Beam Moving Head Light

User Manual

REV: 1.00

Please read this manual carefully before operating

Beam Moving Head User Manual

(16 Channel/Mute Type)

Warnings:

This product is only suitable for professional use, and does not apply to security for other purposes. After you got the lights, please check the package whether have any damage caused by transportation. If there is any damage, do not use this fixture, and please contact the dealer or manufacturer as soon as possible.

This product is only suitable for indoor, IP20 protection class. Lamps should be kept dry to avoid Moisture, overheating or dusty environment. Prevent lamps come into contact with water or any other liquid. The use of this product should pay attention to: fire, heat, electric shock, ultraviolet radiation, the lamp to explode or Shedding caused serious or fatal injury.

Need to read the instructions before use energized or installing. Follow through the operation of security methods and pay attention to the warning signs on the specification and equipment.

Please don't choose the item " factory default" , or all the data will be missing, and the machine can use only by resetting.

Beam Moving Head Light after service

Product warranty card

Please fill in the following content properly and keep it safe for future maintenance. Accordingly, for your each purchase of our systems we have archive Serial number and parameters for future reference.

Testing : ☐	**warranty:** ☐	**non-warranty:** ☐
Mode:	**Serial No.:**	
Distributor:	**Address:**	
Tel:		

About Product Warranty

1. Any product buy from our company (or authorized agent), which used properly,and with this card, can have 1 year warranty for Lights, mechanical parts, electronic parts. If out of the warranty situation, we can provide the paid maintenance service.

2. The warranty is no longer valid in the following situations:

* Warranty cards and products have no serial numbers.。
* Product is damaged or show significant signs of self-disassembly.
*Any unauthorized modification (removal or replacement) made to product or it's components.
*Improper or excessive use of inappropriate repairs which result in a repair failure or injury。
* Did not follow instructions or use in an environment not suitable for product..
*Product damage caused by strong impact
*The warranty cannot be extended if the product as been serviced
*Light Source normal degradation
*Warranty card must be filled out with receipt of purchasing in order for the warranty to be valid.
*Product is damaged due to abnormal voltage or caused by other accidents (ex. Natural disasters).

3. The Company reserves the right to interpret the provisions above. The content of these articles is subject to change without notice!

Maintence

Optical components should be cleaned gently，Do not use disruptive solvent, otherwise it will damage the plastic or coated surface.

1. After the power if off, cooled completely, then open the case.

2. Blowing machine with a vacuum cleaner or pressure blower, gently blow away dust and floating objects.

3Use odorless paper or cotton cloth soaked with water or distilled water to wipe particulate, do not rub surfaces, blow any floating object with a pressurized gas.

4.Dip cotton of the alcohol or unscented tissue paper to remove dust and residues, glass cleaner may also be used, but residues must be removed with distilled water, to the circle on each side, wipe from the Center, and then wiped dry with a soft cotton cloth.

5.Using a soft brush, cotton paper, air cleaners or stress on stomatal and hair dryers that the dust from the fan out. Excessive dust, smoke and damage caused by non-normal use, out of the scope of warranty.

Declare

The product is with good performance and complete package when it is delivered. The end-user of this product should follow all the above instructions and warnings. Any damage caused by misuse, malfunction and problem caused by ignoring the instructions are not included in the repair guarantees of the manufacturer or dealers.

Inspection

In order to use the product securely and properly, please read the manual before using and follow the instructions strictly to prevent personal safety trouble and product damage caused by misuse.

Take care of the product, check the possibility of the product damage caused by transportation and check all the listed items are present upon receipt of the product:

Beam Moving Head	1	Use Manual	1
Power cable	1	Handle:	2

Installation

1. Make sure there is no flammable or explosive subjects within min 1.5 meter nearby the installation.

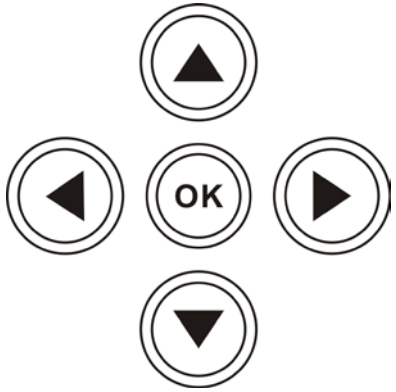
2.Before installation, please check and make sure the power supply voltage meet request of the system.

