LED SPIDER MOVING HEAD LIGHT
MJ-1031
(White)

INSTRUCTION MANUAL

Thank you for choosing our LED spider 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 product the beam onto inflammable surfaces, minimum distance is 5m. ◁ 5m ㅌ

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 LED lens with bare hands.

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

LED 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 ℃，when steady state is achieved 50 ℃.

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 !**

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Install The Equipment:

Use 1pcs clamp (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．Hook and clamp only use for hanging the light. Do not use clamp as a tool to move fixtures.
2．Don't use the handle of the moving head light to fixed or lift!

Power Code Connection:

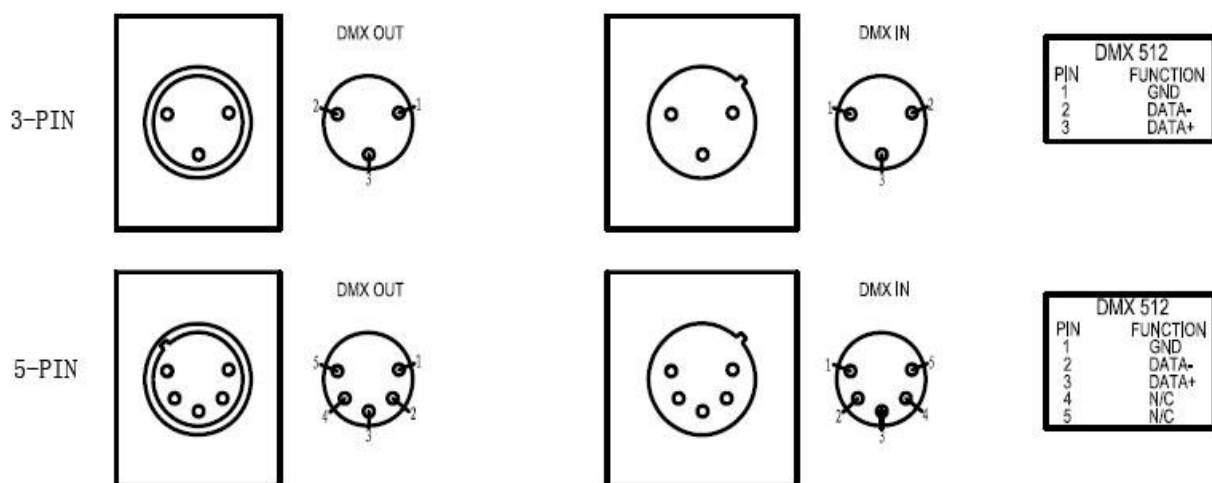Connect the power cord as follows:

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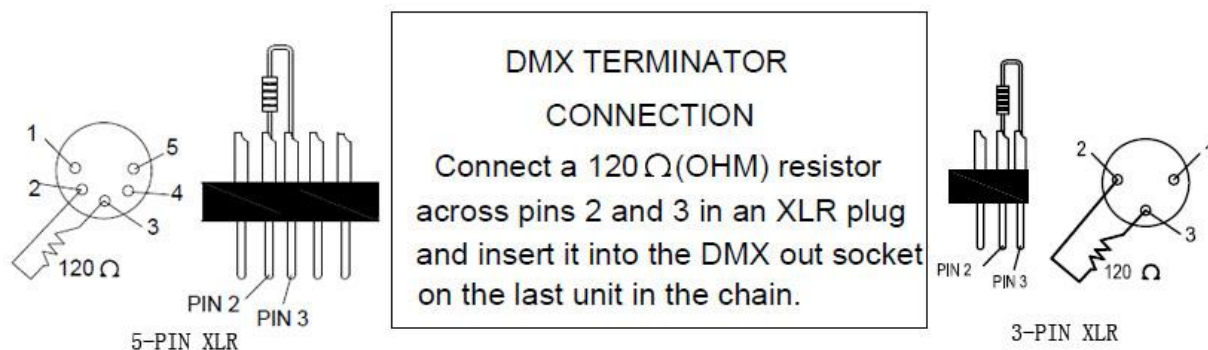
Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way. The XLED 590 accepts digital control signals in protocol DMX512 (1990).

