



# 230W Beam Moving Head Light

## User Manual

HS-MB230



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## 1. Packing List

- 230W beam MovingHead Light 1 pcs
- User Manual 1 pcs

## 2. Schematic Diagram

## 3. Product Features

- Unlimited programming effects
- Special lighting effect
- Modular & highly portable
- No technical experience required
- Quick and easy installation
- More affordable than any existing solutions
- Over heat protection
- Sealed for long, durable lifetime
- Indoor use in well temperate rooms

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## 4. Specifications

### 4.1. Physical Specifications

Product Series: Traditional Stage Lighting  
Item No.: HS-MB230  
Lamp:  YODN MSD230 7R  Jenbo 230W  
 Philips 230W  Osram 230W  
Color temperature: 7800K  
Color wheel: One color wheel, 14 kinds of color chips in one color wheel  
Gobo: 17 gobos  
Effect Wheel: Rotatable eight prism, effect move , frost· 0-100% mechanical dimming, mechanical dimming and free dimming availed . strobe macro control viable  
DMX Channels: 18CH  
Control mode: Auto-run mode, DMX-512 mode, Sound active mode  
Color: Black  
Material: Plastic  
Size: 396x360x495mm  
Net Weight: 19.0Kg  
Gross Weight: 21.0Kg  
Package Quantity: 1pcs  
Package Size: 460x380x550mm  
IP level : IP20  
Working Temperature: -25°C~+35°C

### 4.2. Electrical Specifications

Power: 350W  
Voltage: AC 100-240V 50/60Hz  
Service Life: 2200 hours

### 4.3. Other Specifications

Over heat protection

## 5. Installation Method

### 5.1. Installation Steps

1. Please hand this light into the suitable place with suitable angel (if operate the light in external place, please remember to get some water-proof cover to protect them.).
2. To connect the signal cable, plug one side into IN socket in the back of light and plug another side into OUT signal connector in the DMX 512 board(signal input: 1=>Ground, 2=>Data, 3=>data+).
3. To connect the cable and put into power, them the light stay in the status to receive the operation signal like : Music, Automatic, DMX512ect. Take note: Please out off the power

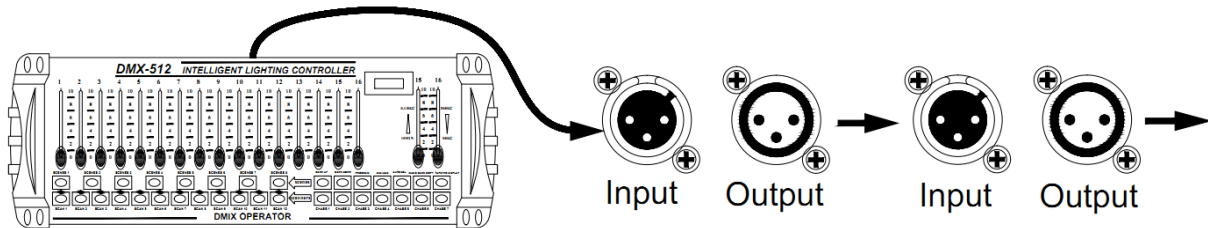
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line if you will not operate it for a certain time.

## 5.2. Fixture Linking

To run your light shows of one or more fixtures using DMX-512 controller or to run synchronized shows on two or more fixtures in master/slave operating mode , you need DMX cables to link the units from DMX IN to DMX OUT.

**Notice:** the length of signal cables should be within 100meters, to prevent the signal interference by other appliances because of the long signal cables.



## 5.3. AC Power

The fixture is designed to work on 100-240V 50/60Hz. Before applying power to a unit, check that the source voltage matches the unit's requirement.

## 6. Technical Support

Support Telephone: +86-20-37707017

Support Email: [support@hosenlighting.com](mailto:support@hosenlighting.com) (QQ、MSN as same)

Website: <http://www.hosenlighting.com>

Working Time: (BeiJing Time)

Monday to Friday 08:00~12:00 13:30~17:30 18:30~20:30

Saturday 09:00~12:00 13:30~17:00

Note: all the rest of China's holidays!

## 7. Notice

In order to make sure the product is used well, please read the Manual carefully!

- ★ Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
- ★ If the product not been used for long time, please keep it under normal temperature environment, to avoid damage the element through too dry or too wet environment.
- ★ Don't use the product under the hot, cold, dusty or damp environment. Please make sure the temperature of the environment is not high than 35 centi degree.
- ★ During usage, don't drop the product or make friction or collide with hard material. Otherwise the surface of the product may be scuffed and the hardware may by damaged.
- ★ When installing or moving the product, please protect the lens of the head, to avoid scuff and damage.
- ★ Avoiding water drop on the product.
- ★ When using the product, don't look at the light directly. This will hurt your eyesight.

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- ★ Always mount this unit in safe and stable matter.
- ★ Install or dismantle should operate by professional engineer
- ★ Using lamp, the change rate of power voltage should be within±10%,If the voltage is too high,it will shorten the light's life; if it's not enough, will affect the effect.