3. Please check ventilation and fans or exhaust passages are cleared.

4. The equipment should be fixed firmly.

5. For security reasons, the appliance must be earthed.

Buttons Operation Instruction



“ ◀ ”、“ ▶ ” ： Similar functions

To return to the previous interface.

“▲”、“▼”Button：

To slect、edit.

“OK”Button：

Operating function、go to edit、exit editing mode.

How to modify DMX Address:

1.Press "◀" button one or several times to go back to previous or main page.

2.Press " ▲"/" ▼" button to highlight "Setting" button.

3.Press "OK" button to modify "Setting".

4.Press "▲"/"▼" button to highlight "DMX address".

5.Press "OK" button to go into "DMX address".

6.Press " ▲ "/" ▼" button to modify "DMX address".

7.Press "OK" button to exit "DMX address" editing mode.

Technical parameters

Model / Parameters	Model A Model B	Model C Model D
Power		
Power supply	100-240V/50-60HZ	
Power consumption	400W	
Light Source		
Lamp	230W	200W
Color temperature	8000K	
Average Lifespan	2000 hour	
Color/Pattern		
Color	14 color + blank color	
Gobo	17 fixed gobo + blank gobo	
Prism	rotation 8-face prism, Bilateral rotation	
Lens	high precision optical lens, with zoom	
Focus	linear adjustment	
Dimmer	0-100% linear dimmer	
Scanning Angle		
PAN	540°	
TILT	270°	
Operation		
Control Mode	Auto / Sound/ DMX / Master-slave	
DMX	16/20CH	
Security & Package		
Work environment	Indoor: 0°C-40°C	
Macro functions	Reset/ lamp on or off can be controlled by controller；Thermal shutdown circuit；Over-current Protection Circuit；excellent ventilation and cooling effect by vertical axis fan；Fixture and lamp usage time display；Built-in analyzer for easy fault finding, error messages	
Product Size	480*405*550MM	
N.W./G.W.	21/22.6KG	
In the box	Power cord: x1 Handle: x2	

Focus – channel 9

BIT	Effect	Remarks
255	Dimmer 100%	
……	……	
0	Dimmer 0%	

Pan– channel 10

Pan Fine– channel 11

Tilt– channel 12

Tilt Fine– channel 13

Macro function- channel 14

Can choose the pattern, repeat operation mode to self-propelled self-propelled 1- 4

Reset– channel 15

Bit	Effect	Remarks
128-255	Complete Reset	Reset is activated when it is in unused range for 5 seconds.
77-127	Pan/Tilt Reset	
26-76	Effects Reset	
0-25	Unused Range	

Lamp Control– channel 16

Bit	Effect	Remarks
101-255	Lamp On	Lamp switches on when it is in unused range for 5 seconds.
10-100	Lamp Off	
0-9	Unused Range	

Extended Speed Channel

Channel	Timing Channel	Channel function	Remarks
Channel 17	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255 Slow Speed …… …… 0 Fast Speed
Channel 18	Colour time	Colour wheel	
Channel 19	Beam time	Dimmer-Prism-Frost	
Channel 20	Gobo time	Static Gobo	

Touch Screen

- The 2 buttons on top right corner used for Chinese/English Language shift and Screen Rotation button.
- 4 buttons at the bottom of screen: Setting、Information、Manual control button、Advanced button.

Settings Button:

Option	Description	
Running mode	DMX	Slave status: Receive DMX Singal from control or master
	Auto1 Auto2 Auto3 Auto 4 Up 8 Before painting to0 Forward vertical8 Forward sleep8 Random Sound- Control	Master Status：Operate automatically and send out DMX signal to slaves Note： If the lamp is extinguished before, does not lighted automatically.If you need to observe the light effects, please light bulb first,then go into automatic status.
DMX address	1~512	Press “OK” button to go into edit mode. Then press the button, the channel value is incremented by the 1-512, press the key channel value is decremented by the 512-1.Press “OK” button to exit edit mode.
Channel mode	Standard 16CH	From 17-Channel to 20-Channel invalid
	Extended20CH	From 17-Channel to 20-Channel valid
X inverse	Off	
	On	
Y inverse	Off	

	On	
XY inverse	Off	
	On	Exchange function of X & Y (fine adjustment include)
XY decoder	On	Rectify location by optical couple
	Off	No rectification
No DMX Signal	Maintain	Runs by default status
	Clear to Zero	Motor reset. stops running
Screen saver	On	Backlight turns off in 330 seconds
	Off	Backlight always on
Auto on	Off	Lights are off
	On	Automatically lights on
Linear change color wheel	On	
	Off	
Default Setings		Press “OK” button to see the confirmation box, press “OK” button again to restore default settings.

