

# **COB-BEAM 150**

## **User Manual**



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## TECHNICAL PARAMETERS

### Light source

Voltage: AC100-220V/50Hz

Power: 180W

LED: 150 W white light

### Controls

Channel: international DMX512, 15 channels

Working mode: DMX512, master/slave , auto, Sounds control

### Effect

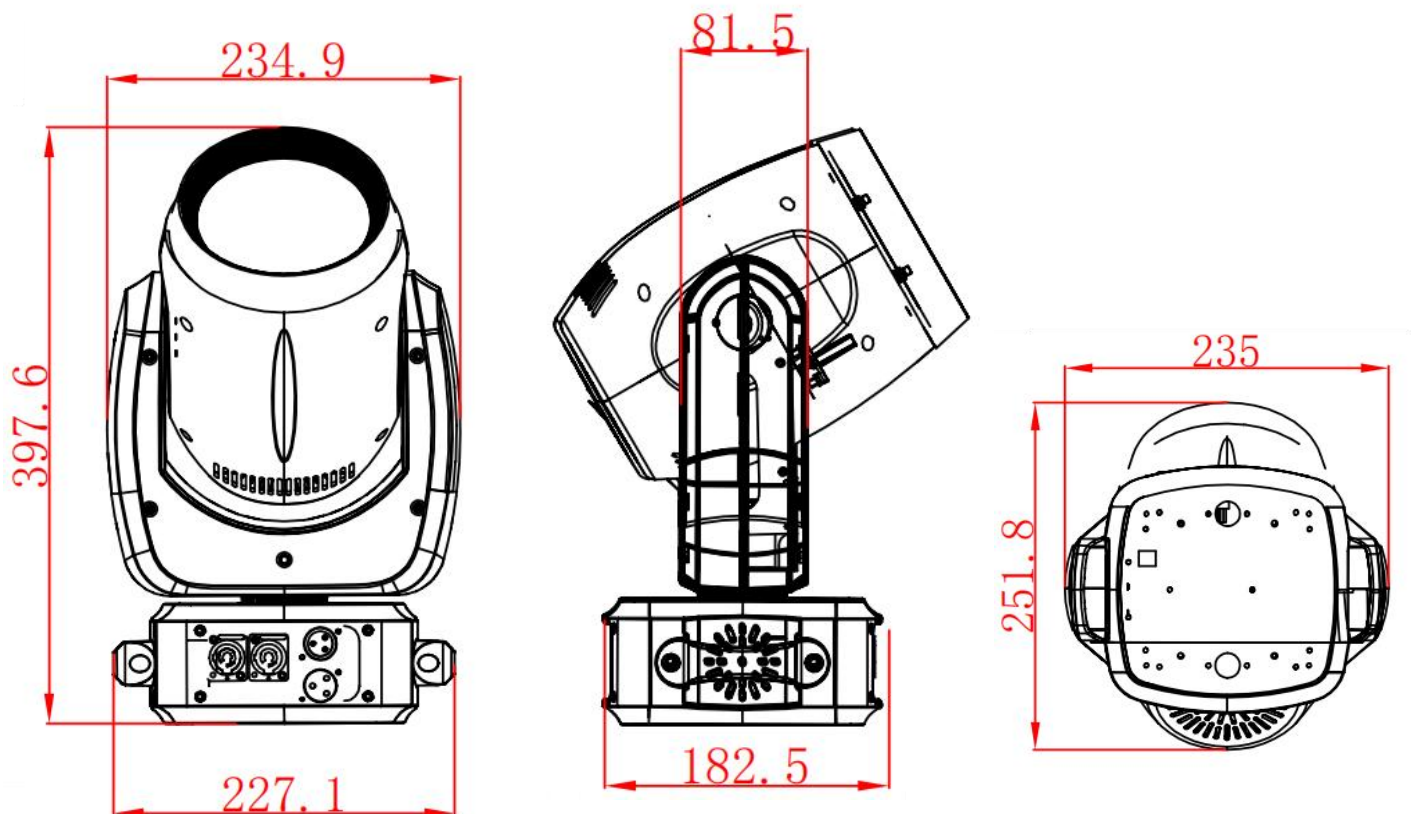
Color: 11 color

Gobo:14 gobo+white

Dimming: 0~100% super smooth dimming

Stroboscopic: 25 times/second

## SIZE DRAWING



## 1. Unpacking

Thank you for choosing to use our LED 180W Beam light.. For correct and safe use of this product, please read the instructions carefully before installing and using this product. This manual contains important installation and application information, please strictly follow the instructions when installing and operating the product. At the same time, please take good care of this manual.

