LED BEE EYE MOVING HEAD LIGHT
MJ-1036

INSTRUCTION MANUAL

Thank you for choosing our LED moving head light. For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Catalogue

Chapter	Page

☆Important notice:

In this instruction for use contains about the installment and the use aspect important information of the LED moving head. When installing and using, you need to look this usage instruction strictly.

· Before open the LED moving head and if you want to do the repair work, please make sure the power source is at the separation condition.

· Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer or dealer.

Attention: Unceasingly carries on the product improvement about our company the policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains when the product improvement changes the related specification the authority. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

SAFE USAGE OF THE PRODUCT

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The product is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.

The product is not designed or intended to be mounted directly on to inflammable surfaces

The product is only intended for installation, operation and maintenance by professional person.

The product must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.

Do not product the beam onto inflammable surfaces, minimum distance is 5m. ◁ 5m ℰ

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

Keep the optical system clean. Do not touch the LED lens with bare hands.

The product should always be installed with a secondary safety fixing. On the projector base brink, there is a hole for the safety cord provided. It should be attached as shown in "installing the projector" section.

LED lens shall be changed if they have become visibly damaged to such an extent that their

effectiveness is impaired, for example by cracks or deep scratches. ⊗-⌀

Exterior surface temperatures of the luminaire after 5 minutes operation is 40°C，when steady state is achieved 50°C.

There is no user serviceable parts inside the projector, do not open the housing and never operate the product with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

★**Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !**

Install The Equipment:

Use 1pcs clamp (need to purchase).Use clamp fix with light hook which in the packing box with light, then use screw install to the bottom of lamp. Hang the fixture on the structure and fasten the screws attached to each clamp. Make sure the light is installed reliable, and confirm the light which you fixed is strong enough for hanging the light. Base on safety reason, please according to the above picture using safety wire cross the light to make it strong enough again.

Warning!
1. Hook and clamp only use for hanging the light. Do not use clamp as a tool to move fixtures.
2. Don't use the handle of the moving head light to fixed or lift!

Power Code Connection:

Connect the power cord as follows:

L (live) =brown
E (earth) =yellow/green
N (neutral) =blue

Use the plug provided to connect the mains power to the projector paying attention to the voltage and frequency marked on the panel of the projector. It is recommended that each projector be supplied separately so that they may be individually switched on and off.

★It is essential that each projector is correctly earthed and the electrical installation conforms to all relevant standards.

DMX Connection:
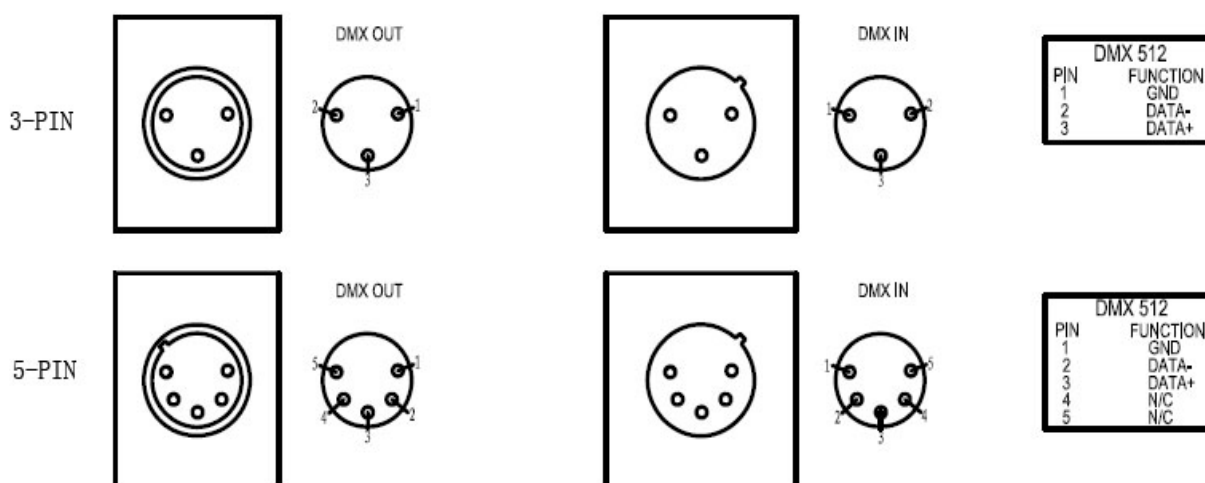
Connection between the controller and a projector and between one projector and another must be made with a 2 core-screened cable, with each core having at least a 0.5mm diameter. Connection to and from the projector is via cannon 3 pin (which are included with the projector) XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way. The XLED 590 accepts digital control signals in protocol DMX512 (1990).