Manual Control Button:

This function is for lamp control. There is no DMX signal in or out.

Option		Description
Color wheel	0~255	Press "OK" button to enter the edit mode. Then press the button, the channel value is incremented by the 0-255, press the key channel value is decremented by the 255-0.
……	0~255	
Cut strobe light	0~255	
Dimming	0~255	
	0~255	
Gobo wheel speed	0~255	
Prism	0~255	
Prism rotation	0~255	
Prism Focus	0~255	
Atomization	0~255	
Focusing	0~255	
X-axis	0~255	
X-axis fine-tuning	0~255	
Y-axis	0~255	
Y-axis fine-tuning	0~255	
Marco Function	0~255	
Reset		Pressing “OK” button, will bring up the confirmation page. Press “OK” button again, to reset motor.
Lamp controlling	On	
	Off	

90	Fast Rotation	
85	Gobo 17	Number is always multiples of 5
80	Gobo 16	
75	Gobo 15	
70	Gobo 14	
65	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 Insertion - channel 5

Bit	Effect	Remarks
128-255	Prism Insertion	
0-127	Prism Excluded	

Prism Rotation - channel 6

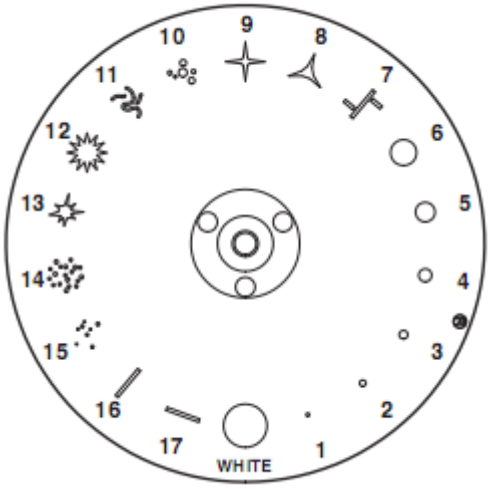
Bit	Effect	Remarks
191-255	Prism Jitter(Gradually Fast)	
130-190	Countra Rotation (Gradually Fast)	
64-129	Postive Rotation(Gradually Slow)	
0-63	Angle Adjust	

