

LED SPOT MOVING HEAD LIGHT

MJ-1051



User manual

=====PROFESSIONAL STAGE LIGHTING =====

Thank you for choosing our LED moving head light. For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Catalogue

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☆Important notice:

- In this instruction for use contains about the installment and the use aspect important information of the LED moving head. When installing and using, you need to look this usage instruction strictly.
- Before open the LED moving head and if you want to do the repair work, please make sure the power source is at the separation condition.
- Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer or dealer.

Attention: Unceasingly carries on the product improvement about our company the policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains when the product improvement changes the related specification the authority. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

SAFE USAGE OF THE PRODUCT

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The product is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.

The product is not designed or intended to be mounted directly on to inflammable surfaces

The product is only intended for installation, operation and maintenance by professional person.

The product must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.

Do not project the beam onto inflammable surfaces, minimum distance is m. $\geq 5m$

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.


It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

Keep the optical system clean. Do not touch the lens with bare hands.

The product should always be installed with a secondary safety fixing. On the projector base brack, there is a hole for the safety cord provided. It should be attached as shown in “installing the projector” section.

The lens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches. 

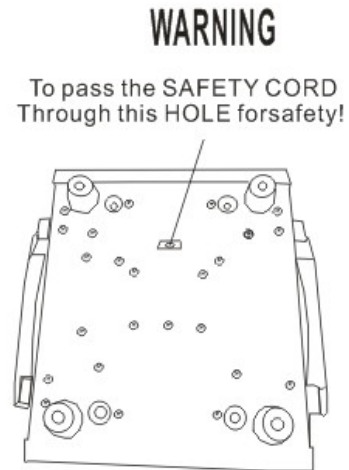
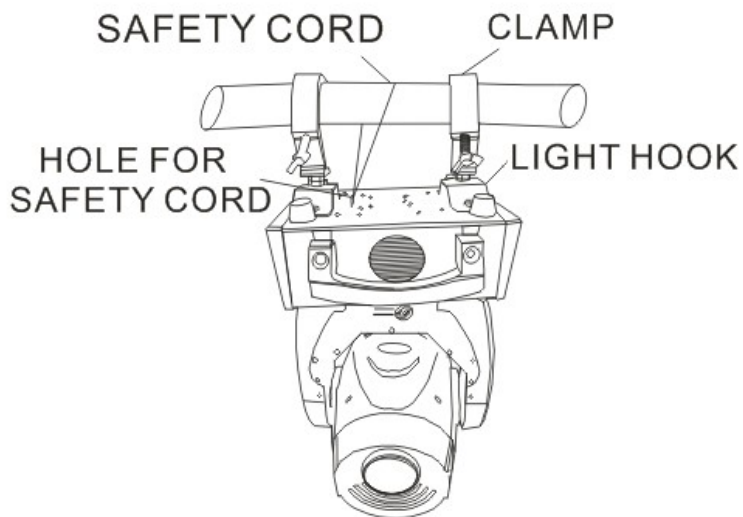
Exterior surface temperatures of the luminaire after 5 minutes operation is 40°C, when steady state is achieved 50°C.

There is no user serviceable parts inside the projector, do not open the housing and never operate the product with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

★Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !

Install The Equipment:



Use 2pcs clamp and 1safety cord(need to purchase).Use clamp fix with light hook which in the packing box with light, then use screw install to the bottom of lamp. Hang the fixture on the structure and fasten the screws attached to each clamp. Make sure the light is installed reliable, and confirm the light which you fixed is strong enough for hanging the light. Base on safety reason, please according to the above picture using safety wire cross the light to make it strong enough again.

Warning!

1. Light Hook and clamp only use for hanging the light. Do not use clamp as a tool to move fixtures.
2. Base on safety reason, please use the safety cord which can afford the weight ten times of lamp through Insurance hole for auxiliary hanging.
3. Don't use the handle of the moving head light to fixed or lift!

