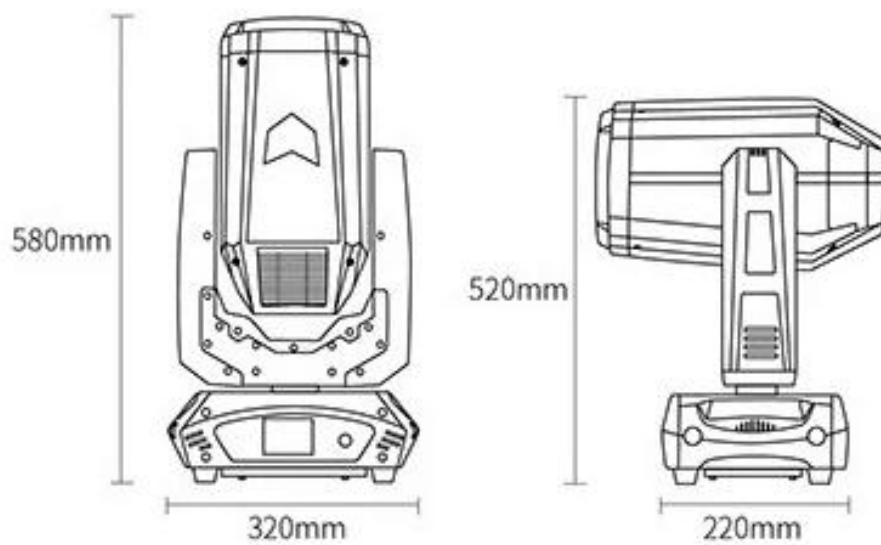# BEAM LIGHT

USER MANUAL

ITEM No.：260W

Please read over this Manual before Operating

First, thank you for purchasing our professional lighting equipment.

This manual includes important information of how to install and use the fixture safely. Please install and operate it correctly as required, and keep the manual properly in case of need.

This moving head light is the perfect combination of humanity and industrial design with beautiful modeling. The body of the light is made of aluminum alloy and high temperature resistant engineering plastic materials with wonderful cooling effect. And the transmission mechanism adopts electronic positioning technology. This product fully meets the CE standard which employs the international standard signal control DMX512, and is widely used in TV station, disco, dance hall, night club and other indoor or outdoor shows.

This product is in good condition and packed well before shipping. Please follow strictly the stated warning and instructions when operating. It is not guaranteed by our company for any damage or breakdown of the product caused by misuse the product before reading the operation manual.

Warnings：

Please check if there is any transportation damage before using. And if there is any damage, please stop using it, and contact the distributor or manufacturer as soon as possible. Please keep it away from Combustible materials, and unlock the X-, Y-axis before using. The fixture should be installed in places with good ventilation, keep it away from the wall at least 10cm above, and then check if the fans are in good conditions.

Please don't project the light beam on the combustible directly, and keep the fixture at least 12m away from the projection objects.

Please don't look directly into the light source lest any damage to your eyes. And please make sure the using power voltage is in accordance with the stated voltages before using.

Attention: Please power off before installing, repairing or cleaning the fixture.

1. Operation Modes:

Touch	Turning Wheel	Function
"Up" button	Turn left	Select、Edit
"Down" button	Turn right	Select、Edit
"Confirm" button（"OK"）	Press the wheel	Start running Start editing、Stop editing
"Return" button	Press the wheel under Return manual	Return to previous page

For example, how to change DMX address?

1. Please press "Setting" in the main interface to enter "setting" interface.
2. There are 4 touch key-presses on the right side, namely, "Up" "Confirm" "Down" "Return" buttons.
3. Please press "Up" or "Down" keys to enter "DMX address".
4. Please press "Confirm" to edit.
5. Please press "Up" or "Down" keys to change DMX address（the new DMX address would be saved automatically and start to run）
6. Please press "Confirm" to exit editing.
7. Please press "Return" to exit main manual.

Operation modes for turning wheel：

1. Please press "Setting" button under the main interface, and turn the wheel.
2. Please press the wheel to enter "setting" interface.
3. Please turn the wheel to enter "DMX address" interface under "setting" interface.
4. Please press the wheel to edit.
5. Please turn the wheel to change the DMX address.
6. Please press the wheel to exit editing after the modification.
7. Please turn the wheel to enter "Return", and then press the wheel to return the main interface.

2. Control Panel Instructions:

2.1. Main Interface

The 3 buttons on the up right corner are for language switch and screen rotation.

The 4 buttons on the bottom are for sub-interfaces.