Effects Movement - channel 7（No used）

Frost – channel8

Bit	Effect	Remarks
128-255	Frost Inserted	
0-127	Frost Excluded	

Static Gobo Change - channel 4



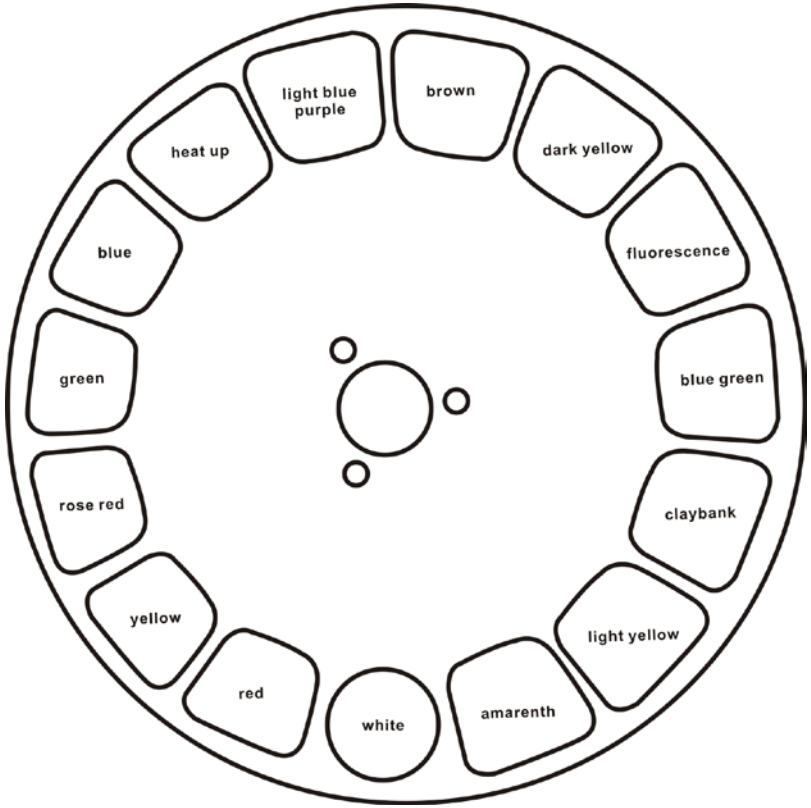
Bit	Effect	Remarks
255	Gobo 17 Shake, Fast Speed	5 figures correspond to a pattern
……	……	
251	Gobo 17 Shake, Slow Speed	
250	Gobo 16 Shake, Fast Speed	
……	……	
246	Gobo 16 Shake, Slow Speed	
……	……	
180	Gobo 2 Shake, Fast Speed	
……	……	
176	Gobo 2Shake, Slow Speed	
175	Gobo 1 Shake, Fast Speed	
……	……	
171	Gobo 1 Shake, Slow Speed	
170	Fast Rotation	
……	……	
135	Slow Rotation	
130-134	Stop	
129	Slow Rotation	
……	……	

System interface:

Option	Description
Software version	Present version
DMX channel value monitoring	Display DMX value on screen
System error records	If red ERR indicator light is on. That means there is an error. Go to sub-menu to check error. After checking. Press “OK” button to delete the error log.
4Total service time	Accumulate service time
Present service time	Accumulate present service time
Total bright bubble time	The total time recorded several light bulbs
The bright bubble time	Time recording this bright bulb

Channel	Channel Model	
	16	20
1	Colour Wheel	Colour Wheel
2	Stop/Strobe	Stop/Strobe
3	Dimmer	Dimmer
4	Static Gobo Change	Static Gobo Change
5	Prism Insertion	Prism Insertion
6	Prism Rotation	Prism Rotation
7	Effects Movement(Un used)	Effects Movement(Un used)
8	Frost	Frost
9	Focus	Focus
10	Pan	Pan
11	Pan Fine	Pan Fine
12	Tilt	Tilt
13	Tilt Fine	Tilt Fine
14	Marco Function	Marco Function
15	Reset	Reset
16	Lamp Control	Lamp Control
17		Pan-Tilt-Time
18		Colour Time
19		Dimmer –Prism-Frost time
20		Gobo Time

Color Wheel -channel 1



Bit	Effect	Remarks
255	Fast Rotation	The color digits are always a multiple of 5. The color scale can be adjusted, for example: If digit is 5: 50% white,50% red; if digit is 4: 60% white and 40% red; If digit is 6: 40% white,60% red.
……	……	
150	Slow Rotation	
145	Amaranth +White	
140	Amaranth	
135	Light Yellow + Amaranth	
130	Light Yellow	
125	Clay Bank + Light Yellow	
120	Clay Bank	
115	Blue Green + Clay Bank	
110	Blue Green	
105	Fluorescence + Blue Green	
100	Fluorescence	
95	Dark Yellow + Fluorescence	
90	Dark Yellow	

85	Brown + Dark Yellow	
80	Brown	
75	Light Blue Purple + Brown	
70	Light Blue Purple	
65	Gold Color + Light Blue Purple	
60	Gold Color	
55	Blue + Gold Color	
50	Blue	
45	Green + Blue	
40	Green	
35	Rose Red + Green	
30	Rose Red	
25	Yellow + Rose Red	
20	Yellow	
15	Red + Yellow	
10	Red	
5	White+ Red	
0	White	

Stop/Strobe–channel 2

Bit	Effect	Remarks
252-255	Open Light	Controlled by the dimmer channel
213-251	Random Strobe(Gradually Fast)	
208-212	Open Light	Controlled by the dimmer channel
4-207	Strobe(Gradually Fast)	
0-3	Close Light	

Dimmer-channel 3

Bit	Effect	Remarks
255	100%	
……	……	
0	0%	