Power Code Connection:

Connect the power cord as follows:

L (live) =brown

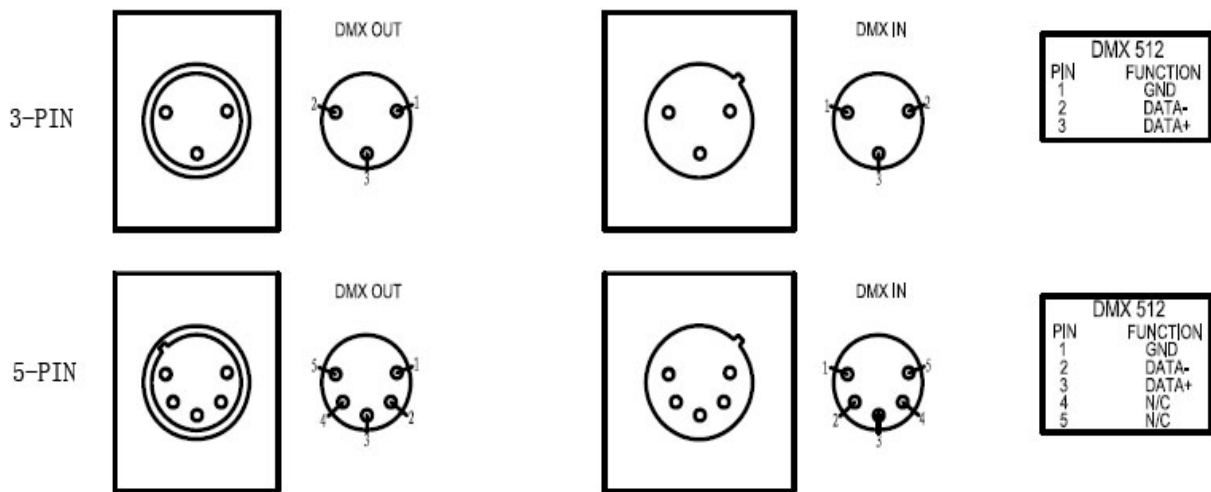
E (earth) =yellow/green

N (neutral) =blue

Use the plug provided to connect the mains power to the projector paying attention to the voltage and frequency marked on the panel of the projector. It is recommended that each projector be supplied separately so that they may be individually switched on and off.

★It is essential that each projector is correctly earthed and the electrical installation conforms to all relevant standards.

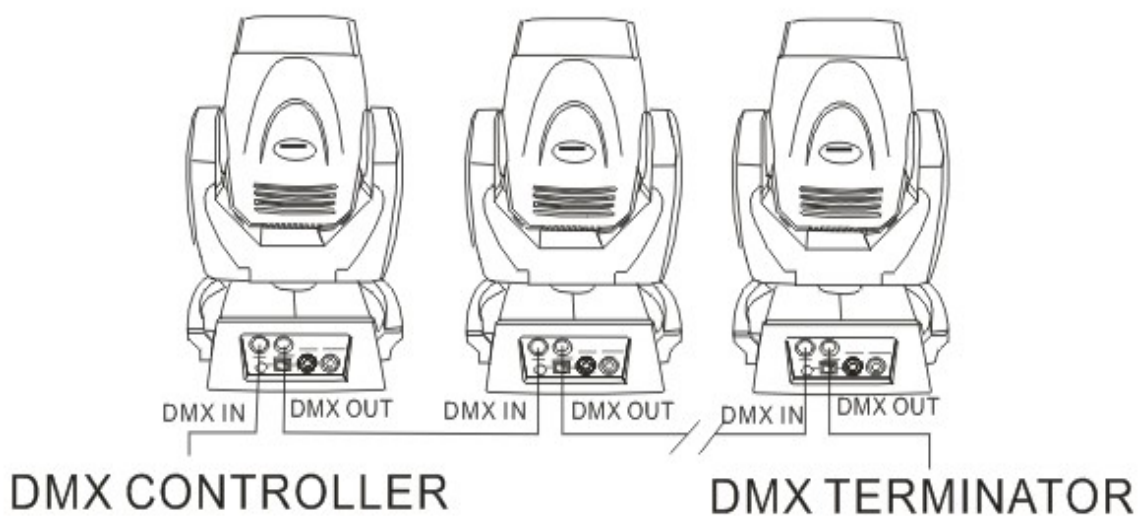
DMX Connection:



Connection between the controller and a projector and between one projector and another must be made with a 2 core-screened cable, with each core having at least a 0.5mm diameter. Connection to and from the projector is via cannon 3 pin (which are included with the projector) XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way. The XLED 590 accepts digital control signals in protocol DMX512 (1990).

