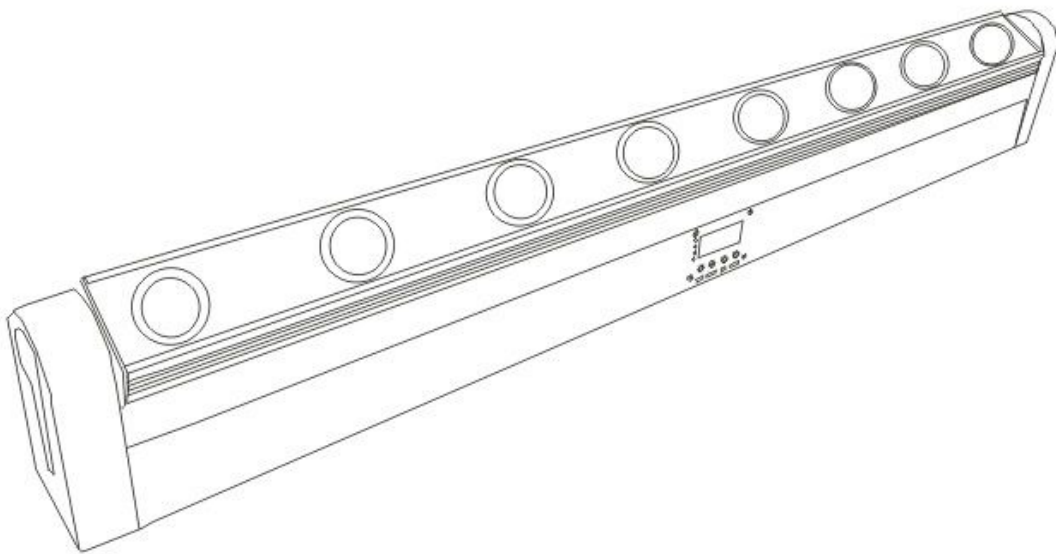


# **LED ROTATION BEAM LIGHT**

## **M-L188C-4 IN 1**



### **INSTRUCTION MANUAL**

**Thank you for choosing our LED rotation beam 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 5m. ⚠ 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 LED lens with bare hands.

The product should always be installed with a secondary safety fixing. On the projector base bracket, 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. ⚠ ⚠

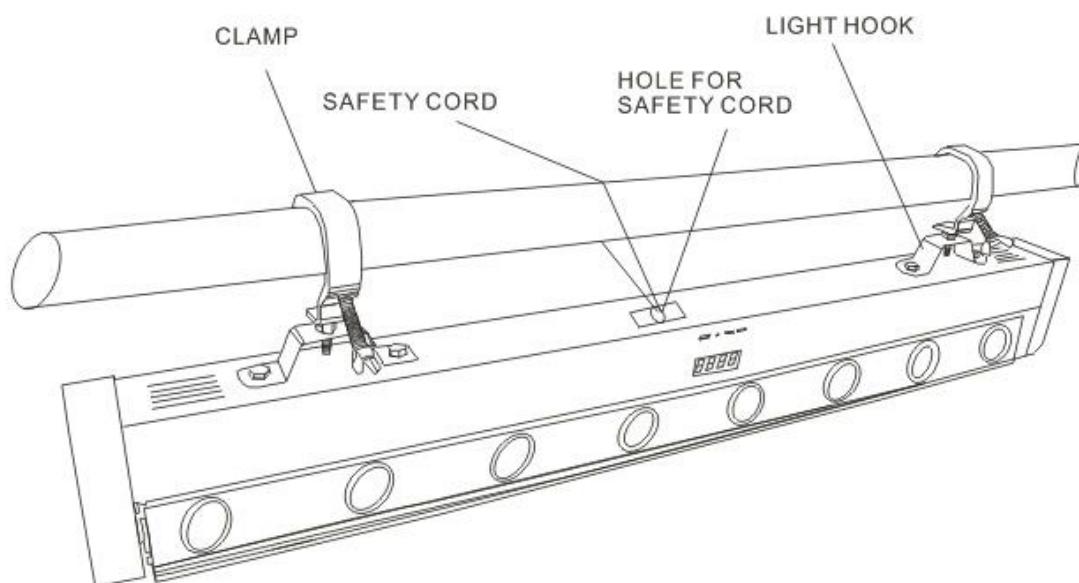
Exterior surface temperatures of the luminaire after 5 minutes operation is 40°C, when steady state is achieved 50°C.

