

# 108pcs\*3w LED Moving Head Light User manual



## Read it carefully before use it.

### 1.DISPACKING

Thank you for using our company products. For your own safety, please read this manual carefully before installing the device. This manual covers important information about the safe installation and operation of your LED fixture. Please carefully follow the instructions in the manual and keep it in good condition for continued reference.

Our moving wash light fixture is made of a new type of high-temperature plastic with a cast aluminum casing to create a beautiful finish fully characteristic of modern lighting products. Each product is manufactured in strict compliance with CE electrical code standards and fully compatible with standard DMX512 control protocol. The fixture may be controlled alone or in a daisy-chain grouping and is suitable for professional stage events, large-scale performances, theaters, studios and Discos.

The Moving Head Light incorporates a powerful LED lamp of international manufacture with a unique proprietary design. Upon receiving your light fixture, please carefully check for any damage as a result of shipping or mishandling and that all listed parts are

included.

Product Fixture: 1  
Fastening Clamp : 1

Signal cable: 1  
Manual: 1

### 2.CAUTION

Installation and maintenance should only be done by a qualified technician.

For installation and operation, please follow the manual instructions carefully.

Attention:

- Avoid making any electrical connections or operating this equipment in wet or damp conditions.
- Always disconnect power to the unit before opening.
- Keep Clear of the High Voltage circuits inside the fixture. Only qualified service technicians are authorized to perform maintenance services or repair.
- The factory takes no responsibility for loss or damages incurred should the device be used improperly or modified in any way that does not conform to the instructions contained in the manual.
- Never connect the power cable to any other cable.
- Confirm that sufficient, stable voltage and

amperage is available to operate the machine.

- Make sure that the machine is "Off" before connecting to the power source.
- Confirm that the power cable is not crimped or damaged. Always remove the fixture from the power point by pulling from the plug, not the cable. Never tug or pull on the cable.
- Always shut off the power when not in operation or being serviced.
- Always connect the green/yellow wire to a reliable earth ground prior to making any other connections. Power connections should only be made by professional electrical service personnel.
- Never connect the machine to lighting dimmer equipment.
- Don't repeatedly switch the machine 'on' and 'off' or in short intervals. This drains life from the LED element and can cause damage to the device.
- The machine may initially emit a slight machine odor during the first few hours of operation. This is quite normal and harmless and will quickly dissipate within a few hours.
- Never look directly into the lamp house while in operation. People with severe eye conditions or epilepsy are especially warned not to look directly into the light source.

### 3. INSTRUCTIONS

- This device is a lighting instrument designed solely for the purposes of entertainment and decorative lighting and should not to be used for any other purpose.
- Do not re-start the machine if there has been a dramatic change in the environment temperature. Significant changes in temperature may cause damage to the machine. Wait to re-start the unit until the ambient temperature has stabilized to that of the machine.
- Be mindful of any electrical charge or static present on the device. Check all cabling.
- Never pick the machine up by the optical head. Use proper care in transporting.
- Avoid installing in overheated, damp or dusty environments.
- Avoid laying signal or power cables on the ground or in exposed areas.
- At the base of this product is a hole intended for the installation of a safety cable. Please make sure that the safety cable is always attached when clamping the fixture to it's hanging or fastening point.
- Never start the unit until all fastening points are tightened and secured.
- Special Caution: If there is visible damage to the

optical lens, you must replace the lens in order to get the proper effect results.

- Never allow unqualified or untrained people to operate or service this device.

- Any change or modification to the machine is strictly forbidden unless properly approved by the manufacturer.

- In the event of the need to return the light to the manufacturer, use the original packing to ship the device in.

- All guarantees are null and void if the device is not controlled or maintained according to the instructions in the manual. Short circuit damage, UV exposure and failure of the LED module are all indications of improper installation or servicing.

#### 4. Install The Equipment

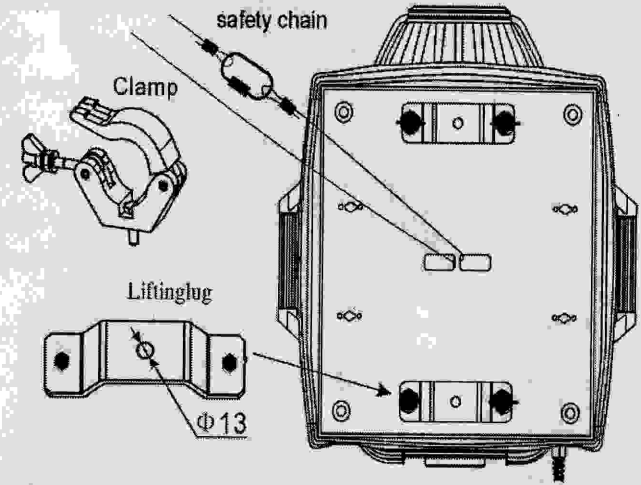
During installation, make sure no flammable substances are present within 0.5 meters of the device.

