

LED 150W Beam Moving Head



This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty.
The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.

Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell or smell may arise. This is a normal process and does not necessary mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer of his service agent or a similar qualified person in order to avoid a hazard.

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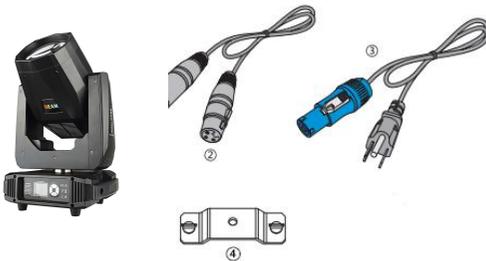
UNPACKING

Thank you for choosing our LED 150W moving head light. For your own safety, please read this manual before installing the device. This manual covers the important information on

installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The LED 150W is made of a new type of high temperature strength of engineering plastic and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The 150W Moving head light which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



①	Moving Head	1PC
②	Signal Cable	1PC
③	Power Cable	1PC
④	Omega Clamp	1PC
⑤	User Manual	1PC

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FEATURES & SPECIFICATIONS

Features

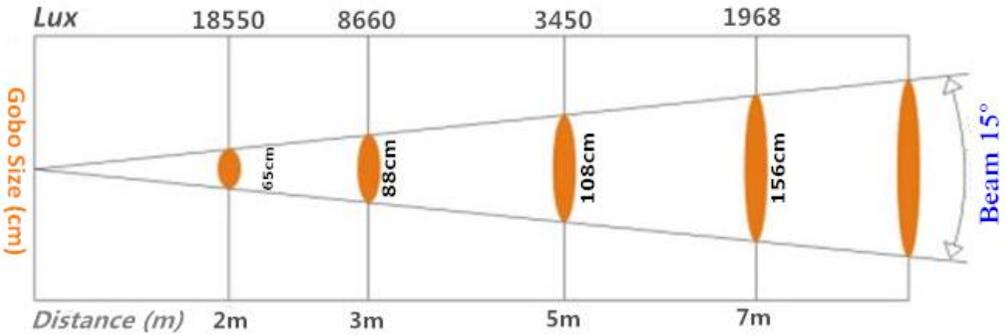
- 150W High Output White LED
- 50,000 hours lifespan and low power consumption
- Beam Angle 15°, focus function
- High light output, 3450LUX@5M at White light
- Temperature protect function, when the internal Temperature is up to 40° and then the fans begin to work, when the internal temperature is up to 70°and the brightness reduce half.
- Color Wheel: 13+WHITE colors +white, rotation with variable direction and speed
- Gobo Wheel: 11 gobos +white, wheel rotation and shake
- Prism: 8-facet Prism, bi-directionally rotatable at variable speeds
- High speed strobe effect with 1-25 flashers per second
- Internal program available
- 16/20DMX Channels USITT DMX-512
- Colorful LCD display
- Efficient low noise fan cooling system
- POWERCON IN/OUT
- 3-pin XLR connectors IN/OUT
- Two 1/4 turn fastening Omega Clamps
- IP 20 protection rating

Dimensions: 270(D)*270(W)*470(H)mm

Packing size: 305(D)*305(W)*500(H)mm

Net Weight: 10.6kg, Gross Weight:12.6kg

4 PHOTOMETRIC DATA



5 OPERATION INSTRUCTIONS

- The moving head is for spot effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronics shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

- Make sure the fixture is operated by qualified personnel who know the fixture before using.
- Keep the original packages if any second shipments is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

6 ***INSTALLATIONS***

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 items the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

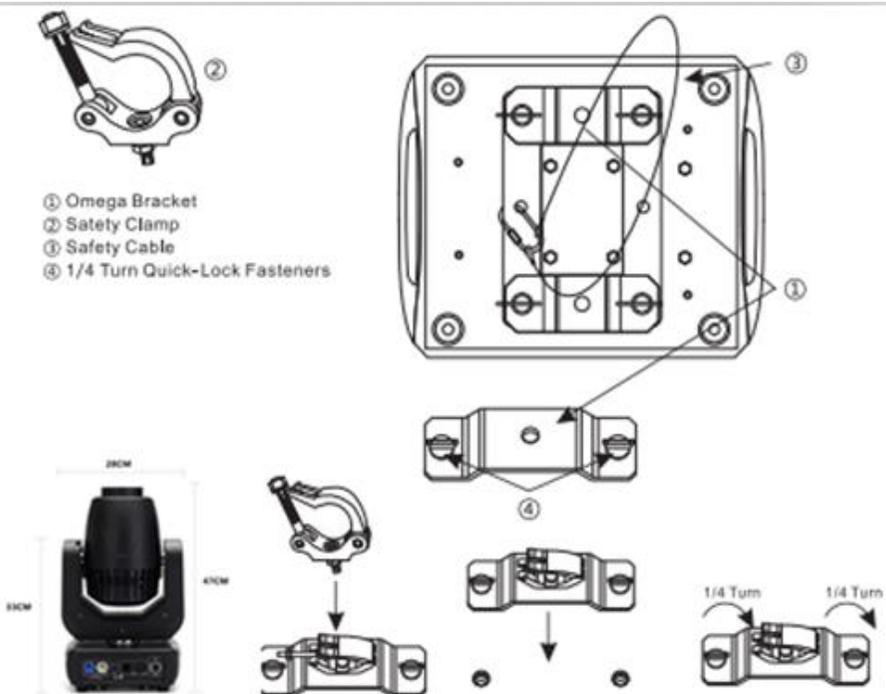
From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points: Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

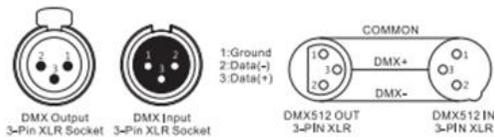
Clamp Mounting: The LED moving head provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.