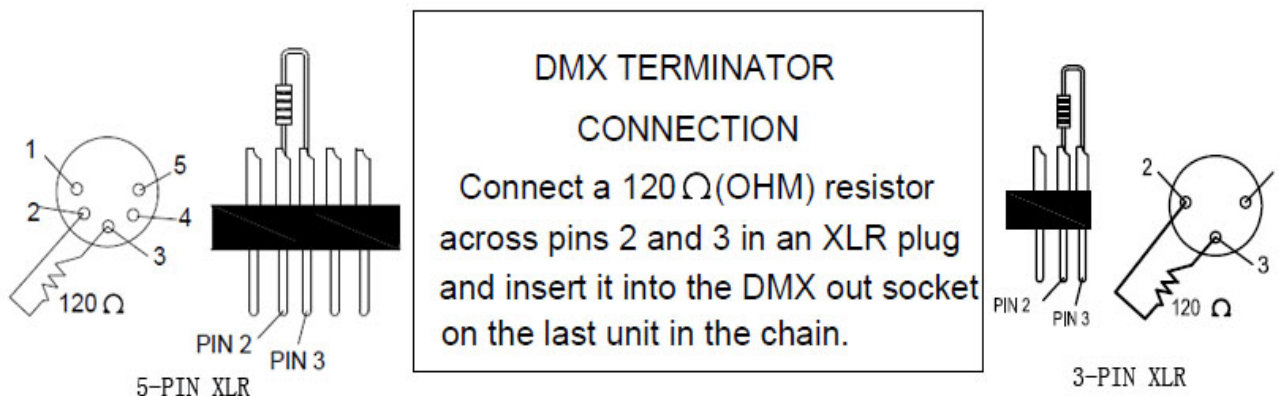
Connect the controller's output to the first fixture's input, and connect the first fixture's output to the second fixture's input and connect the rest fixtures in the same way. Eventually connect the last fixture's output to a DMX terminator as shown in the figure below.



DMX Terminator:

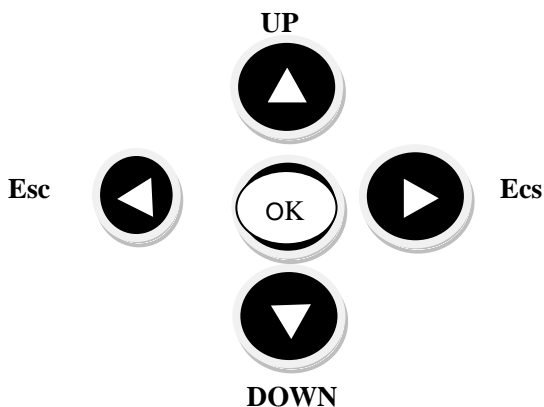
In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



Function Set:

1. Button Operation



Use button switch can set the address code and function code easily.

Check or modify lighting function settings, Press the any button. LCD display panel will display main menus. Function operation menu all have corresponding submenu . Each menu all represent the specific functions of lamps, specific see below "operation menu" section.

Set or browse function setting of lamp, Press **UP** ,**DOWN** key.

Press **OK** key to save your changes or to enter submenu, Press **UP** or **DOWN** can change value(Plus or reduce number).

