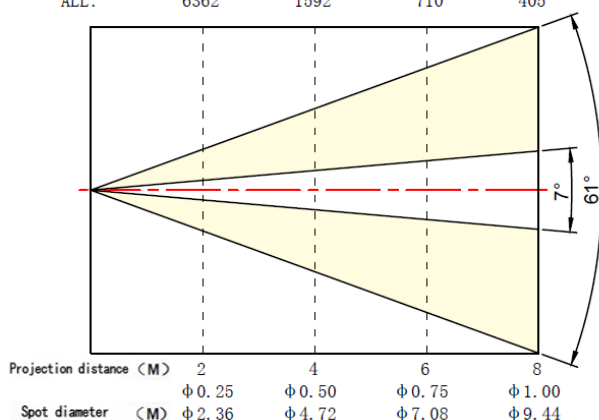
Working noise: 50dB

3.Size chart



4.Illumination Chart

7° :	lux):				
R:	34904	8726	3878	188	
G:	76768	19192	8530	4808	
B:	11108	2777	1235	696	
W:	94012	23503	0447	5880	
ALL:	189648	47412	21082	11883	
61° :	lux):				
R:	1245	312	142	80	
G:	2589	648	294	167	
B:	534	134	63	36	
W:	3012	754	338	191	
ALL:	6362	1592	710	405	



5.Installation and connection

Lamp installation

1.When installing and using equipment, please stay away from flammable and explosive materials and ensure a safe distance of more than 0.5 meters from them;

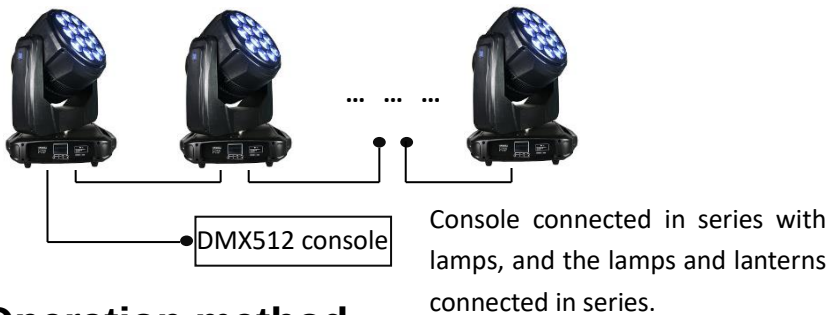
2. Use the right tools to fix the lamp equipment at the appropriate installation site to ensure the safety and reliability of the installation location;
3. The device for hanging and installing lamps must be able to withstand more than ten times the weight of the lamp itself, and ensure that there is no obvious deformation at the hanging location within one hour;
4. Using the safety rope to hang this lamp, the rope used must be able to withstand more than ten times the weight of the lamp itself. The safety rope must be equipped with a safety buckle, pass the safety rope out of the lock hole at the bottom of the lamp, then bypass the lamp holder and other fixings, insert the end of the safety rope tightly into the safety buckle and tighten the screw.

Connection of power supply

1. The standard power cord for this product is 2.5 square millimeters copper core wire;
2. When connecting the DMX512 signal input and output connector line of this product, do not exceed 20 lamps. If the signal line between the DMX console and the lamp or between lamps exceed 50 meters long, a signal amplifier must be added;
3. It is recommended to plug a terminal into the signal output socket of the last device connected at the end of each signal transmission line. The terminal plug is a plug consisting of a $120\Omega/1W$ resistance welded between the 2 and 3 pins of the male plug, which is used to reduce the reflection wave interference caused by the open circuit at the end of the control signal cable.

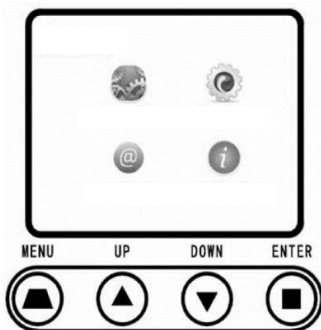
Connect DMX512 console settings

1. Correctly connect the signal line of the DMX512 console and the lamp body in series;
2. The DMX512 address code can be reused as needed;
3. The DMX512 address code can be any numerical value between 001 and 512.



6.Operation method

Keys and Main Menu



- 1.[MENU] Return to the previous menu or exit editing;
- 2.[UP] Move the cursor up or modify the data;
- 3.[DOWN] Move the cursor down or modify the data;
- 4.[ENTER] Enter the next level menu, allow and prohibit data modification, and loop configuration options;
- 5.The main menu enters the standby mode without any key

operation within 60 seconds and turns off the backlight, press any key to turn on the backlight and exit the standby mode.

