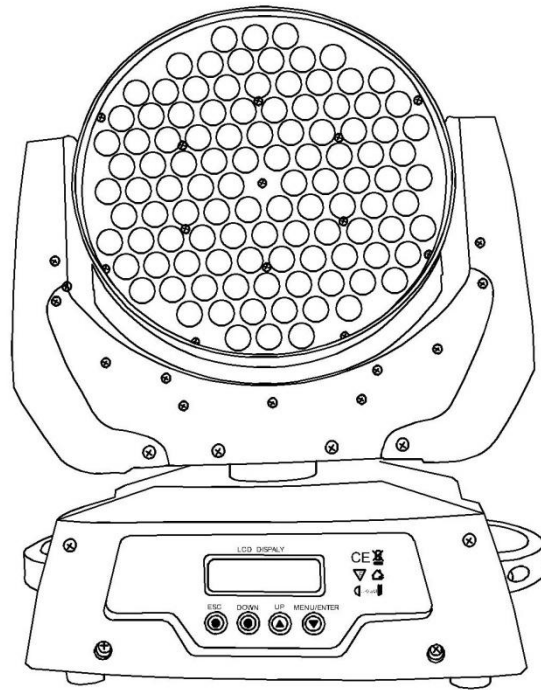


# LED Moving Head Light

**MJ-1006**



## User 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

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## ☆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 

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.  

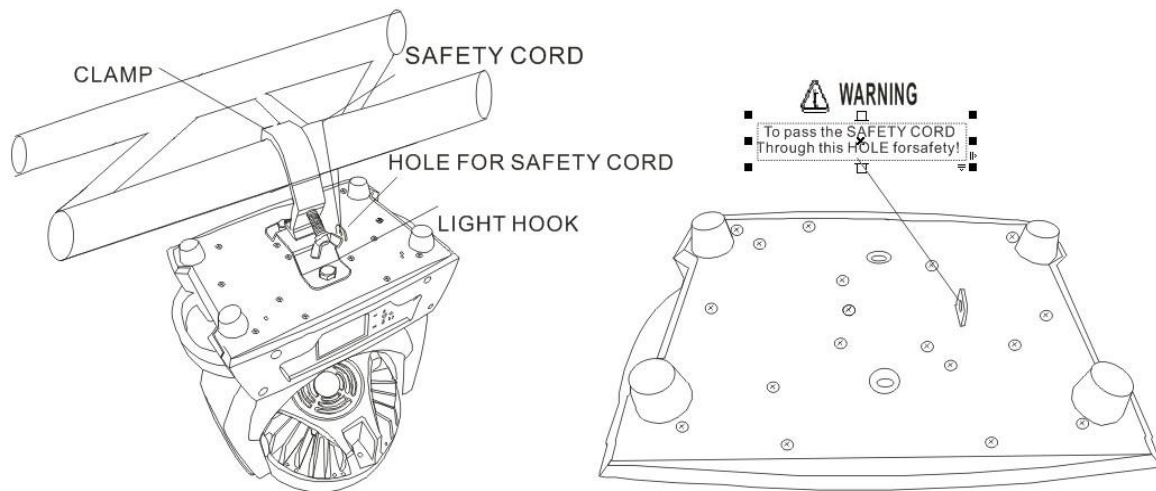
Exterior surface temperatures of the luminaire after 5 minutes operation is 40 °C, when steady state is achieved 50 °C.

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 and safety cord(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. Base on safety reason, please use the safety cord which can afford the weight ten times of lamp through Insurance hole for auxiliary hanging.
3. 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