Connect the controller's output to the first fixture's input, and connect the first fixture's output to the second fixture's input and connect the rest fixtures in the same way. Eventually connect the last fixture's output to a DMX terminator as shown in the figure below.

DMX Terminator:

In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.

Function Set:

Menu   down   up   Enter
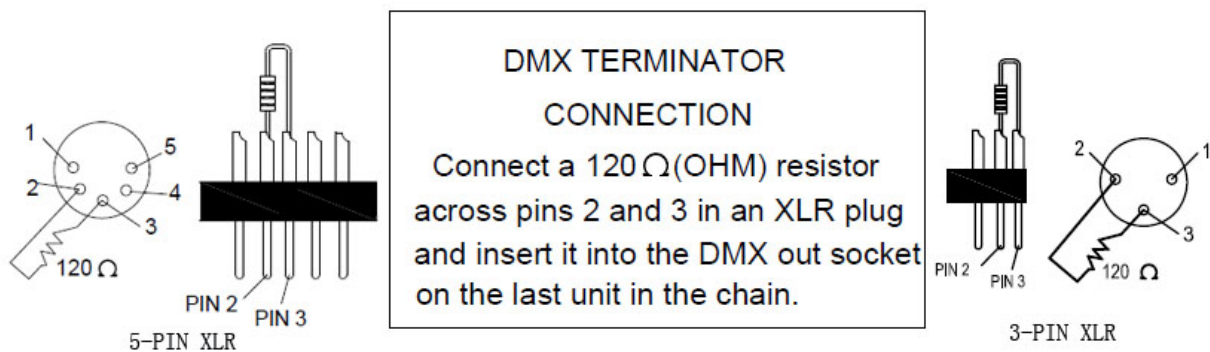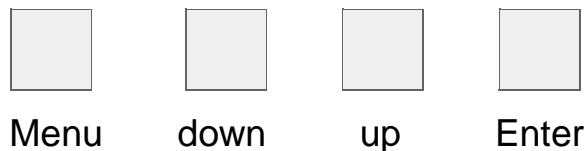
Use button switch and LED display, can set the address code and function code easily.

Check or modify lighting function settings, Press the MENU button. LED display panel will display function menu of lighting. Function operation menu all have corresponding submenu. Each menu all represent the specific functions of lamps, specific see below "operation menu" section.

Set or browse function setting of lamp, Press UP or DOWN button.
Press ENTER button to save your changes or to ENTER submenu, Press UP or DOWN can change value(Plus or reduce number).
According to the ENTER   key to return to the last menu.

Menu Map

```
MENU  ──→  Address  ──→  (001~512)

           Run  ──→  DMX512
                     Artnet
                     Auto1
                     Auto2
                     Sound1
                     Sound2

           Dmx Mode  ──→  Normal
                          Standard
                          Shapes
                          Extended
                          Extended RGBW
                          FULL

           Test  ──→  ALL
                      Pan&Tilt
                      LED

           Set  ──→  Disp.setting  ──→  Shatoff time  ──→  02-60m
                                        Flip display        ON/OFF
                                        Key lock            ON/OFF
                                        Disp flash          ON/OFF

                     Pan  ──→  Normal
                               Reverse

                     Tilt  ──→  Normal
                                Reverse

           Info  ──→  Time Info  ──→  Power on       ──→  xxx(House)
                                      Ttl Life Hrs   ──→  xxx(House)
                                      Last Run Hrs   ──→  xxx(House)

                      Temp Info  ──→  Head Temp      ──→  xxx℃

                      Software Ver  ──→  Vxx

           Reset  ──→  All Reset  ──→  No
                                       Yes
```

DMX MODE:

STANDARD MODE

Channel	Function
CH1	Red
CH2	Red fine
CH3	Green
CH4	Green fine
CH5	Blue
CH6	Blue fine
CH7	White
CH8	White fine
CH9	Linear CTO
CH10	Macro colour
CH11	Strobe
CH12	Dimmer
CH13	Dimmer Fine
CH14	Pan
CH15	Pan Fine
CH16	Tilt
CH17	Tilt Fine
CH18	Function
CH19	Reset
CH20	Zoom
CH21	Zoom Rotation

SHAPES MODE

Channel	Function
CH1	Red
CH2	Red fine
CH3	Green
CH4	Green fine
CH5	Blue
CH6	Blue fine
CH7	White
CH8	White fine
CH9	Linear CTO
CH10	Macro colour
CH11	Strobe
CH12	Dimmer
CH13	Dimmer Fine
CH14	Pan
CH15	Pan Fine
CH16	Tilt
CH17	Tilt Fine
CH18	Function
CH19	Reset
CH20	Zoom
CH21	Zoom Rotation
CH22	Shape Selection
CH23	Shape Speed
CH24	Shape Fade
CH25	Shape R
CH26	Shape G
CH27	Shape B
CH28	Shape W
CH29	Shape Dimmer
CH30	Background Dimmer
CH31	Shape Transition
CH32	Shape Offset
CH33	Foreground Strobe（reserved）
CH34	Background Strobe（reserved）
CH35	Background Select（reserved）

