

# **LED mini moving head**

## **User manual**



**Before use please read this manual**

## **1.General Instructions:**

Please carefully read and understand the instructions in this manual thoroughly before attempting to operate this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

## **2.Main Features:**

Lamp :	4pcs*6in1 LED
Voltage :	100-240v/50-60Hz
Working Position:	Any safe,secure position
Warranty:	1 year

## **3.Safety Precautions:**

- \*To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- \*Do not spill water or other liquid into or on to your unit.
- \*Be sure that the local power outlet match that of the required voltage for your unit.
- \*Do not attempt to operate this unit if the power cord has been frayed or broken.
- \*Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- \*Disconnect from main power before making any type of connection.
- \*Do not remove the cover under any conditions. There are no user serviceable parts inside.
- \*Never operate this unit when its cover is removed.
- \*Never plug this unit in to a dimmer pack
- \*Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6(15cm) between this device and a wall.
- \*Do not attempt to operate this unit, if it becomes damaged.
- \*This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- \*During long periods of non-use, disconnect the unit from main power.
- \*Always mount this unit in safe and stable matter.

## **4.Cleaning**

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture

Operates ( i . e . s m o k e , fog residue , dust , dew ) .

## **5. Trouble Shooting**

Listed below are a few common problems the user may encounter, with solutions.

### **A: The unit does not work, no light and the fan does not work**

1. Check the connection of power and main fuse
2. Measure the mains Voltage on the main connector
3. Check the power on LED

### **B: Unit not responding to DMX Controller:**

1. DMX LED should be on , if not , check DMX connectors, Cables to see if link properly.
2. if the DMX LED is on and no response to channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one
4. Try to use another DMX controller
5. Check if the DMX cables run near or run along side to high voltage cables that may cause damage or interference to DMX interface circuit

### **C: Unit does not respond to the easy controller:**

1. You May have a break in the DMX cable , check the LED for the response of

master/slave mode signal

2. Wrong DMX address in the unit , set the proper address.

**D:No response to the sound**

1. Make Sure the unit does not receive DMX signal
- 2.Check microphone to see if it is good by tapping the microphone

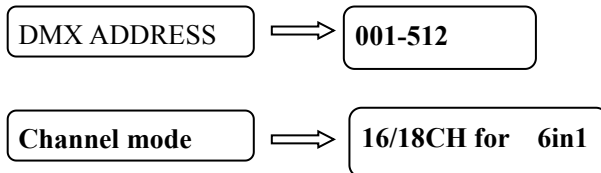
**E:One of the channels is not working well**

1. The stepper motor might be damaged or the cable connected to the PCB is broken
2. The motor's drive IC on the PCB might be out of condition

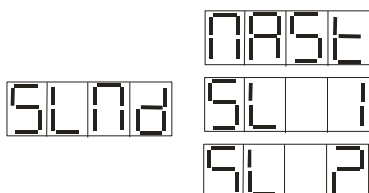
**6.Technical Specification**

- 1.DMX channels:10/12/15CH
2. Smooth Electronic dimming
- 3.Electronic Strobe with pulse and random effects

**7.MENU STRUCTURE**



15channel mode



Choose master mode, slave mode1and slave mode2

SH 1

SHnd

SH 2

SH 3

SH 4

Choose show mode

Auto

off

on

Choose auto mode

Sound

on

off

Sound mode

SENS

0

100

Sound sensitive adjustment

BLnd

no

yes

LED      OFF  
ON

Black light on/off

DISP      DISP  
DISP

Print      NO  
YES

Pan clockwise or counter-clockwise

Print      NO  
YES

Tilt clockwise or counter-clockwise

RED  
BALA      GEE  
BLU

White balance setting

Menu test

test

Auto test

reset

reset

## 8.Motor fine

Press “Enter” for some seconds till display show “Pan offerset” , and choose “Tilt offerset”, “Eccentri offerset” , “color offerset’ , “gobo offerset” , “shutter offerset”, “prism offerset”, Rprism offerset”by “up” and “Down” key. Adjust motor value from -127-127, then Press ‘Enter’ to Save

## 9.CHANNELS TABLE:

Mode 1 (16)	Channel		Mode 2 (18)	Channel
1	Pan		1	Pan
2	Tilt		2	Pan fine
3	Pan/tilt speed		3	Tilt
4	Dimmer		4	Tilt fine
5	Strobe		5	Pan/tilt speed
6	Red		6	Dimmer
7	Green		7	Strobe
8	Blue		8	Red
9	White		9	Green
10	Amber		10	Blue
11	Purple		11	White
12	Pan/tilt macro		12	Amber
13	Pan/tilt sound sensitive		13	Purple
14	Color macro		14	Pan/tilt macro
15	Pan/tilt sound sensitive		15	Sound sensitive of CH14
16	Reset		16	Color macro
			17	Sound sensitive of CH17
			18	Reset