Our 180W Beam light uses a new beautiful high temperature resistant metal body. This product strictly follows the CE standard for design and production, in line with the international standard DMX512 signal protocol, can be used alone control, can also be used online, with fast rotation, low noise, powerful features, suitable for small and medium-sized concerts, theaters, studios, nightclubs and bars and other places.

Remove the package carefully. After the package is removed, check whether the product is damaged during transportation, and check whether the following contents are complete.

Moving Head-----One	Signal Cable----One
Power Cable----One	User Manual----One

This product is in good condition before leaving the factory. In order to maintain the good condition of this product and ensure safe operation, users should follow the safety precautions and warnings of this manual. Important: Damage caused by not following this manual is not covered by the warranty. The supplier shall not be responsible for any product problems arising therefrom.

If the product has been exposed to extremely unstable temperatures (such as after shipping), do not immediately connect the product to the power supply, as water droplets due to temperature changes may damage the product. Please wait until the product returns to normal temperature before use.

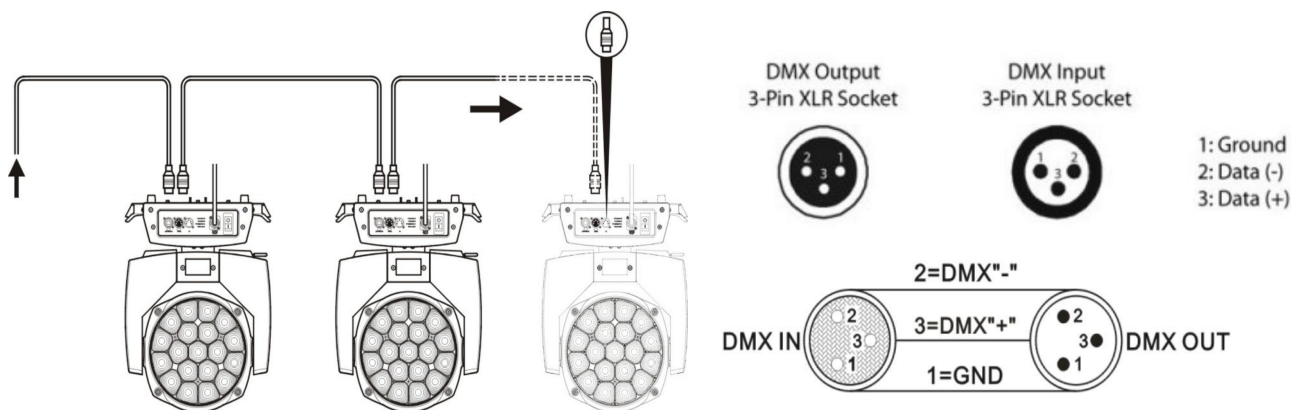
This product can be used in the voltage range of 90V-240V and is intended for indoor use. Please ensure that the voltage used is not higher than the product can withstand the range!! The power plug must be plugged into a protected Class I outlet. Green or teal conductors must be grounded.

## 2.DMX512 signal connection

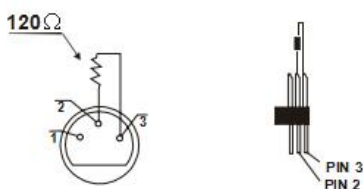
The light uses DMX512 signal control mode, and the light control signal is in parallel relationship. When connecting multiple light signals, it is best to use double-core shielded cable. When connecting, each light is connected through the DMX signal jack (Canon)INPUT(input) and OUTPUT(output) on the light. The 3-core XLR plug terminals of the signal line connecting the light must correspond to each other. When connecting the light signal, it is recommended to use the DMX signal terminal. To avoid the destruction of the control signal due to electrical noise, the DMX signal terminator is a 120 ohm 1W resistor connected between pin 2 and pin 3 of an XLR plug and connected to the OUTPUT jack of the last light.

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120  $\Omega$  resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



### 3. Luminaire starting address code calculation method:

The starting address code of the current light is equal to (the starting address code of the previous light)+(the number of channels of the light)

- 1: The starting address code of the first light is A001.
- 2: The basic channel number of the controller should be greater than or equal to the total number of channels used by the light.
- 3: Note: When using any controller, each light should have its own starting address code, if the first lamp's starting address code is set A001, the light channel number is 16CH; Then the starting address code of the second light is set to A017; The starting address code of the third light is set to A033; And so on, (this setting also needs to be determined according to different consoles)

### 4. Lighting installation instructions:

The lamp can be placed horizontally, slant hanging and upside down, slant hanging and upside down must pay attention to the installation method. Lamps fixed installation: before positioning the lamps, to ensure the stability of the installation site, in the reverse hanging installation, must ensure that the lamps do not fall down on the support frame, to use the safety rope through the support frame and lamp handle, auxiliary hanging; In order to ensure safety, to prevent the fall and slide of the lamp, the lamp is installed and adjusted, no pedestrians are allowed to pass under the lamp, regularly check whether the safety rope is worn, whether the hook screw is loose, if the hanging installation is not stable, resulting in the fall of the lamp, the manufacturer does not assume any responsibility.