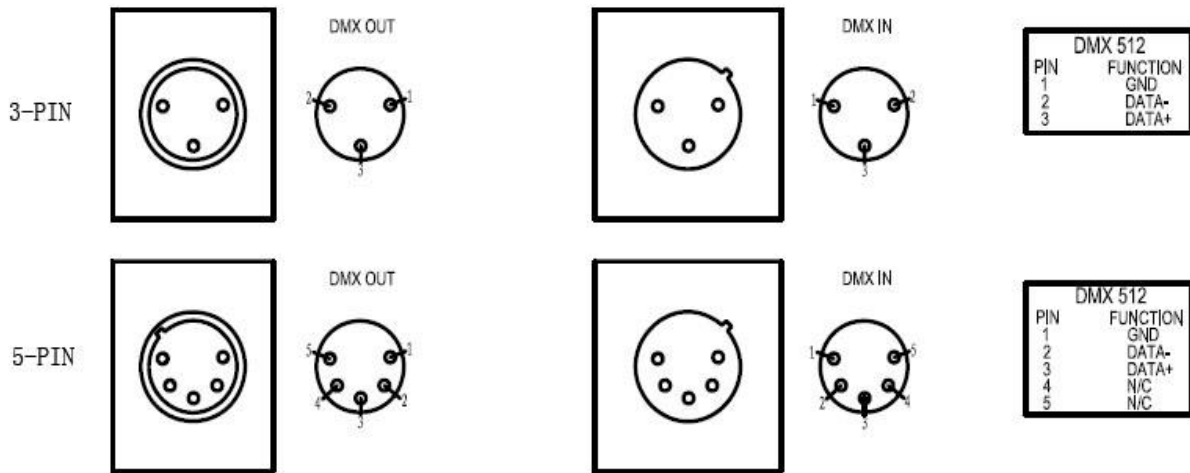
E (earth) =yellow/green

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.

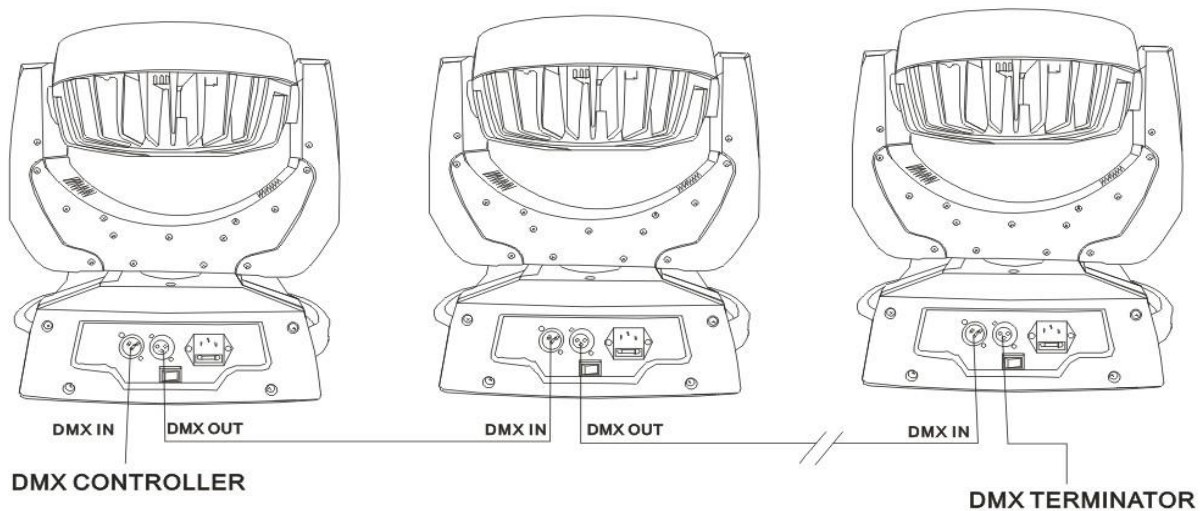
## DMX Connection:



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).