Operation Menu:

Main Menu	Sub Menu	Sub Menu Function
Setting	Run Mode	DMX
		Sound
		AUTO01
		AUTO02
		AUTO03
		AUTO04
		Rand
	DMX address	1-512
	Channel mode	16CH
	Sound sensitivity	1-99
	Pan invert	ON/OFF
	Tilt invert	ON/OFF
	Pan Tilt swap	ON/OFF
	Code wheel	ON/OFF
	Signal Time out	CLEAR/KEEP
Screen Saver	ON/OFF	
Colour Smooth	ON/OFF	
Load Factory Set	Yes/No	
Test	Dimmer	0-255
	Strobe	0-255
	Pan	0-255
	Pan fine	0-255
	Tilt	0-255
	Tilt fine	0-255
	Pan and Tilt Speed	0-255
	Colour	0-255
	Gobo	0-255
	Gobo 2	0-255
	Gobo 2Rotation	0-255
	Focus	0-255
	Prism1/Prism2/Frost	0-255
	Prism Rotation	0-255
	Macro	0-255
	Reset	Yes/No

Off set(need password)	Pan off set	(-128) - (+127)
	Tilt off set	(-128) - (+127)
	Colour off set	(-128) - (+127)
	Gobo off set	(-128) - (+127)
	Focus off set	(-128) - (+127)
	Prism off set	(-128) - (+127)
	Gobo2 off set	(-128) - (+127)
Advance	Language Switch	Yes/No
	Screen Rot.	Yes/No
	Hours Clear	Yes/No
	Top Temperature	0-120(80)
Hard Ware	Focus Hall	x
	Gobo Hall	x
	Gobo2 Hall	x
	Prism/Frost Hall	x
	Pan Code Wheel	xx
	Pan Steps	XXXXX
	Tilt Code Wheel	XX
	Tilt Steps	XXXXX
	Colour Hall	X
	Tilt Hall	X
Sys Infor	versions	170703085610
	Total Hours	XXXXX
	On Hours	XXXXX
	Temperature	XXX

Control panel of LED display information:

Red	On	Error
Green	On	DMX signal ok
	Off	No DMX signal

Maintenance:

To prolong the life of the projector, some maintenance work has to be done to ensure the LED optical system in good condition. If the projector does not function, check the fuses on the power socket of the projector, they should only be replaced by fuses of the same specification. Should these be damaged, call a qualified technician before replacement. The projector has thermal protection device that will switch off the projector in case of overheating. Should either of these operate, check that the fans are not blocked, and if they are dirty, clean them before switching on the projector again. Check that the fans are operational, if not, call a qualified technician.

☆Any maintenance work should only be carried out by qualified technicians.

Keeping The Product Clean:

To ensure the reliability of the projector, it should be kept clean. It is recommended that the fans should be cleaned every 15 days. LED lens should also be regularly cleaned to maintain an optimum light output.

Cleaning frequency depends on the environment in which the fixture operates: damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. A soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean the external optics at least once every 15 days.

☆**Do not use any organic solvent, e.g. alcohol, to clean housing of the apparatus.**

Trouble Shooting:

Problem	Answer
The LED moving head light doesn't switch on.	Check the fuse the power socket
Although shines, but the LED moving head lamp doesn't accept the instruction of the controller.	Check the digital start address and also check the connection situation of the communication control line
LED moving head lamp only can work intermittently.	Inspect the power supply and voltage is whether normal.
Do not receive the DMX512 signal.	Whether the signal lines do contact well or broken.
The light beam appears gloomily.	Check that the heat dissipation system is running normally or Inspect the optics part is whether clean.

☆**Other maintain work should by the specialist which has the experience to carry on.**

Equipment and Appendix:

The packing list of this light as follows:

- ☆ Led moving head light 1pcs
- ☆ Power Cable 1pcs
- ☆ XLR connector 1unit
- ☆ Light Hook 2pcs
- ☆ The Product of Instruction 1pcs

Channel List:(16CH)

Channel	Function	Value	Function Description
CH1	Dimmer	0-255	Dimmer from dark to bright
CH2	Strobe	0-10	Open
		11-255	Strobe from slow to fast
CH3	Pan	0-255	Pan movement (0-540)
CH4	Pan Fine	0-255	Pan Fine 16bit