EXTENDED MODE

Channel	Function
CH1	Red
CH2	Red fine
CH3	Green
CH4	Green fine
CH5	Blue
CH6	Blue fine
CH7	White
CH8	White fine
CH9	Linear CTO
CH10	Macro colour
CH11	Strobe
CH12	Dimmer
CH13	Dimmer Fine
CH14	Pan
CH15	Pan Fine
CH16	Tilt
CH17	Tilt Fine
CH18	Function
CH19	Reset
CH20	Zoom
CH21	Zoom Rotation
CH22	Red LED 1
CH23	Green LED 1
CH24	Blue LED 1
CH25	Red LED 2
CH26	Green LED 2
CH27	Blue LED 2
….	Red LED …
….	Green LED …
….	Blue LED …
CH76	Red LED 19
CH77	Green LED 19
CH78	Blue LED 19

EXTENDED RGBW MODE

Channel	Function
CH1	Red
CH2	Red fine
CH3	Green
CH4	Green fine
CH5	Blue
CH6	Blue fine
CH7	White
CH8	White fine
CH9	Linear CTO
CH10	Macro colour
CH11	Strobe
CH12	Dimmer
CH13	Dimmer Fine
CH14	Pan
CH15	Pan Fine
CH16	Tilt
CH17	Tilt Fine
CH18	Function
CH19	Reset
CH20	Zoom
CH21	Zoom
CH22	Red LED 1
CH23	Green LED 1
CH24	Blue LED 1
CH25	White LED 1
….	Red LED …
….	Green
….	Blue LED …
….	White
CH90	Red LED 18
CH91	Green LED
CH92	Blue LED 18
CH93	White LED
CH94	Red LED 19
CH95	Green LED
CH96	Blue LED 19
CH97	White LED

FULL MODE

Channel	Function
CH1	Red
CH2	Red fine
CH3	Green
CH4	Green fine
CH5	Blue
CH6	Blue fine
CH7	White
CH8	White fine
CH9	Linear CTO
CH10	Macro colour
CH11	Strobe
CH12	Dimmer
CH13	Dimmer Fine
CH14	Pan
CH15	Pan Fine
CH16	Tilt
CH17	Tilt Fine
CH18	Function
CH19	Reset
CH20	Zoom
CH21	Zoom Rotation
CH22	Shape Selection
CH23	Shape Speed
CH24	Shape Fade
CH25	Shape R
CH26	Shape G
CH27	Shape B
CH28	Shape W
CH29	Shape Dimmer
CH30	Background
CH31	Shape
CH32	Shape Offset
CH33	Foreground
CH34	Background
CH35	Background
CH36	Red LED 1
CH37	Green LED 1
CH38	Blue LED 1
….	Red LED …
….	Green LED …
….	Blue LED …
CH90	Red LED 19
CH91	Green LED 19
CH92	Blue LED 19

NORMAL MODE

Channel	Function
CH1	Pan
CH2	Pan Fine
CH3	Tilt
CH4	Tilt Fine
CH5	XY Speed
CH6	Zoom
CH7	Zoom Rotation
CH8	Dimmer
CH9	Strobe
CH10	Red
CH11	Green
CH12	Blue
CH13	White
CH14	Macro color
CH15	Shape Selection
CH16	Shape Speed
CH17	Shape Fade
CH18	Shape R
CH19	Shape G
CH20	Shape B
CH21	Shape W
CH22	Background
CH23	Reset

SHAPES,FULL Channel List

22 Channel value	22 Channel effect	Random Color	23 Channel	23 Channel
		Show random Color when pattern is 0	Adjustable Angle of pattern effect: angle adjustment need 23 CH and 32CH toghter	
0-7	Pattern Void	N.a	N.a	N.a
8	Middle circle dot			
9	The second circle			
10	Outer Circle			
11	Pattern Void			
12	Inside 7 leds			
13	Middle+ outer Circle			
14	Pattern Void			
15	Inside-out(single circle)	Yes	0-10 No function 11-31 Step 1 32-47 Step 2 48-62 Step 3 63 No function 64-158 Positive speed, From fast to slow 159-160 Pause 161-255 opposite speed, From slow to fast	N.a
16	Inside-out(Overlay)	Yes		
17	Circle ON first, Off later	Yes	0-10 No function 11-31 Step 1 32-52 Step 2 53-62 Step 3 63 No function 64-158 Positive speed, From fast to slow 159-160 Pause 161-255 opposite speed, From slow to fast	N.a
18	Circle ON first, Off later (Overlay)	Yes		
19	Random effect 1	Yes	0-63 Pause 64-158 speed, From fast to slow 159-160 Pause 161-255 speed, From slow to fast	N.a
20	Random effect 2	Yes		
21	Rainbow effect 1(outer 2 leds)	N.a	0-5,63 0℃ 6-10 30℃	0-21 0℃ 22-42 30℃