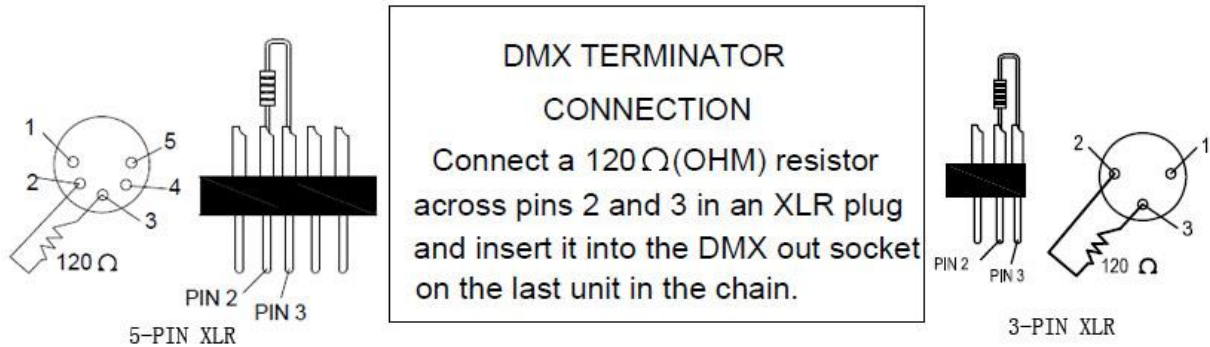
Connect the controller's output to the first fixture's input, and connect the first fixture's output to the second fixture's input and connect the rest fixtures in the same way. Eventually connect the last fixture's output to a DMX terminator as shown in the figure below.



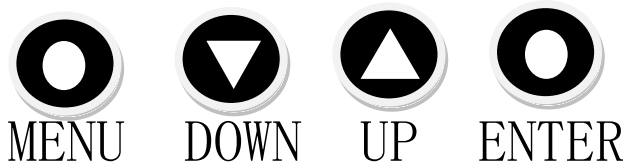
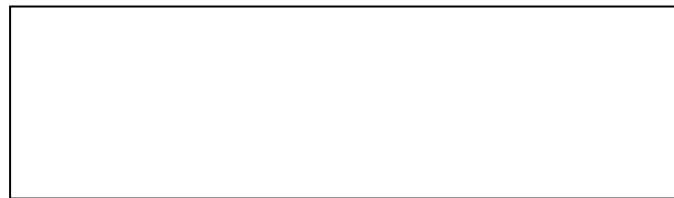
## DMX Terminator:

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:



Use button switch and LCD display, can set the address code and function code easily.