CH5	Tilt	0-255	Tilt movement (0-540)
CH6	Tilt Fine	0-255	Tilt Fine 16bit
CH7	Speed	0-255	P/T speed from fast to slow
CH8	Color	0-4	Open
		5-9	Open +Color 1
		10-14	Color 1
		15-19	Color 1+ Color 2
		20-24	Color 2
		25-29	Color 1+ Color 3
		30-34	Color 3
		35-39	Color 3+ Color 4
		40-44	Color 4
		45-49	Color 4+ Color 5
		50-54	Color 5
		55-59	Color 5+ Color 6
		60-64	Color 6
		65-69	Color 6+ Color 7
		70-74	Color 7
		75-79	Color 7+ Color 8
		80-84	Color 8
85-89	Color 8+ Open		
90-169	Rotate clockwise from fast to slow to fast slow		
170-174	Stop rotation		
175-255	Rotate counterclockwise from slow to fast		
CH9	Fix Gobo	0-9	Open
		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	White shake from slow to fast
		90-99	Gobo 1 shake from slow to fast
		100-109	Gobo 2 shake from slow to fast
		110-119	Gobo 3 shake from slow to fast
		120-129	Gobo 4 shake from slow to fast
		130-139	Gobo 5 shake from slow to fast
		140-149	Gobo 6 shake from slow to fast
		150-159	Gobo 7 shake from slow to fast
		160-204	Gobo rotate clockwise from fast to slow
205-209	Stop		
210-255	Gobo rotate counterclockwise from slow to fast		

CH10	Rotate Gobo	0-9	Open
		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	White shake from slow to fast
		90-99	Gobo 1 shake from slow to fast
		100-109	Gobo 2 shake from slow to fast
		110-119	Gobo 3 shake from slow to fast
		120-129	Gobo 4 shake from slow to fast
		130-139	Gobo 5 shake from slow to fast
		140-149	Gobo 6 shake from slow to fast
		150-159	Gobo 7 shake from slow to fast
		160-204	Gobo rotate clockwise from fast to slow
		205-209	Stop
		210-255	Gobo rotate counterclockwise from slow to fast
CH11	Gobo Rotate	0-127	Gobo 360 degrees rotation
		128-190	Gobo rotate clockwise from fast to slow
		191-192	Stop
		193-255	Gobo rotate counterclockwise from slow to fast
CH12	Focus	0-255	Linear focus
CH13	Prism/Frost	0-49	No function
		50-99	3-face Prism
		100-149	6-face linear prism
		150-255	Frost
CH14	Prism Rotate	0-127	Prism rotation 360 degrees
		128-190	Prism rotate clockwise from fast to slow
		191-192	Stop
		193-255	Prism rotate counterclockwise from slow to fast
CH15	Macro	0-5	No function
		6-55	Show mode 1
		56-105	Show mode 2
		106-155	Show mode 3
		156-205	Show mode 4
		206-255	Random model
CH16	Reset	0-25	No function
		26-76	Effect motor reset
		77-127	P/T motor reset
		128-255	Reset all motor (Hold for 5 seconds)

Technical Parameters:

Voltage: AC100V-240V; 50/60Hz

Power Consumption: 230W (220V)

LED Bulbs: 150W*1pcs White LUMEN LED

Color temperature : 7500K

LED Current: 7.5A

LED Lifetime: 50000Hours

Color: 8 color + open color wheel

Gobo: 7 Fixed Gobo + open Gobo wheel

7 Rotation Gobo + open Gobo wheel

Prism 1 : 1pcs rotation 3-face prism, Bilateral rotation.

Prism 2 : 1pcs rotation 6-face linear prism, Bilateral rotation.

Frost : 1Pcs frost mirror

Dimmer : 0-100% linear adjustment

Strobe: 1-25/second high speed strobe, but single color Mixes the color strobe

Focus :Electric focus from near to far

Head Movement: Pan 540°, Tilt 270°, with auto position correction and electronic replacement function.

Control mode: DMX 512, Stand –alone mode, Self-test mode, Sound, Master/slave

DMX Channel: 16CH

Control Panel: LCD display panel with 5 buttons, the menu can be set English and Chinese menu

IP Grade: IP20

Work Environment Temperature: -20°C~40°C

Net weight:13KG

Gross Weight:15kg

Package Size: 49 x 37x 63cm