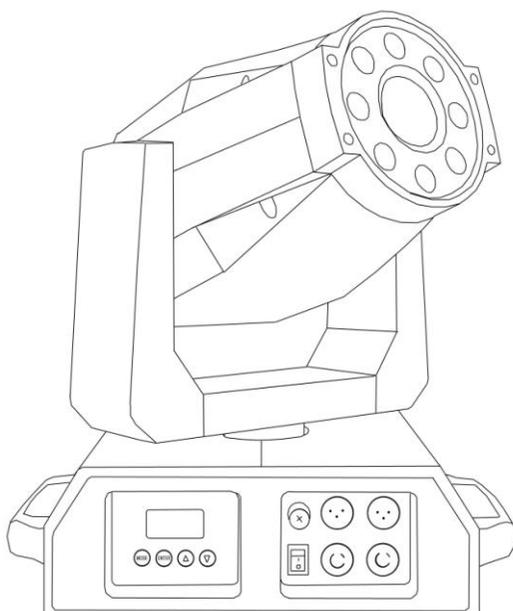


# SM-B30150RS

(150W Spot and Wash Mixing Moving Head)

## USER MANUAL



This manual contains important information.  
Please read before operating fixture.





# 1 SECURITY TIPS

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

- Non-professionals are not to disassemble the moving head LED unit and lighting accessories inside.
- Rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- The unit should not be placed near flammable materials and should maintain at least 1M distances from its projection area.
- The moving head should only be used in ambient temperature:  $-15^{\circ}\text{C} > 40^{\circ}\text{C}$ , the highest temperature of the surface of the lamp:  $60^{\circ}\text{C}$ .
- To keep away from the liquid substance and humid environment.
- Before using the moving head please ensure a good earth is fitted.
- The installation of the moving heads, you must check fixing screw fasteners with additional security cable and a regular inspection done.
- LED consecutive working hours is not recommended for more than 10 hours per time.
- Moving head should not be used in time when unusual conditions are in play.
- Moving head should be regular inspected of the rotation, external accessories and paste parts, in a timely manner to prevent accident or damage to the unit or persons.
- Moving head fans should be checked weekly as it is easy to accumulate the dust, so weekly cleaning of especially the cooling air opening and fans, otherwise unit may over heat and cause damage

## **2 TECHNOLOGY REFERENCE**

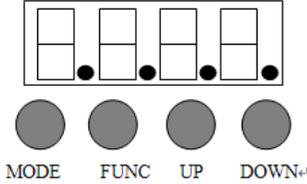
1. Voltage: AC220-240V/110-120V/50~60Hz
2. Power consumptions: 320w
3. Profile LED Source: Ultra bright 150w LED
4. Wash LED Source: 8x9w tricolor LED
5. Input:220V/50HZ Output: 24v/12V/5V
6. Product size: 33×40×53.5 cm; Package size: 45x40x50cm
7. N.W:15 Kg; G.W: 17 Kg

## **3 FUNCTIONS INTRODUCTION**

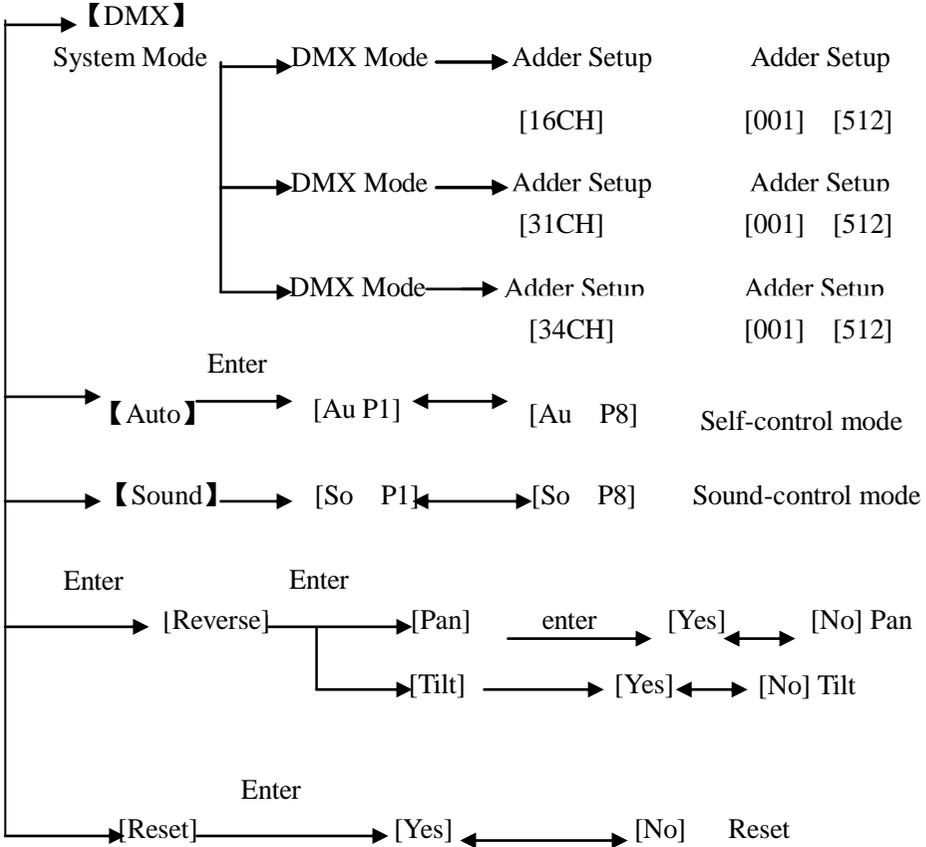
1. International universal control signal:
2. DMX512
3. 34/31/16 DMX channels
4. Digital display
5. DMX, Sound,Auto,Slave/Maste
6. 2 Gobos wheels: Fixed gobo wheel&Rotating gobo wheel
7. 7 gobos+White with Bi-directional rotate effect
8. Color wheel: 7 main colors+open with the rainbow
9. One rotation 3-facet prism
10. RGB color mixing
11. Gobo Indexing Function
12. Program inside ,Adjustable flash frequency