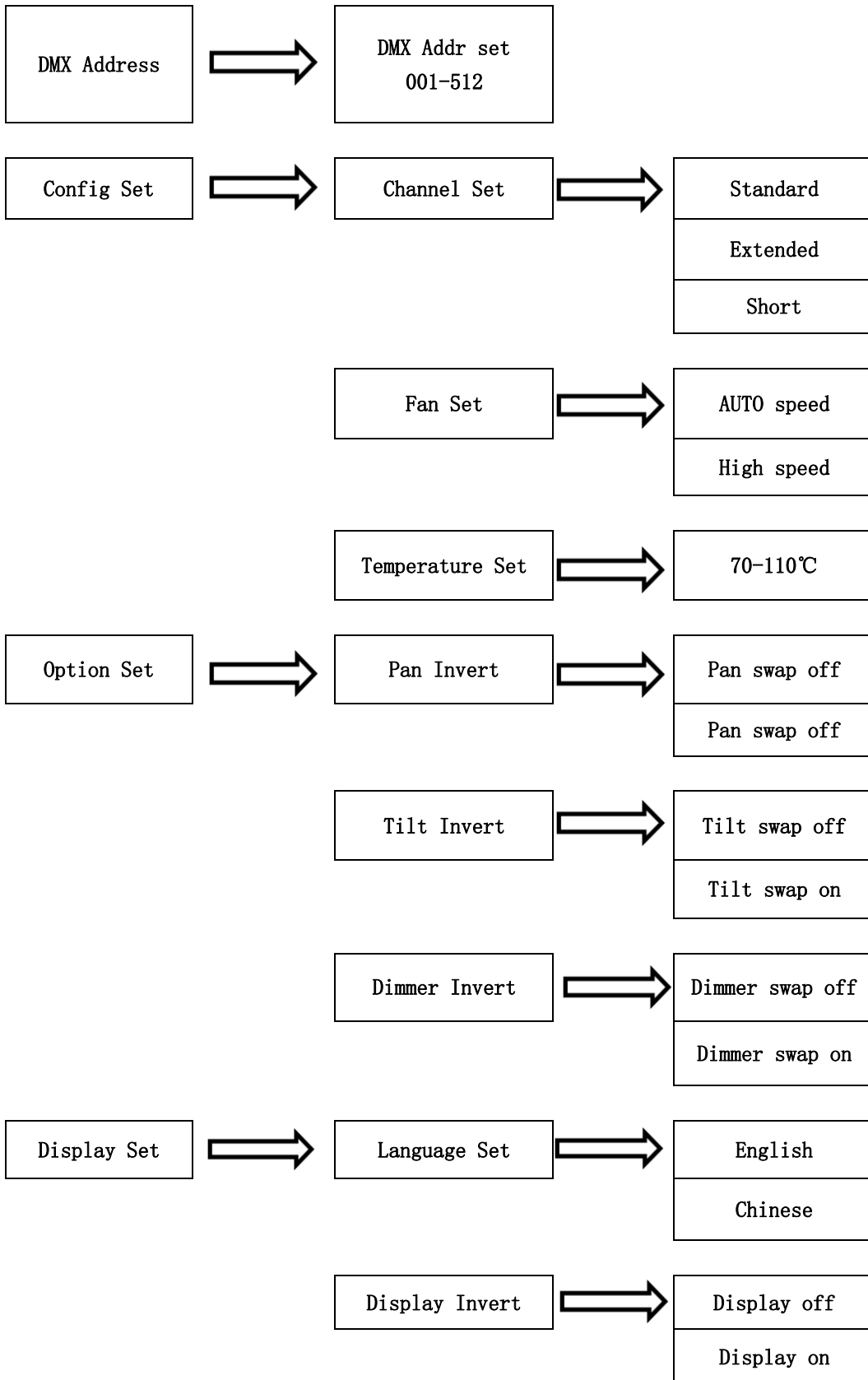
Check or modify lighting function settings, Press **ENTER** button, LCD display panel will display function menu of lighting. Function operation menu all have corresponding submenu. Each menu all represent the specific functions of lamps, specific see below "operation menu" section.

