USER MANUAL

LED (60W) Moving Head

| This manual contains important information. Please read before operating fixture. | C E |

1　SECURITY TIPS

WARNING!!! 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 lighting
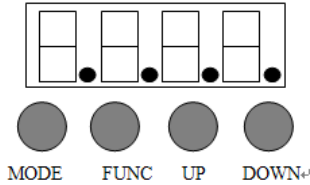
2   TECHNOLOGY REFERENCE

1. Voltage：AC220-240V/110-120V/50~60Hz
2. Power consumptions：320w
3. Transformers：
    i.   Transformer: 80W input AC100V~240V/50Hz/60Hz output: 5V
    ii. Transformer: 60W input AC100V~240V/50Hz/60Hz output: 12V
    iii. Transformer: 100W input AC100V~240V/50Hz/60Hz output:24V
4. Light Source: ultra bright Luminus60w LED
5. with 8x3w tricolor LED
6. Input:220V/50HZ   Output：24v\12v
7. Product size: 33×40×50cm
8. G.W: 16 Kg

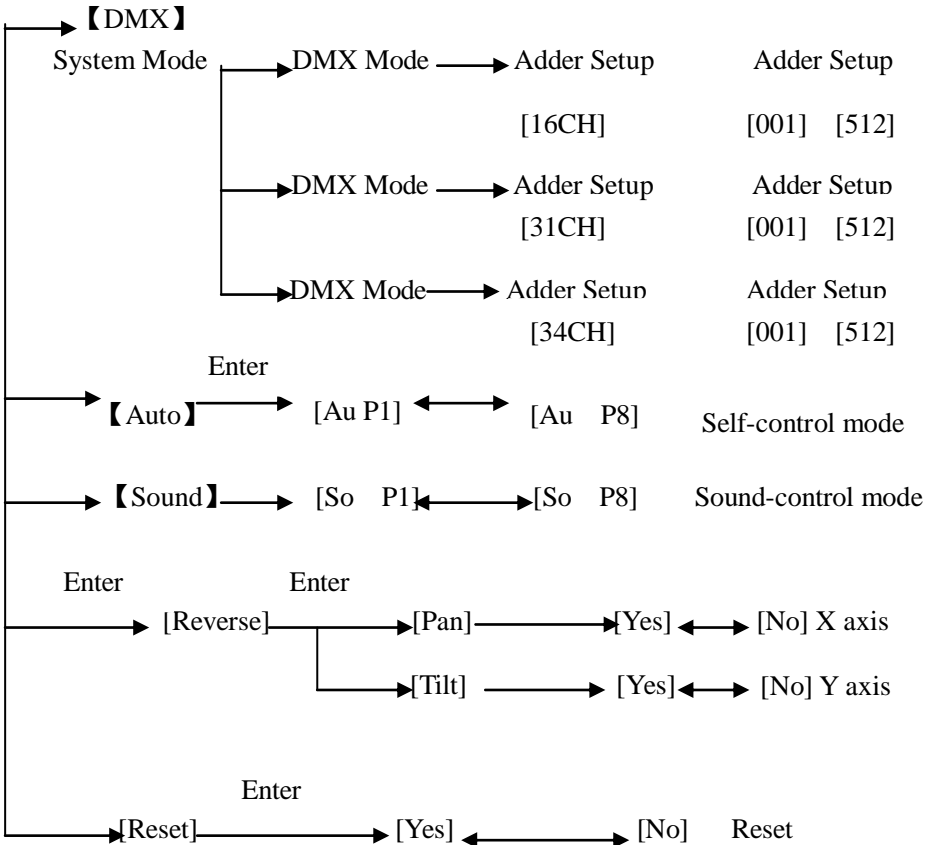## 3   FUNCTIONS INTRODUCTION

1. International universal control signal:
2. DMX512
3. 34/28/16 DMX channels
4. Digital display
5. DMX/Auto/ sound/ mode
6. RGB color mixing
7. Program inside ,Adjustable flash frequency

60WLED moving head button

MODE   FUNC   UP   DOWN↵

MENU

【DMX】
System Mode   DMX Mode ⟶ Adder Setup   Adder Setup

[16CH]   [001]   [512]

DMX Mode ⟶ Adder Setup   Adder Setup
[31CH]   [001]   [512]

DMX Mode⟶ Adder Setup   Adder Setup
[34CH]   [001]   [512]