# 4 DISPLAYCODE SETTING METHOS

## 150W Spot Moving head button



### MENU



# 5 DMX CHANNEL SHEET

## Channel Mode

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

CH10	CH7	CH10	7Static Gobos + Open	16-23 24-31 32-39 40-47 48-55 56-63 64-71  72-79  80-87  88-95  96-103  104-111  112-119  120-127 192-255	Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake speed from slow to fast Gobo 6 shake speed from slow to fast Gobo 5 shake speed from slow to fast Gobo 4 shake speed from slow to fast Gobo 3 shake speed from slow to fast Gobo 2 shake speed from slow to fast Gobo 1 shake speed from slow to fast Open Gobo positive and negative running from slow to fast
CH11	CH8	CH11	7 Rotating Gobos + Open	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-191 192-255	White Lighting Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Wheel CW Fast > slow Wheel CCW Fast >slow
CH12	CH9	CH12	Gobo Indexing Rotating	0-15 16-136 137-255	Stop Gobo CW slow to fast Gobo CCW slow to fast
CH13	CH10	CH13	Focus	0-255	focus from near to far

CH14	CH11	CH14	Prism	0-63 64-255	Open Prism In
CH15	CH12	CH15	Prism Rotation	0-15 16-136 137-255	Stop Rotate CW slow > fast Rotate CCW slow > fast
	CH13	CH16	Wash Global Dimmer	0-255	From dark to bright
	CH14	CH17	Global Red	0-255	From dark to bright
	CH15	CH18	Global Green	0-255	From dark to bright
	CH16	CH19	Global Blue	0-255	From dark to bright
	CH17	CH20	Pre set RGB color	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-119 120-127 128-135 136-195 196-255	No action Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Color 15 Color 16 Color gradually change from slow to fast Color suddenly change from slow to fast
	CH18	CH21	Global Strobe	0-255	From slow to fast
	CH19	CH22	Red Zone 1	0-255	From dark to bright
	CH20	CH23	Green Zone 1	0-255	From dark to bright
	CH21	CH24	Blue Zone 1	0-255	From dark to bright
	CH22	CH25	Red Zone 2	0-255	From dark to bright

	CH23	CH26	Green Zone 2	0-255	From dark to bright
	CH24	CH27	Blue Zone 2	0-255	From dark to bright
	CH25	CH28	Red Zone 3	0-255	From dark to bright
	CH26	CH29	Green Zone 3	0-255	From dark to bright
	CH27	CH30	Blue Zone 3	0-255	From dark to bright
	CH28	CH31	Red Zone 4	0-255	From dark to bright
	CH29	CH32	Green Zone 4	0-255	From dark to bright
	CH30	CH33	Blue Zone 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 resolutions, should only be preformed by professionally qualified staff.

### 1. Bulb not working

- a) Check whether approaching the service life of LED, then change it
- b) Check whether LED circuitry is not loss or connect poorly

### 2. Beam appears flash or is patchy

- a) The LED maybe approach the service life, then change it, or the optical components are unclean.
- b) LED has an accumulation of dust, so the LED and other parts inside the lamp should be cleaned and maintained in regular period.

### 3. LCD Display works intermittently

- a) Check whether the fan running
- b) Check inner temperature-response control plug is off

- c) Check whether the circuitry is good and contacted properly
- 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 the moving head, you should keep it clean. All fans, lens and color filters, do not use any soluble detergent when cleaning the color filter avoiding the damage to LED..

## 8 AFTER SERVICE

1. Our company offer technical consultation to customers.
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 stage light, also matching accessories are as follows:

**accessories:** 1x Power cable  
1x Signal cable  
1x Users manual



## Warranty Card

Name	Model
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Production	Purchase
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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.