How to use the wheel to control the sub-interface? Please see as follows::

For "Up" button: Please turn left.

For "Down" button: Please turn right.

For "Confirm" button: Please press the wheel

2.2. Setting of Interface

Options		Instructions
Running Mode	DMX	Slave machines：accept DMX signals from controller or Master machine.
	Auto	Master-Slave ： running automatically, and send DMX signals to slave machines. Attention：If need to check the light effects, please power on the lamp first to enter self-propelled state.
DMX Address	1-512	Press "Confirm" button to edit. First is for "**hundred's digit",** and press "Up" and "Down" to change the address codes. Press "Confirm" button the second time to edit "**ten's digit",** and press again the "Confirm" button to edit "**unit's digit".** Please press it again to exit editing.
Channels	on	18 CH Invalid
	on	17-20CH to control speed（please refer to Channel chart）
X Reverse	off	
	on	
Y Reverse	off	
	on	
XY Exchange	on	
	off	Exchanging XY channels（Pan/Tilt fine included）
XY Encorder	stay	Use Encorder (optocoupler) to judge out of sync or not, and self-correct the position.
	reset	Don't use Encorder (optocoupler) to rectify the position
No DMX signal	on	Stay the same
	off	Stop running
Screen Save mode	off	Screen light off automatically after 30secs
	on	Screen stay on
Starting up		Reset directly when power on，lamp stay off（need to operate the manu or console to light up the lamp)
		Lamp on when power on，and reset after the lamp is fully lighted up.
Recover default setting		Press "Confirm" button to see the confirm dialog, and press "Confirm" button again to recover default setting.

2.3.Information Interface

Options	Illustrate
Software version	The current software version
Total time	Total time (accurate to the minute)

The use of time	Since the boot (accurate to the minute)
DMX Channel	Click here to go to the sub-interface, numerical and percentage display channel for viewing.
System error records	If the red ERR indicator light, illustrate lamps run error, Details Click here go to the sub-interface view. After you finish, press "OK" key to delete error records. Note: sometimes it is not Hall or optocoupler installation problems, but the motor line reversed.

2.4. Manual Control Interface

This interface is used to control the current lighting, neither belong to slave state (does not receive DMX signal), nor belong to the host state (do not send DMX signal)

Options		Illustrate
Reset		Press the OK button after see a confirmation dialog box, click "OK" key to enter the reset interface, all motor reset again.
Color Wheel	0-255	Press "Confirm" button to edit. First is for "**hundred's digit",** and press "Up" and
○○○○○○	0-255	"Down" to change the address codes. Press "Confirm" button the second time to
Gobo Wheel Speed	0-255	edit "**ten's digit",** and press again the "Confirm" button to edit "**unit's digit".** Please press it again to exit editing.
Bulb Control	Turn on	
	Turn off	

2.5. Advanced Interface

The code is "up down up down"，and   code for the wheel is " left right left right".

Manu Operation modes：Press "Up" to see the first "＊"，and press "Down" key to see the second "＊"，and press "Up" to see the third "＊"，and press "Down" key to see the fourth "＊"，and last press "Confirm" key to enter password confirmation.

Turning wheel Operation modes：Turn one bit left to see first "＊", and Turn one bit right to see the second "＊", and turn one bit left to see the third "＊", and Turn one bit right to see the fourth "＊", and last press the wheel to enter password confirmation.

Options	Instructions
Touch Screen Calibration	Please touch the place according to the prompt of the cross cursor in the Calibration interface. If the 4 values received the right data, then save the data. If failed, it will keep repeating. Please press "Confirm" button to stop Calibration any time.
Reset Calibration	When enter sub-menu, the reset location of X.Y axis motors is adjustable. It is not able to edit "**unit's digit",** "**ten's digit"** or "**hundred's digit"** or long-time press for Reset Calibration which needs to be calibrated step by step, which is different from address code and channel values. Attention：Please don't conduct Reset Calibration, when the motors are working.

	And please reset the fixture before Reset Calibration when necessary.

Channel	Channel mode
	Std.18CH
1	COLOUR
2	STOP/STROBE
3	DIMMER
4	GOBO
5	PRISM1
6	PRISM1 RT
7	PRISM2
8	PRISM2 RT
9	FOCUS
10	PAN
11	PAN FINE
12	TILT
13	TILT FINE
14	PAN-TILT TIME
15	IRIS
16	FROST
17	LAMP CONTROL
18	RESET

➤ **RESET**

BIT	EFFECT	remark
128-255	COMPLETE RESET	Start in 5 seconds
0-127	UNUSED RANGE	Reset is activated passing through the unused range and staying 5 seconds.