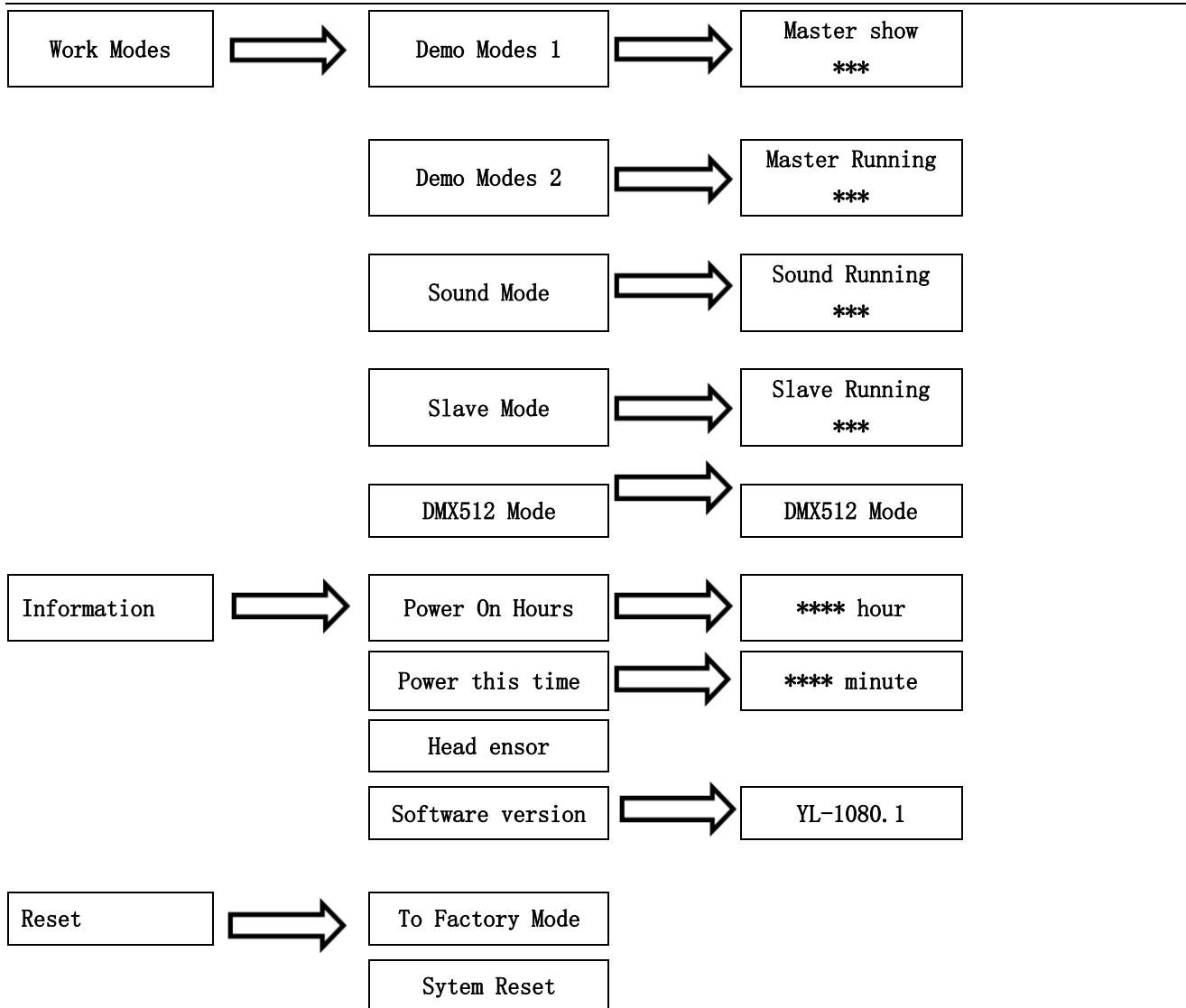
Set or browse function setting of lamp, press **UP** or **DOWN** key.

Press **ENTER** key to save your changes or to **ENTER** submenu, press **UP** or **DOWN** can change value(Plus or reduce number).

According to the **MENU** key to return to the last menu. If do not press **MENU** key, system will return to display state automatic.

## Operation Menu:





**> DMX512 Address code Settings:**

1. Press “Menu” button to Set DMX Address, to confirm by press “ENTER” button.
2. Show Set DMX address DMX address:001, correct by pressing “UP&DOWN” button.
3. Press “ENTER” button to save and quit. Press “MENU” button to quit no saving

**> Config Settings:**

1. Press “Menu” button to Config Settings , and choose channel quantity select, it will be show Standard ,Extended , Short three mode, to confirm by press “ENTER” button.
2. Show Fan Settings, choose menu by pressing ”UP&DWON” button, will show AUTO speed and high speed, correcting by “UP&DOWN” Button.
3. Show temperature Settings, and press the menu choose set the temperature.
4. Press “ENTER” button to save and quit. Press “MENU” button to quit no saving.

**> Option Settings**

1. Press “Menu” button to choose Options Settings, it will be show Pan invert, Tilt Invert and Dimmer invert three options. confirm by press “ENTER” button.



2. Show Pan invert , Choose menu by pressing "UP&DWON" button, will show pan swap . correcting by "ENTER" Button.
3. Show Tilt invert , Choose menu by pressing "UP&DWON" button, will show tilt Swap and tilt DMX swap.. correcting by "ENTER" Button.
4. Show Dimmer invert, Choose menu by pressing "UP&DWON" button, will show Dimmer Swap and dimmer invert. correcting by" ENTER" Button.
5. Press "ENTER "button to save and quit. Press "MENU" button to quit no saving.