**WARNING:** Use the two fastening clamps to affix the base of the machine securely to its hanging position. Always make sure that the attachment point is safe and can withstand ten times the weight of the light. After hanging the fixture, inspect that the support

point has not sagged or loosened after one hour.

- Always use additional safety cable protection to avoid the failure of a hanging point.

The safety cable can be installed on the unit as shown in the following illustration




Stranded wire cable is the preferred material with which to make a safety cable and should be capable of supporting 10x the weight of the machine. You should also use stranded steel cable with copper Ferrell ends and properly crimped Nikko sleeve braces. A safety locking carabineer is then attached through the two looped ends of the steel wire to

prevent the unit from falling away from its position. The stranded wire passes through the hole at the base of the fixture and is then wrapped and tightened around the support beam or truss.

## 5.The Connect of Main Frame

- Confirm that all power is safely available before connecting to the power source!
- Use only a properly wired plug to connect the machine to the power source.

(European Union)wire	(United states)wire	Line	Mark
Brown	Black	Live	L
light blue	White	Neutral	N
yellow/green	green	Earth	

### Connecting DMX-512

Connect the XLR-XLR control wire from DMX Pulse Output of the controller to the light unit.

XLR connection: DMX output

XLR plug seat



1. Earth wire 2. Cathode 3.



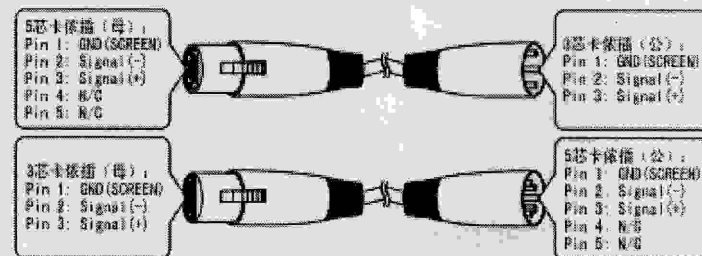
Anode

DMX plug

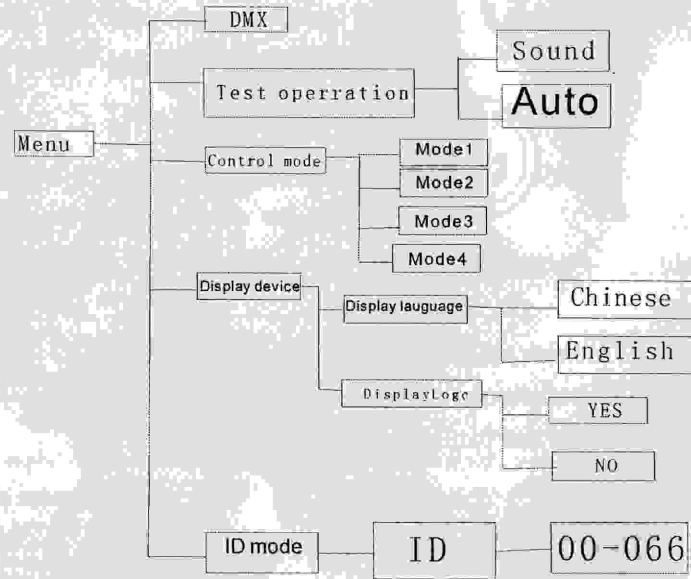
Attention: The

last fixture in the DMX signal line must have a terminal plug with

a 120Ω resistor placed between the signal- and signal+ pins of the XLR connector and inserted into the Pulse DMX Output of the last fixture in the DMX signal line.