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.
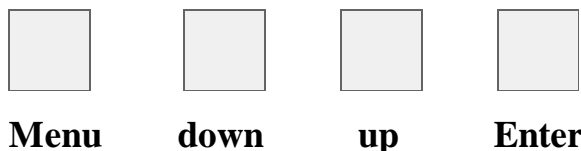
DMX Terminator:

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:

| Menu | down | up | Enter |

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

Check or modify lighting function settings, Press the **MENU** button. LED display panel will display function menu of lighting. 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** or **DOWN** button.

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

According to the **ENTER** key to return to the last menu.

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Menu Function Description：

No.	Display	Function
1	DMX-MODE CH14	14/20 channel choose
2	DMX-ADR 001	DMX address　（0－255）
3	ADJ－R 255	Adjust the brightness（0－255）
7	PROGRAM 001	Inner program
8	SPEED 16	Inner program　speed (1-16)
9	TEST　MODE	Sound and Automatic control model choose
10	RESET	Rest

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

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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　　　　　　　　　1pcs
☆　　The Product of Instruction　　1pcs

Channel List:

14Channel model

Channel	Function	Value	
CH1	Pan	0-255	
CH2	Tilt 1	0-255	
CH3	Tilt 2	0-255	
CH4	Pan fine Main dimming	0-255	
CH5	Tilt 1 Fine	0-255	
CH6	Tilt 2 Fine	0-255	
CH7	Motor speed	0-255	
CH8	Main dimming	0-255	
CH9	Strobe	0-255	
CH10	Dimming		
CH11	The LED bulb control	0-9	All ON
		10-39	L1 ON
		40-69	L2 ON
		70-99	L3 ON
		100-129	L4 ON
		130-159	L5 ON
		160-189	L6 ON
		290-219	L7 ON
		220-250	L8 ON

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CH12	Macro	0-10 No function 11-29 Light ON 30-49 Light Strobe 50-249 macro function 250-255 sound control DMX address is more than 10, each add 20 will be a macro function
CH13	Macro speed	0-255 from fast to slowly
CH14	Sound and Automatic control	0-64 No function 65-128 Auto model 129-192 Sound model 193-255 Rest Each functional delay for 10 seconds

20Channel model

Channel	Function	Value
CH1	Pan	0-255
CH2	Tilt 1	0-255
CH3	Tilt 2	0-255
CH4	Pan fine Main dimming	0-255
CH5	Tilt 1 Fine	0-255
CH6	Tilt 2 Fine	0-255
CH7	Motor speed	0-255
CH8	Main dimming	0-255
CH9	Strobe	0-255
CH10	L1 Dimming	0-255
CH11	L2 Dimming	0-255
CH12	L3 Dimming	0-255
CH13	L4 Dimming	0-255
CH14	L5Dimming	0-255
CH15	L6Dimming	0-255
CH16	L7 Dimming	0-255
CH17	L8 Dimming	0-255
CH18	Macro	0-10 No function 11-29 Light ON 30-49 Light Strobe 50-249 macro function 250-255 sound control DMX address is more than 10, each add 20 will be a macro function
CH19	Macro speed	0-255 from fast to slowly
CH20	Sound and Automatic control	0-64 No function 65-128 Auto model 129-192 Sound model 193-255 Rest Each functional delay for 10 seconds

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Technical Parameters:

Voltage: AC90V-240V; 50/60Hz

Power Consumption: 120W (220V)

LED Bulbs: 10W*8LEDs Lumen White LED

LED Current: 1800mA

LED Lifetime: 50000Hours

Adjusts the light: 0-100 electron adjusts the light

Strobe: 1-25/second high speed strobe

Pan Movement: 540°,

Tilt Movement: 180°,

Beam Angle: 6°

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

DMX Channel: 14/20CH

Control Panel: LED display panel

IP Grade: IP33

Work Environment Temperature: -20℃~40℃

Net weight:7.5KG

Gross Weight: 8.8 kg

Package Size:46 x 32x 29cm

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