➤

➤

➤ **LAMP CONTROL**

BIT	EFFECT	remark
101-255	LAMP ON	
26-100	LAMP OFF	Lamp switch passing through the unused range and staying 5
0-25	UNUSED RANGE	seconds.

➤

➤

➤ **DIMMER**

BIT	EFFECT
255	100%
……	……
0	0%

➢ **STOP/STOBE**

BIT	EFFECT
252-255	OPEN
239-251	RANDOM FAST STROBE
226-238	RANDOM MEDIUM STROBE
213-225	RANDOM SLOW STROBE
208-212	OPEN
207	FAST PULSATION
……	……
108	SLOW PULSATION
104-107	OPEN
103	FAST STROBE
……	……
4	SLOW STROBE
0-3	CLOSED

COLOUR

BIT	EFFECT
255	FAST ROTATION
……	……
140	SLOW ROTATION
135-139	COLOUR13 + WHITE
130	COLOUR13
125	COLOUR12 + COLOUR13
120	COLOUR12
115	COLOUR11+ COLOUR12
110	COLOUR11
105	COLOUR10+ COLOUR11
100	COLOUR10
95	COLOUR9+ COLOUR10
90	COLOUR9
85	COLOUR8+ COLOUR9
80	COLOUR8
75	COLOUR7 + COLOUR8
70	COLOUR7
65	COLOUR6+ COLOUR7
60	COLOUR6
55	COLOUR5+ COLOUR6
50	COLOUR5
45	COLOUR4 + COLOUR5
40	COLOUR4
35	COLOUR3+ COLOUR4
30	COLOUR3
25	COLOUR2 + COLOUR3
20	COLOUR2

15	COLOUR1 + COLOUR2
10	COLOUR1
5	WHITE +COLOUR1
0	WHITE

GOBO

BIT	EFFECT
255	GOBO 13 SHAKE, FAST SPEED
......	......
251	GOBO 13SHAKE, SLOW SPEED
......	......
195	GOBO 1 SHAKE, FAST SPEED
......	......
191	GOBO 1 SHAKE, SLOW SPEED
190	FAST ROTATION
......	......
135	SLOW ROTATION
130-134	STOP
129	SLOW ROTATION
......	......
70	FAST ROTATION
65-69	GOBO 13
60	GOBO 12
55	GOBO 11
50	GOBO 10
45	GOBO 9
40	GOBO 8
35	GOBO 7
30	GOBO 6
25	GOBO 5
20	GOBO 4
15	GOBO 3
10	GOBO 2
5	GOBO 1
0	WHITE

➢ **PRISM**

BIT	EFFECT
128-255	PRISM INSERTED
0-127	PRISM EXCLUDED

➢ **PRISM ROTATION**

BIT	EFFECT

255	FAST ROTATION
……	……
193	SLOW ROTATION
191-192	STOP
190	SLOW ROTATION
……	……
127	FAST ROTATION
0-127	POSITION

➢ **PRISM1**

BIT	EFFECT
128-255	PRISM1 INSERTED
0-127	PRISM1 EXCLUDED

➢ **PRISM1 ROTATION**

BIT	EFFECT
255	FAST ROTATION
……	……
193	SLOW ROTATION
191-192	STOP
190	SLOW ROTATION
……	……
127	FAST ROTATION
0-127	POSITION

➢ **FROST**

BIT	EFFECT
128-255	FROST INSERTED
0-127	FROST EXCLUDED

➢ **IRIS**

BIT	EFFECT
128-255	IRIS INSERTED
0-127	IRIS EXCLUDED

➢ **FOCUS**

BIT	EFFECT
255	100%
……	……
0	0%

➢ **PAN**（..）
➢ **PAN FINE**（…）
➢ **TILT**（…）
➢ **TILT FINE**（…）

	Timing Channel	Channel function	Remark	
0-25 5	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255	SLOW SPEED
			......	......
			0	FAST SPEED

PAN-channel 10 (.........)

PAN FINE-channel 11 (.........)

TILI-channel 12 (.........)

TILT FINE-channel 13 (.........)