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 (need to purchase). Use clamp fix with light hook which in the packing box with light, then use fastlock install to the bottom of lamp. Hang the fixture on the structure and fasten the screw 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. Base on safety reason, please use the safety cord which can afford the weight ten times of lamp through Insurance hole for auxiliary hanging.

## Power Code Connection:

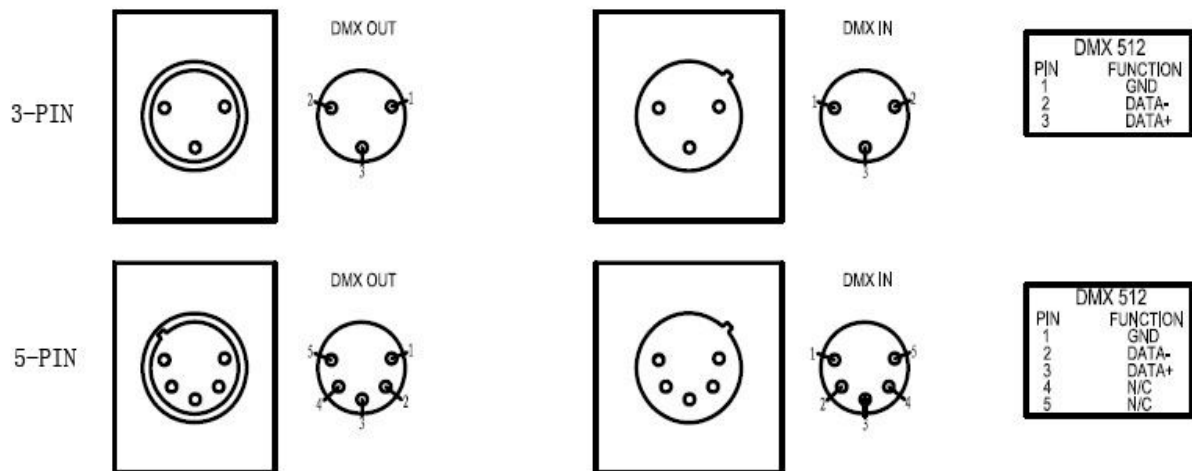
Connect the power cord as follows:

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.

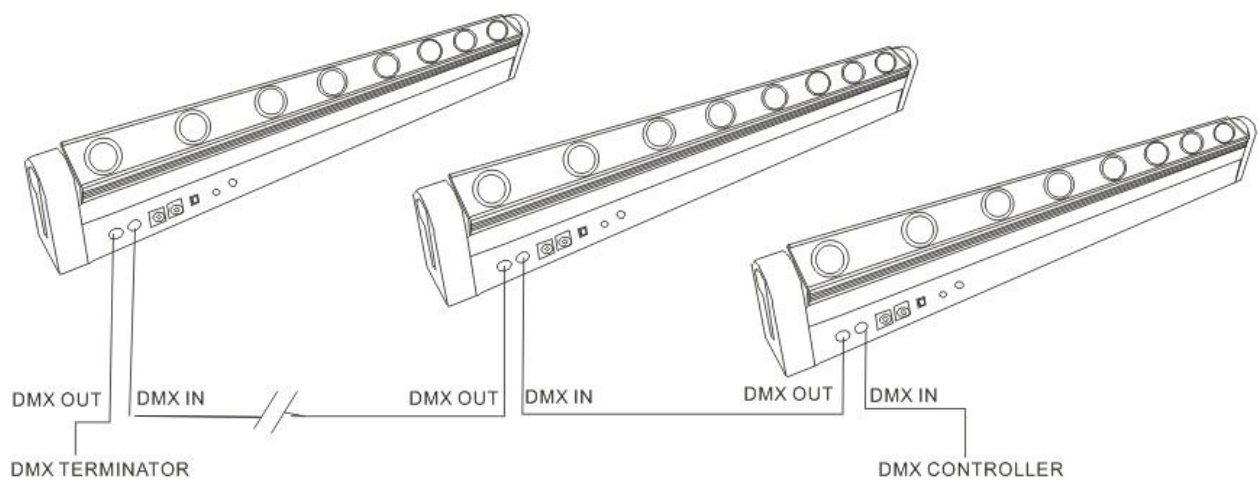
## DMX Connection:



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).