			11-15 60℃ 16-20 90℃ 21-26 120℃ 27-31 150℃ 32-36 180℃ 37-41 210℃ 42-47 240℃ 48-52 270℃ 53-57 300℃ 58-62 330℃ 64-158 Anticlockwise, From fast to slow 159-160 Pause 161-255 Clockwise, From slow to fast	43-63 60℃ 64-84 90℃ 85-106 120℃ 107-127 150℃ 128-148 180℃ 149-169 210℃ 170-191 240℃ 192-212 270℃ 213-233 300℃ 234-254 330℃ 255 0℃
22	Rainbow effect 2(outer 3 leds)	N.a	0-63 No function 64-158 Anticlockwise, From fast to slow 159-160 Pause 161-255 Clockwise, From slow to fast	
23	Fan pattern	N.a	0-5,63 0℃ 6-10 30℃ 11-15 60℃ 16-20 90℃ 21-26 120℃ 27-31 150℃ 32-36 180℃ 37-41 210℃ 42-47 240℃ 48-52 270℃ 53-57 300℃ 58-62 330℃ 64-158 Anticlockwise, From fast to slow 159-160 Pause 161-255 Clockwise, From slow to fast	0-21 0℃ 22-42 30℃ 43-63 60℃ 64-84 90℃ 85-106 120℃ 107-127 150℃ 128-148 180℃ 149-169 210℃ 170-191 240℃ 192-212 270℃ 213-233 300℃ 234-254 330℃ 255 0℃
24	Stick pattern	N.a		
25	Semicircle pattern	N.a		
26	sector pattern	N.a		
27	Half-stick pattern	N.a		
28	Outer 3 LED	N.a		
29	Outer semicircle	N.a		
30	Bar pattern	N.a		
31-255	No function	N.a		

Maintenance:

To prolong the life of the projector, some maintenance work has to be done to ensure the LED optical system in good condition. If the projector does not function, check the fuses on the power socket of the projector, they should only be replaced by fuses of the same specification. Should these be damaged, call a qualified technician before replacement. The projector has thermal protection device that will switch off the projector in case of overheating. Should either of these operate, check that the fans are not blocked, and if they are dirty, clean them before switching on the projector again. Check that the fans are operational, if not, call a qualified technician.

☆**Any maintenance work should only be carried out by qualified technicians.**

Keeping The Product Clean:

To ensure the reliability of the projector, it should be kept clean. It is recommended that the fans should be cleaned every 15 days. LED lens should also be regularly cleaned to maintain an optimum light output.

Cleaning frequency depends on the environment in which the fixture operates: damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. A soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean the external optics at least once every 15 days.

☆**Do not use any organic solvent, e.g. alcohol, to clean housing of the apparatus.**

Trouble Shooting:

Problem	Answer
The LED moving head light doesn't switch on.	Check the fuse the power socket
Although shines, but the LED moving head lamp doesn't accept the instruction of the controller.	Check the digital start address and also check the connection situation of the communication control line
LED moving head lamp only can work intermittently.	Inspect the power supply and voltage is whether normal.
Do not receive the DMX512 signal.	Whether the signal lines do contact well or broken.
The light beam appears gloomily.	Check that the heat dissipation system is running normally or Inspect the optics part is whether clean.

☆**Other maintain work should by the specialist which has the experience to carry on.**

Equipment and Appendix:

The packing list of this light as follows:
- ☆ Led moving head light   1pcs
- ☆ Power Cable   1pcs
- ☆ XLR connector   1unit
- ☆ Light Hook   2pcs
- ☆ The Product of Instruction   1pcs

Technical Parameters:

Power supply: AC110V-250V
Frequency: 50-60Hz
Power consumption: 450W
Light source: 19pcs OSRAM 15W 4 in 1 LED
LED Drive Current: 1000mA
Lamp life: 6-10 ten thousand hrs
Pan movement: 540 degrees
Tilt movement: 210 degrees
Pan/Tilt resolution: 8-16 bit
Zoom: 4°-60°
Dimmer: 0-100% electronic dimmer
Strobe: 0-20 times / sec, adjustable
Control channels: 21CH(Standard)/35CH(Shapes)/78CH(Extend) /97CH(Extend RGBW) /92CH(Full)/23CH(Normal)
Control mode: DMX512, master/slave, sound active,Auto
Cooling: low noise fan
Operation Temperature: -20°C ~45°C
Operation menu: LCD screen display
Packing size: 530*420*510mm
N.W: 15kg
G.W: 18.2kg