#### > Display options settings.

1. Press "Menu" button to Set display option, Will show languages and display invert functions. confirm by press "ENTER" button.
2. Show languages selections , Choose menu by pressing "UP&DWON" button, will show English and Chinese functions, correcting by "ENTER" Button.
3. Show display invert functions. Choose menu by pressing "UP&DWON" button, will show display invert on and display invert off. correcting by "ENTER" Button..
4. Press "ENTER "button to save and quit. Press "MENU" button to quit no saving.

#### > Work modes

1. Press "Menu" button to Set work modes, confirm by press "ENTER" button.
2. Show DEMO modes 1, press "ENTER" button, Will show program demo ,
3. Show DEMO modes , correct by pressing "ENTER" button. Will show modes running.
4. Show sound mode ,press "ENTER" will show sound control running.
5. Show slave mode, press "ENTER" will show slave running
6. Show DMX512 mode, press " ENTER" will show main screen running status.
7. Press "ENTER" button to save and quit. Press "MENU" button to quit no saving.

#### > Information

1. Press "Menu" button to information , confirm by press "ENTER" button. It will show Power On Hours, Power this time ,Head Sensor, Software Version.
2. Press "ENTER" button to save and quit. Press "MENU" button to quit no saving.

#### > Reset

1. Press "Menu" button to Reset, , confirm by press "ENTER" button, it shows reset.

## 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:

<b>Problem</b>	<b>Answer</b>
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
- ☆ Signal Cable 1pcs
- ☆ Light Hook 1pcs
- ☆ M10 Screw 2pcs
- ☆ The Product of Instruction 1pcs

## Channel List:

Short mode	Standard mode	Extended mode	Function	DMX Value	Effect
----	1CH	1CH	Main dimming	0-255	
1CH	2CH	2CH	R dimming	0-255	
2CH	3CH	3CH	G dimming	0-255	
3CH	4CH	4CH	B dimming	0-255	
4CH	5CH	5CH	W dimming	0-255	
5CH	6CH	6CH	Strobe	0-10	No strobe
				10-255	Strobe speed
----	7CH	7CH	Marco Strobe	0-32	Standard white strobe
				64	R bottom color strobe
				96	RG bottom color strobe
				128	G bottom color strobe
				160	GB bottom color strobe
				192	B bottom color strobe
				224	BR bottom color strobe
				255	All flashed
----	8CH	8CH	Marco speed	0-255	
----	9CH	9CH	Marco Effect	0-10	Full Functions
				60	Jumping effect
				110	Gradually effect
				160	Impulse effect
				210	Static state select color
				255	Sound control start
6CH	10CH	10CH	X	0-255	
7CH	11CH	11CH	Y	0-255	
----	----	12CH	X16B	0-255	
----	----	13CH	Y16B	0-255	
8CH	----	14CH	XY speed	0-255	
9CH	12CH	15CH	Reset	0-254	No Functions
				255	System reset

## Technical Parameters:

**Construction:** Composite plastic, die-casting aluminum,

**Voltage:** AC90V-240V; 50/60Hz

**Power Consumption:** 360W @(220V)

**LED Bulbs:** 3W\*108LEDs(Red:18pcs;Green:36pcs;Blue:36pcs;White:18pcs)

**LED Current:** 750mA

**LED Lifetime:** 50000Hours

**Colors:** RGBW color mixing

**Adjusts the light:** 0-100 electron adjusts the light, various colors may alone move also may mix the color tone

**Strobe:** 1-25/second high speed strobe, but single color Mixes the color strobe

**Head Movement:** Pan 540°, Tilt 270°, with auto position correction and electronic replacement function.

**Beam Angle:** 25°

**Control mode:** DMX 512, Stand –alone mode, Self-test mode, Sound, Master/slave

**DMX Channel:** 9CH, 11CH, 15CH

**Control Panel:** LCD display

**IP Grade:** IP20

**Work Environment Temperature:** -20 °C~40 °C

**Other Functions:** Pan and Tilt speed adjustable; Fan automatic control function; Display LED lamps and lanterns use time; Menu inversion

**Net weight:**9.5KG

**Gross Weight:** 11.3 kg

**Package Size:** 42 x 33 x 46cm

**Light Size(see it below)**