Device control

[DMX mode]

1. Confirm that [System Settings] [Operation Mode] is [DMX];
2. Confirm that [System Settings] [Host Program] is [None];
3. Confirm that the external DMX controller is correctly connected to this DMX device;
4. Confirm that the address of this DMX device is set correctly;
5. When using the lamp library, confirm that this DMX device [channel mode] is consistent with the lamp library.

[MAN mode]

1. Please disconnect this DMX device from the external DMX controller;
2. Confirm that this device [system settings] [host program] is [None];
3. Move the cursor to [Device Control] under the main menu and press the [ENTER] key to enter the menu;
4. Press the [UP] or [DOWN] key to cycle through the selection of the data channel that needs to be modified;
5. Press the [ENTER] key to allow data modification;
6. Press the [UP] or [DOWN] key to cycle through modifying data;
7. Press [MENU] or [ENTER] to prohibit the modification of data;
8. Repeat 3-6 to modify other data channels.

System settings

- 1.Move the cursor to [System Settings] under the main menu and press the [ENTER] key to enter the menu;
- 2.Press the [UP] or [DOWN] key to select the items that need to be modified;
- 3.Press the [ENTER] key to cycle settings;
- 4.Press the [MENU] key to exit;
- 5.The specific settings are detailed in the table below.

Option	Value
Operating mode	DMX
Channel mode	Standard 、 Reduced
Host program	None、 Prog1-3
Language selection	Chinese、 English
Inverted screen	Normal、 Inverted
Signal keeping	ON、 OFF (Maintain the final control state when the DMX signal is disconnected)
Dimming curve	Square、 I-Square、 S-Shape、 Linear
Dimming speed	Tungsten 、 Ledmode (Tungsten filament lamp, LED dimming effect)
Dimming mode	600Hz、 300KHz (Dimming signal refresh rate)
Horizontal reversal	Normal、 Inverted
Vertical reversal	Normal、 Inverted
Movement exchange	Normal、 Swapped

Error correction switch	Normal , Closed
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Device Address

1. Move the cursor to the [Device Address] icon under the main menu and press the [ENTER] key to enter the menu;
2. Press the [UP] or [DOWN] key to cycle through modifying the address;
3. Press the [MENU] key to save and exit.

System information

1. Move the cursor to [System Information] under the main menu and press the [ENTER] key to enter the menu;
2. Press the [ENTER] key for some items to pop up the display details, and press any key to exit the pop-up display;
3. Press the [MENU] key to exit;
4. The specific display content is shown in the table below.

Information	Description
System version	... (Press [ENTER] to view details)
RDM-UID	*****
Total hours	0-99999
Running time	mm:ss
DMX communication	0-99 Hz
Lamp panel temperature	-55.0-125.0 °C

Fan speed	nnnn rpm
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7.Control Channel Table

Channel mode		Channel Name	Control method	Control Function Description
Streamlined mode	Standard mode			
1	1	Dimming	000-255	Total dimming 0-100%
2	2	Red	000-255	Red dimming 0-100%
3	3	Green	000-255	Green dimming 0-100%
4	4	Blue	000-255	Blue dimming 0-100%
5	5	White	000-255	White dimming 0-100%
6	6	Strobe	000-002	Light
			003-127	Strobe 1-20Hz
			128-252	Random strobe
			253-255	Light
7	7	Horizontal position	000-255	Horizontal position 0-540°
8	8	Horizontal fine-tuning	000-255	Horizontal fine-tuning
9	9	Vertical position	000-255	Vertical position 0-220°
10	10	Vertical fine-tuning	000-255	Vertical fine-tuning
11	11	Scanning speed	000-255	Scanning speed from fast to slow

12	12	Focusing position	000-255	The light angel is 7-61°
-	13	Tone setting	000-255	Tone 0-360°
-	14	Tone fine-tuning	000-255	Tone fine tuning
-	15	Saturation	000-255	Saturation 0-100%
-	16	Color temperature setting	000	No function
			001-255	Color temperature 2500-8000K
-	17	Color scrolling	000	No function
			001-255	Color scrolling 1~60s
-	18	Color material	000-004	No function
			005-169	Color 1-33
			170-255	No function
-	19	Dimming curve	000-063	Square dimming curve
			064-127	Inverse square dimming curve
			128-191	S-shaped dimming curve
			192-255	Linear dimming curve
-	20	Dimming speed	000-127	Tungsten filament lamp dimming effect
			128-255	LED dimming effect
-	21	Fan	000-050	Automatic fan
			051-100	Fan speed 1-low speed
			101-150	Fan speed 2
			151-200	Fan speed 3
			201-255	Fan speed 4-high speed
-	22	System function	000-249	No function
			250-255	Reset

8.Standard accessories

Power connector cable 1

Signal connector cable 1

Safety rope 1

Manual 1

Lamp body hanging boards 2