## 8. Disclaimer

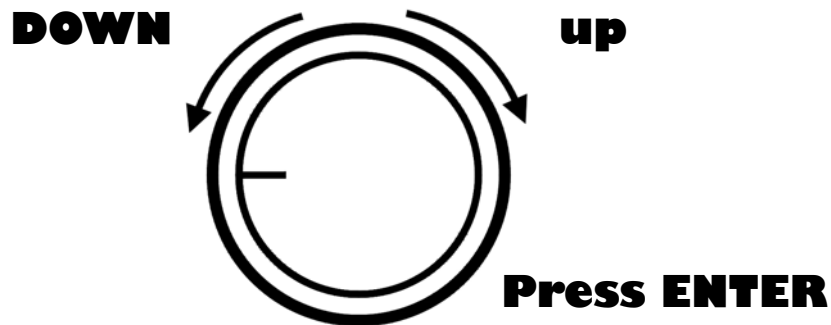
While every care has been taken with the details on this specification sheet, we take no responsibility for any inaccuracies caused during installation. We reserve the right to change these specifications without notice to always ensure that the customer is receiving a superior product.

## 9. Amendment Log

- 2012-9-19 Refresh and revise the user manual. Version 1.0.9.19

## 10. Appendix

### 10.1. LED Display Explanation



Main menu	Sub-menu	
<b>Exit</b>		
<b>DMX Address</b>	Address= [001-512]	
<b>Parameter</b>	Back	
	Control	Standard
	Models	Extended
<b>Option</b>	Back	Movinghead light
	X Reverse	Off / On
	Y Reverse	Off / On
	XY Exchange	Off / On
	Dimmer Reverse	Off / On
	Iris Reverse	Off / On

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<b>Display</b>	Turn shortest	Off / On
	Dmx Reset	Off / On
	Back	
	Language	English 简体中文
	Lightness	Lightness=[01-32]
	Poolight	Constant open
		Dim
		Off
	Display LOGO	Off / On
	<b>Man control</b>	Back
CH1     000		
CH2     000		
CH3     000		
CH4     000		
CH5     000		
CH6     000		
CH7     000		
CH8     000		
CH9     000		
CH10    000		
CH11    000		
CH12    000		
CH13    000		
CH14    000		
CH15    000		
CH16    000		
CH17    000		
CH18    000		
CH19    000		
CH20    000		
<b>Test operation</b>	Back	
	Sound	Program Run
	Auto	Program Run
<b>Resume default</b>	Back	
	Enter	
<b>Fixture reset</b>	Back	
	Enter	

## 10.2. DMX Channel Explanation

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<b>Channels</b>	<b>Value</b>	<b>Function</b>
<b>CH1</b>	0-255	Pan: 0-450
<b>CH2</b>	0-255	Tilt: 0-270
<b>CH3</b>	0-255	Pan fine (0-2.1°)
<b>CH4</b>	0-255	Tilt fine (0-1.0°)
<b>CH5</b>	0-255	XY speed (from fast to slow)
<b>CH6</b>	0-255	Dimmer (0-100%)
<b>CH7</b>	0	Off
	1-50	Light on (strobe fine ON : CH6)
	51-240	Strobe effect (from slow to fast)
	241-249	Light on (strobe fine ON : CH6)
	250-253	Off
<b>CH8</b>	254-255	Light on (strobe fine ON: CH6)
	0-255	Frost effect (0-100%)
<b>CH9</b>	0-7	White
	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
	112-127	Color 14
<b>CH10</b>	128-191	Rainbow effect plus rotate (from slow to fast)
	192-255	Rainbow effect minus rotate (from slow to fast)
<b>CH10</b>	0-127	Color step adjust
	128-255	Color step fine adjust
<b>CH11</b>	0-6	White
	7-13	Gobo 1
	14-20	Gobo 2
	21-27	Gobo 3
	28-34	Gobo 4
	35-41	Gobo 5

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	42-48	Gobo 6
	49-55	Gobo 7
	56-62	Gobo 8
	63-69	Gobo 9
	70-76	Gobo 10
	77-83	Gobo 11
	84-90	Gobo 12
	91-97	Gobo 13
	98-104	Gobo 14
	105-111	Gobo 15
	112-118	Gobo 16
	119-127	Gobo 17
	128-191	Rainbow effect plus rotate (from slow to fast)
	192-255	Rainbow effect minus rotate (from slow to fast)
<b>CH12</b>	0-191	Gobo shaking (from slow to fast)
	192-255	No function
<b>CH13</b>	0-31	No function
	32-255	Prism effect
<b>CH14</b>	0-127	Prism position adjusting
	128-191	Prism plus rotate (from fast to slow)
	192-255	Prism minus rotate (from slow to fast)
<b>CH15</b>	0-255	Prism zoom (from small to big)
<b>CH16</b>	0-255	Zoom (from near to far)
<b>CH17</b>	0-99	No function
	100-105	Delay OFF (After the bulb cooled down with the fan, the lamp cut off the power)
	106-199	No function
	200-205	Delay ON (After the bulb cooled down with the fan, the lamp turn on the power)
	206-255	No function
<b>CH18</b>	0-254	No function
	255	Delay reset