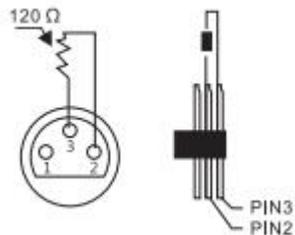
Regardless of the rigging option you choose for your LED moving head, always be sure to secure your fixture with a safety cable. The fixture providers a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

7 ***DMX-512 CONTROL CONNECTIONS***

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 head 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.



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.

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MENU OPERATIONS

MENU

MAIN	SECOND	THIRD
Dmx Address	1 - 512	
Fixture	Dmx Mode	STD/EXT
	Run Mode	DMX/Host/Sound
	Pan Invert	Close/Open
	Tilt Invert	Close/Open
Manual	Pan	0 - 255
	Pan Fine	0 - 255
	Tilt	0 - 255
	Tilt Fine	0 - 255
	⋮	⋮
	Reset	0 - 255
Information	Time	Current Time: xxx H
		Show Time: xxx H
		Power Count: xxx
	Sensor	Type Information
	Temperature	Head Temp: xxx C
		Fan Speed: xxxx RPM
	Software Version	Panel: Vx.xxx
		XY Motor: Vx.xxx
Motor: Vx.xxx		
Factory	Password	0 - 255
	Pan	0 - 255

	Tilt	0 - 255
	Dimmer	0 - 255
	Color	0 - 255
	FixGobo	0 - 255
	Colorful	0 - 255
	Frost	0 - 255
	Prism1	0 - 255
	Prism2	0 - 255
	Zoom	0 - 255
Reset	All Reset	Cancel/Run
	Factory	Cancel/Run
Display	Language	CH/EN
	Display Flip	Close/Open
	Display Mode	Show/60s

9 DMX CHANNELS

Standard(20CH)	Simple(16CH)	DMX value	Function(English)
1	1	0-255	Pan
2	2	0-255	Pan Low
3	3	0-255	Tilt
4	4	0-255	Tilt Low
5	*	0-255	P/T Speed
6	5		Shutter
		0-3	Closed
		4-103	SLOW - FAST
		104-107	Open
		108-207	Pulse FAST-SLOW

		208-212	Open
		213-225	SLOW
		226-238	Medium
		239-251	FAST
		252-255	Open
7	6	0-255	Dimmer
8	*	0-255	Dimmer Fine
			Colour
		0-4	white
		5-9	Colour white+1
		10-14	Colour 1
		15-19	Colour 1+2
		20-24	Colour 2
		25-29	Colour 2+3
		30-34	Colour 3
		35-39	Colour 3+4
		40-44	Colour 4
		45-49	Colour 4+5
		50-54	Colour 5
		55-59	Colour 5+6
		60-64	Colour 6
		65-69	Colour 6+7
		70-74	Colour 7
		75-79	Colour 7+8
		80-84	Colour 8
		85-89	Colour 8+9
		90-94	Colour 9
		95-99	Colour 9+10
		100-104	Colour 10
		105-109	Colour 10+11
		110-114	Colour 11
9	7		

		115-119	Colour 11+12
		120-124	Colour 12
		125-129	Colour 12+13
		130-134	Colour 13
		140-149	white
		115– 199	FAST-SLOW
		200-205	STOP
		206-255	SLOW - FAST
10	*	0-255	Colour Fine
			Gobo
		0-9	white
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo 7
		80-89	Gobo 8
		90-99	Gobo 9
		100-109	Gobo 10
		110-119	Gobo 11
		120-127	Gobo 1 Jitter
		128-135	Gobo 2 Jitter
		136-143	Gobo 3 Jitter
		144-151	Gobo 4 Jitter
		152-159	Gobo 5 Jitter
		160-167	Gobo 6 Jitter
		168-175	Gobo 7 Jitter
		176-183	Gobo 8 Jitter
		184-191	Gobo 9 Jitter
11	8		

		192-199	Gobo 10 Jitter
		200-207	Gobo 11 Jitter
		208-230	FAST-SLOW
		231-232	STOP
		233-255	SLOW - FAST
12	9	0–255	Foucs
13	*	0–255	Foucs Fine
14	10		Colour 7
		0-127	Emptv
		128-255	Colour 7
15	11		Frost
		0-255	Frost
16	12		Prism 1
		0–127	Emptv
		128-255	Prism 1
17	13		Prism 1-Rot
		0–63	Linear
		64–126	FAST ROTATION - SLOW ROTATION
		127–128	STOP
		129–191	SLOW ROTATION - FAST ROTATION
		192–255	SLOW - FAST
18	14		Prism 2
		0–127	Emptv
		128-255	Prism 2-Rot
19	15		Prism 2-Rot
		0–63	Linear
		64–126	FAST ROTATION - SLOW ROTATION
		127–128	STOP

		129—191	SLOW ROTATION - FAST ROTATION
		192—255	SLOW - FAST
20	16		Reset
		200—250	Reset
		其它	Emptv

10 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.



CAUTION

Disconnect from mains before starting maintenance operation.



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 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.