## 6. Set of the display



## 7. The Channel

CH1: Horizontal Scan 0-540°

CH2: Vertical Scan 0-280°

CH3: Strobe

000 - 006: No Strobe

007 - 065: Strobe - min to max speed

066 - 069: No Strobe

070 - 128: Lightning Electromagnetic Pulse – min to max speed

129 - 132: No Strobe

132 - 191: Fade-in strobe - min to max speed

192 - 195: No Strobe

196 - 255: Fade-out strobe - min to max speed

CH4: Dimmer 0-100 adjust gamma

CH5: Color changing

CH6: Red (R) 0-100% adjust brightness

CH7: Green (G) 0-100% adjust brightness

CH8: Blue (B) 0-100% adjust brightness

CH9: RGB macro function

000-004: No macro function

005-044: Eight kinds of fixed color

045-049: No function

050-094: Eight skip loop change color

095-099: No function

100-149: Eight kinds of circle color

150-154: No function

155-166: Red + Green from dark to bright

167-178: Green + Red from bright to dark

179-190: Green + Blue from dark to bright

191-202: Blue + Green from bright to dark

203-214: Blue + Red from dark to bright

215-226: Red + Blue from bright to dark

227-238: Red, Green + Blue from dark to bright

239-250: Blue + Red from dark to bright and  
Green from bright to dark

251-255: output 100% at the same time

CH10: Y scan fine-tuning

CH11: X scan fine-tuning

CH12: Reset

## 8.SKILL SPECIFICATION

Power source:

1. Standard voltage:AC90v-260v, 50/60HZ

2.Channels: 12-channel standard DMX512 control

3.Lamp: 3W red:36pcs green: 36pcs blue: 36pcs

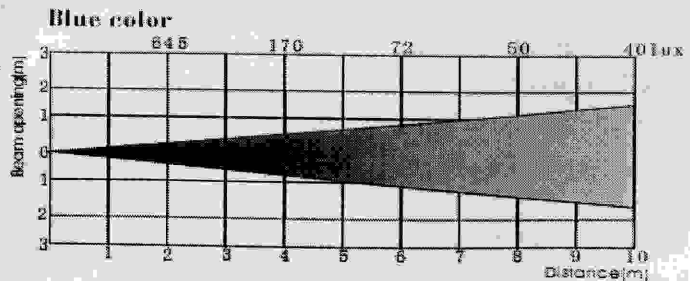
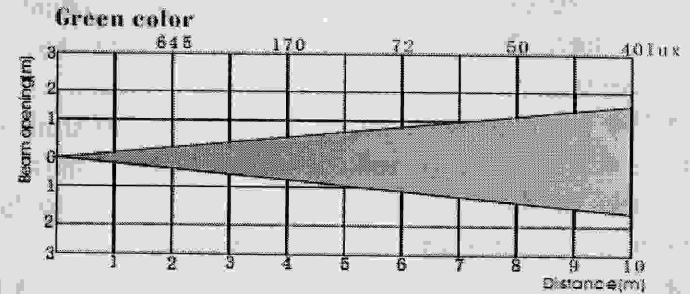
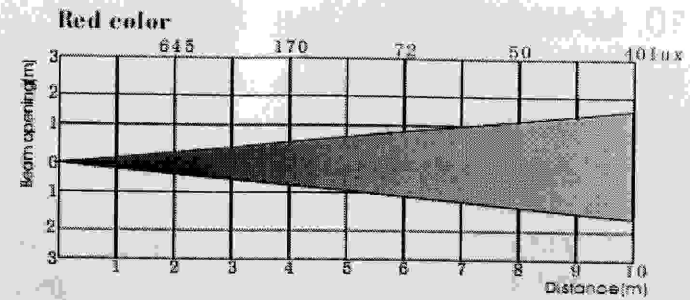
4.Lamp source: Edison LED

4.Size: 354mm\*316mm\*440mm

5.N.W: 9.05kg G.W:11kg

Charming design is suitable for entertainment and professional stage place, KTV, Bar ,Profession stage, large-scale performances, theater, studio and places of higher Disco etc.

## 9. LED Light Wave Properties



## 10. MAINTENANCE AND CLEANING

This moving LED light fixture must be kept clean and free of dust, dirt, or heavy smoke. Failure to do so will sharply decrease the output of the LED. Regular cleaning can guarantee not only continued LED output but save lamp life as well. Clean only with a soft cloth and premium glass detergent – Never use alcohol or solvent based cleaning fluids!

★ Danger: Always switch off the power supply before performing any maintenance.

★ The front glass is easily stained by the draft of tobacco tar, which will decrease light output. It should be cleaned once a week. The cooling fan should be cleaned at least once a month.

★ There are no serviceable or replaceable parts inside the device other than the fuse.

★ Only franchisers have the right to perform maintenance services.

★ Change of Fuse:

When a lamp fails, the fuse may also fail at the same time. Replace with the same make or type fuse.

★ Switch off the power supply before changing the fuse.