Enter
【Auto】 ⟶ [Au P1] ⟷ [Au   P8]   Self-control mode

【Sound】⟶ [So   P1] ⟷ [So   P8]   Sound-control mode

Enter   Enter
[Reverse]   ⟶[Pan] ⟶ [Yes] ⟷ [No] X axis

⟶[Tilt] ⟶ [Yes] ⟷ [No] Y axis

Enter
[Reset] ⟶ [Yes] ⟷ [No]   Reset

4

5 DMX CHANNEL SHEET

Channel　Mode

16CH	31CH	34CH	Function	Channel Value	Function
CH1		CH1	self-setting Program	0-15	No action
				16-45	Internal running 1
				46-75	Internal running 2
				76-105	Internal running 3
				106-135	Internal running 4
				136-165	Internal running 5
				166-195	Internal running 6
				196-225	Internal running 7
				226-255	Internal running 8
CH2	CH1	CH2	X axis rotation	0-255	0-540 °
CH3	CH2	CH3	Y axis rotation	0-255	0-270 °
CH4		CH4	X axis turn	0-255	X axis turn
CH5		CH5	Y axis turn	0-255	Y axis turn
CH6	CH3	CH6	X, Y speed Adjustment	0-255	From fast to slow
CH7	CH4	CH7	Lighting source 60wturn lighting	0-255	From dark to bright
CH8	CH5	CH8	Lighting source 60W Strobe	0-7	Turn on
				8-250	Strobe from fast to slow
				251-255	Turn off
CH9	CH6	CH9	Color: 7several+ White Lighting	0-15	Color 1
				16-31	Color 2
				32-47	Color 3
				48-63	Color 4
				64-79	Color 5
				80-95	Color 6
				96-111	Color 7
				112-127	Color 8
				128-255	Color from fast to slow

CH10	CH7	CH10		0-7	White Lighting
				8-15	Gobo 1
				16-23	Gobo 2
				24-31	Gobo 3
				32-39	Gobo 4
				40-47	Gobo 5
				48-55	Gobo 6
				56-63	Gobo 7
				64-71	Gobo 7 shake speed from slow to fast
				72-79	Gobo 6 shake speed from slow to fast
				80-87	Gobo 5 shake speed from slow to fast
				88-95	Gobo 4 shake speed from slow to fast
			7several Gobos+ White Lighting	96-103	Gobo 3 shake speed from slow to fast
				104-111	Gobo 2 shake speed from slow to fast
				112-119	Gobo 1 shake speed from slow to fast
				120-127	White Lighting
				192-255	Gobo positive and negative running from slow to fast
CH11	CH8	CH11		0-15	White Lighting
				16-31	Gobo 1
				32-47	Gobo 2
				48-63	Gobo 3
				64-79	Gobo 4
				80-95	Gobo 5
			7Gobos +white lighting	96-111	Gobo 6
				112-127	Gobo 7
				128-191	The Gobo CW running from slow to fast

				192-255	The Gobo CCW running from slow to fast
CH12	CH9	CH12	Gobo self-running	0-15	No running
				16-136	The Gobo CW running from slow to fast
				137-255	The Gobo CCW running from slow to fast
CH13	CH10	CH13	focus	0-255	focus from near to far
CH14	CH11	CH14	prism	0-63	No Prism
				64-255	Have prism
CH15	CH12	CH15	Prism-self running	0-15	No running
				16-136	The prism CW running from slow to fast
					The prism CCW running from slow to fast
				137-255	
	CH13	CH16	LED lighting	0-255	From dark to bright
	CH14	CH17	R	0-255	From dark to bright eight lightings
	CH15	CH18	G	0-255	From dark to bright eight lightings
	CH16	CH19	B	0-255	From dark to bright eight lightings
	CH17	CH20	RGB color	0-7	No action
				8-15	Color 1
				16-23	Color 2
				24-31	Color 3
				32-39	Color 4
				40-47	Color 5
				48-55	Color 6
				56-63	Color 7
				64-71	Color 8
				72-79	Color 9
				80-87	Color 10
				88-95	Color 11
				96-103	Color 12
				104-111	Color 13

				112-119	Color 14
				120-127	Color 15
				128-135	Color 16
				136-195	Color gradually change from slowly to fast
				196-255	Color suddenly change from slowly to fast
	CH18	CH21	LED strobe	0-255	From slow to fast
	CH19	CH22	red 1	0-255	From dark to bright
	CH20	CH23	green 1	0-255	From dark to bright
	CH21	CH24	blue 1	0-255	From dark to bright
	CH22	CH25	red 2	0-255	From dark to bright
	CH23	CH26	green 2	0-255	From dark to bright
	CH24	CH27	blue 2	0-255	From dark to bright
	CH25	CH28	red 3	0-255	From dark to bright
	CH26	CH29	green 3	0-255	From dark to bright
	CH27	CH30	blue 3	0-255	From dark to bright
	CH28	CH31	red 4	0-255	From dark to bright
	CH29	CH32	green 4	0-255	From dark to bright
	CH30	CH33	blue 4	0-255	From dark to bright
CH16	CH31	CH34	reset	250-253	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 o

7 CLEANING

To make sure the stable run of lamp, you should keep it clean. Command clean machine and fan. 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

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Warranty Card

Name	Model		Production	Purchase

End User

Company Name:
Add:

Sale Store

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 something can not resistance

(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