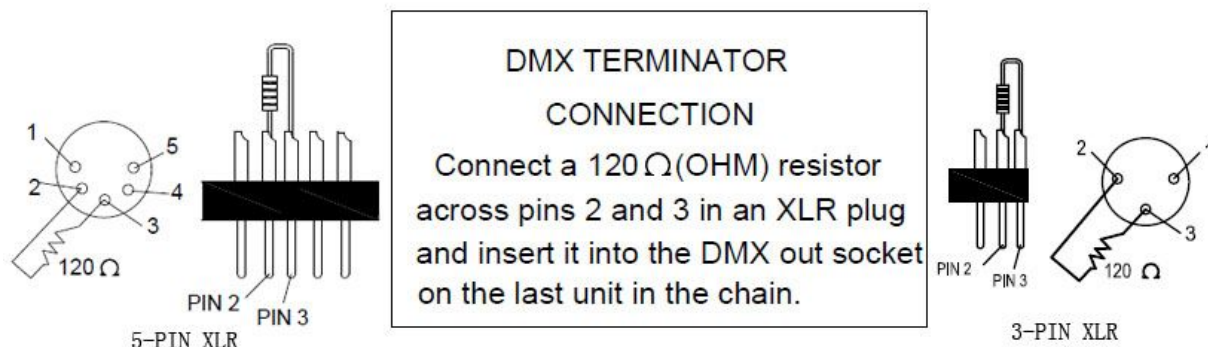
Connect the controller's output to the first fixture's input, and connect the first fixture's output to the second fixture's input and connect the rest fixtures in the same way. Eventually connect the last fixture's output to a DMX terminator as shown in the figure below.



## DMX Terminator:

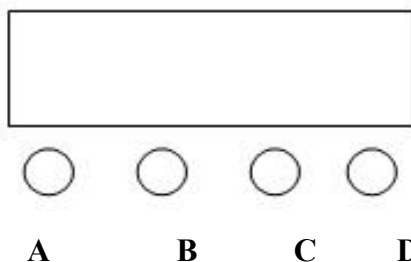
In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a  $120\Omega$  (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:

### Graphic part



- A. Function button
- B. UP
- C. DOWN
- D. Enter

**Operation description:** Press “A” will cycle out seven different functional effect, LED Top row in represent the current function (Reference function table). LED Top row on behalf of the function in the address code、or speed and other parameters。Press B or C key can modify the parameter value。Press D to confirm。

## LED Display Menu Function: (All the functions are selected, press D to confirm.)

No	Display	Function description
1	A001	10 channel address code, (001—512) B、C button plus or reduce address code value
2	D001	38 channel address code, (001—512) B、C button plus or reduce address code value
3	CC00	7 colors change jump, (01—99) B、C button change speed of jump
4	CP00	7 colors change fade, (01—99) B、C button change speed of fade
5	DE00	Colorful pulse variable、gradient, (01—99) B、C button change speed of pulse and gradient

6	FF00	Running changes, (01—99) B、C button change speed of running
7	BEB1	7 colors sound control running changes 1
8	BEB2	7 colors sound control running changes 2

## 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:

### 10Channels description

Channel	Function	Description
CH1	Motor	Motor position
CH2	Motor	Motor speed
CH3	Main dimmer	R.G.B.W main dimmer, Linear dimmer, from dark to bright
CH4	Main strobe	R.G.B.W. main strobe,from slow to quick
CH5	Function choose	0--20: DMX 10 channel control; 21--70: jump change; 71--120: fade; 121--170: Pulse; 171--220: running; 221--240: voice control 1; 241--255: voice control 2
CH6	Function speed	Function speed from slow to quick
CH7	R dimming	R dimming, Linear dimming, from dark to bright
CH8	G dimming	G dimming, Linear dimming, from dark to bright
CH9	B dimming	B dimming, Linear dimming, from dark to bright
CH10	W dimming	W dimming, Linear dimming, from dark to bright

### 38 channels description

No	Function	Description
CH1	Motor	Motor position
CH2	Motor	Motor speed
CH3	Main dimmer	R.G.B.W main dimmer, Linear dimmer, from dark to bright
CH4	Main strobe	R.G.B.W. main strobe,from slow to quick
CH5	Function choose	0--20: DMX 10 channel control; 21--70: jump change; 71--120: fade; 121--170: Pulse; 171--220: running; 221--240: voice control 1; 241--255: voice control 2
CH6	Function speed	Function speed from slow to quick
CH7	R 1 dimming	R 1 dimming, Linear dimming, from dark to bright
CH8	G 1 dimming	G 1 dimming, Linear dimming, from dark to bright
CH9	B 1 dimming	B 1 dimming, Linear dimming, from dark to bright



