BM-60w scanner
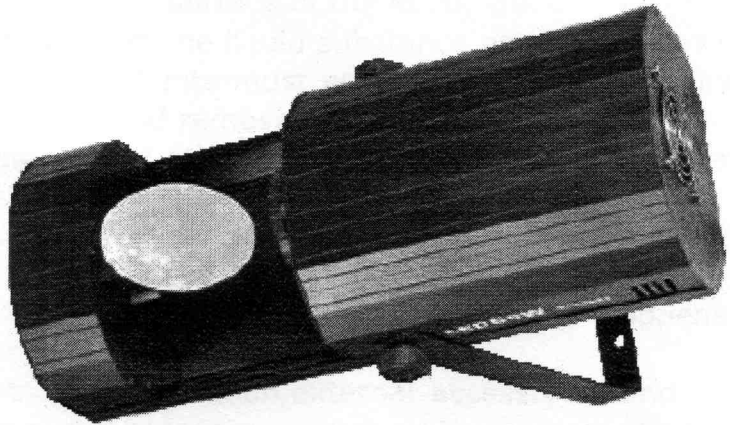## (LED 60W SCANNER)
USER MANUAL

This manual contains important information
Please read before operating fixture

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1 SECURITY TIPS

WARINGING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 ℃ -40 ℃, the highest temperature of the surface of the lamp: 60 ℃.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding,can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation,external accessories and paste parts should be regular inspected, such as the emergence of loose and rock,should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust,so you have to clean it weekly especially the cooling air opening,otherwise the dust will plug leading to poor lightin
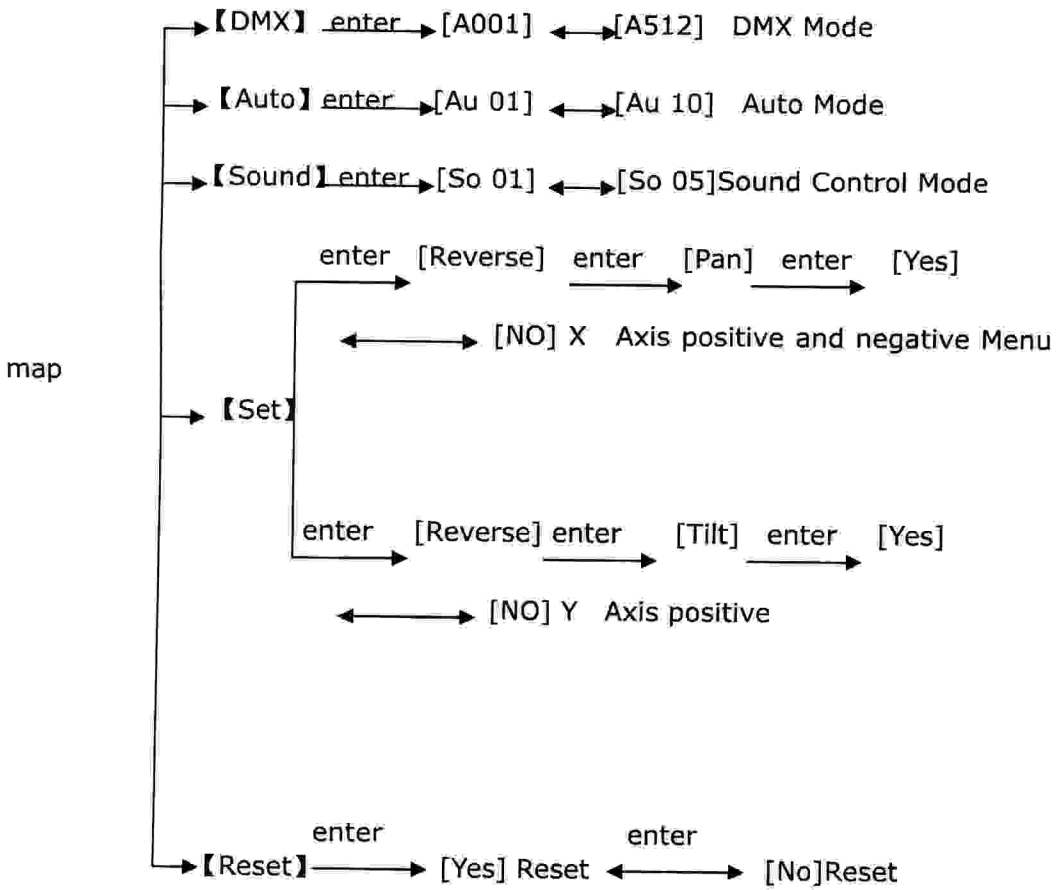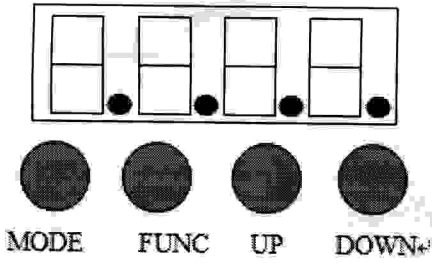
2 TECHNOLOGY REFERENCE

1. Power supply: AC110V-240V/50~60HZ
2. Power consumption: 150W
3. Transformer: 120W
4. Light source: LED 60W
5. Product size: 49x20x18cm, packing size: 53×26.5×23cm
6. N.W.: 8.5Kg, G.W: 10Kg
7. Grounding resistance: ≤0.5Ω