## 5.Menu table

Level-1 Menu	Level-2 Menu	Level-3 Menu
DMX Function	DMX address	001 - 512
	Channel mode	15CH
Running mode	Runing mode	DMXmode
		Auto mode
		Sounds mode
System settig	Encoder	On – Off
	X reversal	On – Off
	Y reversal	On – Off
	No signal	Zero – stay
	Sounds sensitivity	0-100
Display setting	Language choose	Chinese – English
	Backward display setting	On – Off
	Screensaver Setting	On – Off
Manual test	X	000 - 255
	X fine	000 - 255
	Y	000 - 255
	Y fine	000 - 255
	XY speed	000 - 255
	Dimmer	000 - 255
	Strobe	000 - 255
	Color wheel	000 - 255
	Gobo wheel	000 - 255
	Prism	000 - 255
	Zoom	000 - 255
	Colorfull	000 - 255
	Macro	000 - 255
	Macro speed	000 - 255
	Reset	Yes / No
System information	Software version number	001 - 255
Calibration setting Password (up and down)	X-axis calibration	001 - 255
	Y-axis calibration	001 - 255
	Zoom calibration	001 - 255
	Color wheel calibration	001 - 255
	Gobo wheel calibration	001 - 255
	Prism calibration	001 - 255
	Zoom calibration	001 - 255
	Colorful calibration	001 - 255

### Manual control

This interface is used to control the current luminaire.

Press "OK" to enter the editing state. Press the Up and Down keys to change the channel value. Press "OK" again to save the modified value and exit editing. Press "Exit" to exit editing without saving the modified value.

### System Calibration

Password "Up and Down (key)", press the "OK" key to enter.

Option	Description
Initial position and brightness	After entering the sub-interface, you can adjust the initial position of X axis, Y axis, color wheel, Gobo wheel, fog prism, colorful, prism, Zoom motor, adjustment range 0~ 255,128 indicates no adjustment.

## 6. DMX Channels

15CH	Function	Value	Description
1	X axis	0-255	0-540°
2	X axis fine	0-255	X fine
3	Yaxis	0-255	0-270°
4	Y axis fine	0-255	Y fine
5	XYspeed	0-255	From fast to slow
6	Gobo White	0-255	From dark to bright
7	Gobo Strobe	0	No function
		1-255	Speed from slow to fast (1HZ~25HZ)
8	Color wheel	0--10	White
		11--21	Color 1
		22--32	Color 2
		33--43	Color 3
		44--54	Color 4
		55--65	Color 5
		66--76	Color 6
		77--87	Color 7
		88--98	Color 8
		99--109	Color 9
		110-120	Color 10
		120-127	Color 11
		128-191	Clockwise color automatic flow from fast to slow
		192-255	Counterclockwise color automatic flow from slow to fast
9	Gobo wheel	0-15	White
		16--23	Gobo1
		24-31	Gobo2
		32-39	Gobo3
		40-47	Gobo4
		48-55	Gobo5
		56-63	Gobo6
		64-71	Gobo7
		72-79	Gobo8
		80-87	Gobo9
		88-95	Gobo10
		96-103	Gobo11
		104-111	Gobo12
		112-119	Gobo13
		120-127	Gobo14
		128-191	Clockwise Gobo automatic flow from fast to slow
		192-255	Counterclockwise Gobo automatic flow from slow to fast
10	Prism	0-7	Prism turn on
		8-127	Prism turn off
		128-255	The rotation of the prism goes from slow to fast
11	Zoom motor	0-255	From far to near
12	Colorful effect	0-7	No function
		8-127	Colorful effect


		128-255	Atomization
13	Macro	0-49	No function
		50-149	Auto
		150-255	Sounds control
14	Macro speed	0-255	From fast to slow
15	Reset	0-240	No function
		241-255	It works after the whole machine is reset 5second

## Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

	<p><b>CAUTION!</b></p> <p>Disconnect from mains before starting maintenance</p>
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In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions". Should you need any spare parts, please order genuine parts from your local dealer.

## REMARK

The product has perfect performance and integrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.