FUNCTION-channel 14(NOUSED)

RESET-channel 15

BIT	EFFECT	Remarks
128-255	COMPLETE RESET	Reset is activated passing through the unused range and staying 5 seconds.
77-127	PAN/TILT RESET	
26-76	EFFECTS RESET	
0-25	UNUSED RANGE	

LAMP CONTROL-channel 16

BIT	EFFECT	Remarks
128-255	LAMP ON	Lamp switch passing through the unused range and staying 5 seconds.
10-100	LAMP OFF	
0-9	UNUSED RANGE	

TIMING CHANNELS

	Timing Channel	Channel function	Remark	
17	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255	SLOW SPEED
18	Color time	Color wheel	.....	......
19	Beam time	Dimmer-Prism-Frost	0	FAST SPEED
20	Gobo time	Static Gobo		

Control signal connection

3-pin and 5-pin control cable plug (male and female) connector.


```
5芯卡侬插（母）：
Pin 1: GND(SCREEN)
Pin 2: Signal(−)
Pin 3: Signal(+)
Pin 4: N/C
Pin 5: N/C
```

```
3芯卡侬插（公）：
Pin 1: GND(SCREEN)
Pin 2: Signal(−)
Pin 3: Signal(+)
```

```
3芯卡侬插（母）：
Pin 1: GND(SCREEN)
Pin 2: Signal(−)
Pin 3: Signal(+)
```

```
5芯卡侬插（公）：
Pin 1: GND(SCREEN)
Pin 2: Signal(−)
Pin 3: Signal(+)
Pin 4: N/C
Pin 5: N/C
```
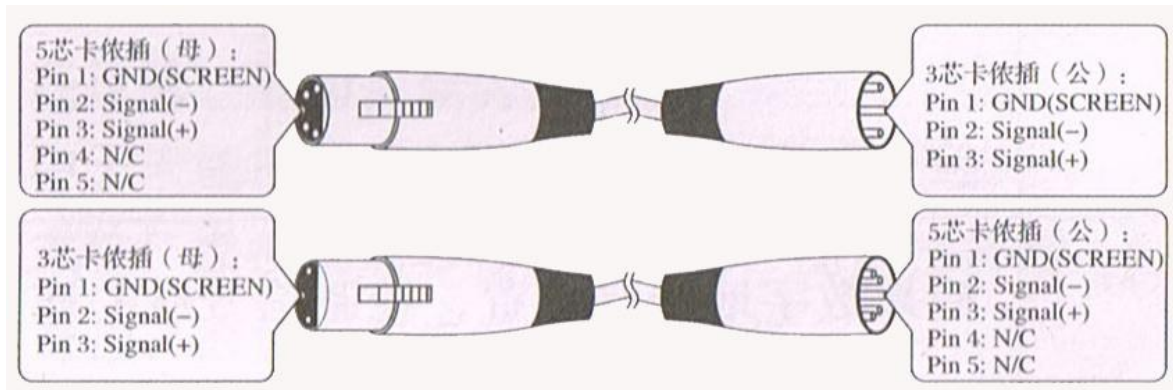
Three pin（Canon）DMX512 connector

OUTPUT   INPUT

Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

Protection and Maintenance:

You should exchange the lens timely, if you find the led has damaged. You should instant replacement the bulb when you find the deformation damage. The aging bulb has a danger of blowout. Please check the power fuse of light when the light unable to start. Install the corresponding specification fuse 6.35X32 T15A/250V when burning. Light has overheating protection device, Protection device will automatically cut off power supply when overheating. Please check the fan's operation, dirt jam between fan and fan nets when the situation happened. Find the reason and repair then restarting light. Attention only qualified technical personnel can repair it.

Light cleaning:

It is necessary to keep the light cleaning to ensure its reliable use. The fan should clean every 15 days. It

needed to clean periodically of the internal and external optical lens, mirror and coating color filter in order to

optimize the efficacy output. Do not use any chemical solvents containing to clean color filter. The frequency of

cleaning is according to the operation of light and the environment of operation.

With soft cloth and general glass clean products clean the light. Suggest clean outside optical system every 20

days. Clean internal optical system at least every/60 days.

Don't use alcohol and organic solvent wipe to clean the shell of light lest cause damage.

Statement

a. The product is good performance and the package is complete before delivery. All users should strictly abide by the warnings and instructions stated above, any product which has been subjected to misuse and damage caused by the range beyond the Company within the warranty, caused by the failure to ignore the operation manual and problems not in the dealer responsible.

b. Company has the right of the interpretation about the manual item.

Problem solve method

Problem	Solve method
No supply power	Check the voltage of the power supply
Energized produce light, moving head light does not accept control instructions.	Check digit address code install, the control signal line connection
Projected images has light halo	Check the electronic focus channel value whether suitable for projection distance
The beam head very dim	Lamp may to arrived life, you should replace a new bulb, and check the optical components whether is clean

Note: qualified professionals could repair the lighting