3 FUNCTIONS INTRODUCTION

1. International universal control signal: DMX512
2. 15 DMX channels
3. LCD display
4. Auto, Sound, Master/Slave, DMX
5. 1 Color wheel: 7colors+white
6. 1 Gobo wheel:7 gobos+white
7. Focus: Mechanical
8. Prism:3 face prism
9. Programmed inside
10. Adjustable flash frequency

4 DISPLAY CODE SETTING METHOS

BM-60w scanner BUTTON

```
  ___   ___   ___   ___
 |   | |   | |   | |   |
 |___|•|___|•|___|•|___|•
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MODE   FUNC   UP   DOWN

【DMX】enter → [A001] ← → [A512] DMX Mode

【Auto】enter → [Au 01] ← → [Au 10] Auto Mode

【Sound】enter → [So 01] ← → [So 05] Sound Control Mode

map

enter [Reverse] enter [Pan] enter [Yes]

[NO] X Axis positive and negative Menu

【Set】

enter [Reverse] enter [Tilt] enter [Yes]

[NO] Y Axis positive

enter   enter
【Reset】 → [Yes] Reset ← → [No]Reset

5 DMX CHANNEL SHEET

15 Channel Mode

DMX Quantity of Channel	DMX value of channel	Function
CH1 、 Built-in program	0-55	No action
	56-80	Built-in 1
	81-105	Built-in 2
	106-130	Built-in 3
	131-155	Built-in 4
	156-180	Built-in 5
	181-205	Built-in 6
	206-230	Built-in 7
	231-255	Built-in 8
CH2、Pan	0-255	0-180°
CH3、Tilt	0-255	0-90°
CH4、Pan Fine	0-255	Pan Fine
CH5、Tilt Fine	0-255	Tilt Fine
CH6 、 Pan/Tilt Speed	0-255	From fast to slow
CH7 、 Led 60w Dimmer	0-255	From dark to bright
CH8 、 Led 60W Strobe	0-7	Turn on
	8-250	Strobe from fast to slow
	251-255	Turn off
CH9 、 7 Colors+ White	0-15	White
	16-31	Color 1
	32-47	Color 2
	48-63	Color 3
	64-79	Color 4
	80-95	Color 5
	96-111	Color 6
	112-127	Color 7
	128-255	Color flow from fast to slow
CH10 、 7 Gobos+White	0-15	White
	16-31	Gobo 1
	32-47	Gobo 2
	48-63	Gobo 3
	64-79	Gobo 4
	80-95	Gobo 5
	96-111	Gobo 6
	112-127	Gobo 7
	128-191	Gobo Wheel Rotation Clockwise (slow to fast)
	192-255	Gobo Wheel Rotation Counter Clockwise (slow to fast)
CH11 、 Gobo Rotation	0-15	No function
	16-135	Clockwise rotation(slow to fast)
	136-255	Counter Clockwise rotation(slow to fast)
CH12、Focus	0-255	focus from near to far

CH13、Prism	0-63	No Prism
	64-255	prism
CH14 、 Prism Rotation	0-15	No rotation
	16-136	prism Rota (slow to fast)
	137-255	Prism Rota Counter CLockwise(slow to fast)
CH15、Reset	241-250	Reset

6 DIFFICULTY RESOLUTION

The following is a list of problems and resolution, and other malfunction preparing work should be professionally qualified staff to deal with.

1. Bulb not working
   a) Check whether approaching the service life of light bulbs, then change it
   b) Check whether bulbs circuitry leak, loss or connect poorly
2. Beam appears bleak
   a) The bulbs maybe approach the service life, then change it, or the optical components are unclean.
   b) Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular period.
3. Computer lamp work intermittently
   a) Check whether the fan process naturally and become dirty
   b) Check inner temperature-response control plug is off
   c) Check whether the circuitry is good
4. The computer lamp not controlled by controller during lighting
   a) Check numeral starting address and the connection of communication control circuit
   b) The corresponding channel button of controller is open or not
   c) Check whether the fuse on power supply input jack is broken off

7 CLEANING

To make sure the stable run of lamp, you should keep it clean. To accurate the best state and effect, you should clean lens and color filter timely, and do not use any soluble detergent when cleaning the color filter avoiding the damage to lamp.

8 AFTER SERVICE

1. Our company offer technical consultation to customers for ever.
2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
3. In addition to the lamp, also matching accessories are as follows:
   accessories: Power line   1 piece   Optional parts: (customers)
   　　　　　　Signal line   1 piece   Users manual   1 sheet
   　　　　　　Light hook   Safety cable
   　　　　　　Warranty card   1 card

Warranty Card

Name	Model		Production	Purchase

End User	Sale Store
Company Name: Adr:	Link man: Tel: Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the
warranty will not work (warranty period and terms, see the following)
warranty period: one year since purchase warranty terms: 1、If fail when
using the product in normal state, you can made under the provisions
of the warranty, show the warranty card and purchase bills(copy),
and enjoy free maintenance service in a specific service
center or the manufacturer.
2. The following will be the implementation of paid service:
(1)Without the effective warranty card
(2)There's blank, alter and no point-of-sale name
(3)Fail caused by unresistance
(4)Fail caused by transportation or unloading
(5)Fail caused by not operate by manual
(6)Fail caused by disassemble without unauthorized
(7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding。