

# **SUPER CYCLONE MOVING HEAD**

## **MJ-1039(4IN1)**



## **INSTRUCTION MANUAL**

**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 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 brack, 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 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

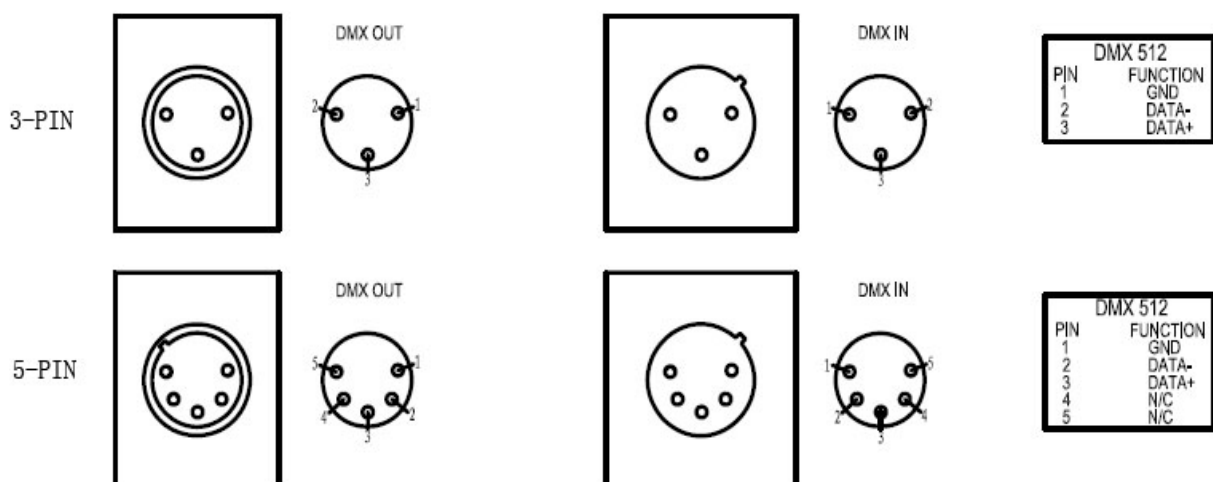
E (earth) =yellow/green

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.

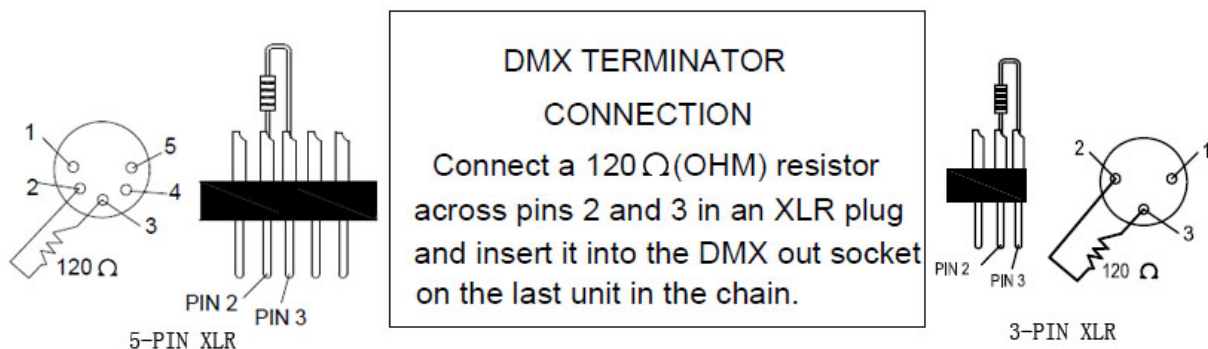
Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way. The XLED 590 accepts digital control signals in protocol DMX512 (1990).

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.

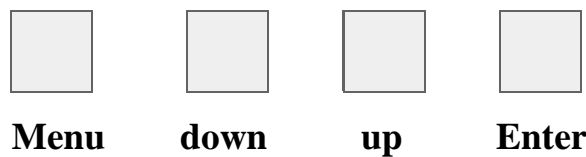
### DMX Terminator:

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:



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.

## Menu Function Description:

No.	Display	Function
1	DMX-ADR	DMX address (1–255)
2	CHANNEL-MODE	10/16/43 channel choose
3	SLAVE-MODE	Master-Slave1 - Slave2
4	SHOW-MODE	Show1-Show4
5	SOUND-STATE	Sound model (ON/OFF)
6	SOUND-SENSE	Sound sense (0-100)
7	BLACK OUT	Standby switch (ON/OFF)
8	BLACK LIGHT	Display (ON/OFF)
9	PAN INVERSE	ON/OFF
10	TILT1 INVERSE	ON/OFF
11	TILT2 INVERSE	ON/OFF
12	TILT3 INVERSE	ON/OFF
13	AUTO TEST	Auto test
14	FIXTURE HOURS	Work hours
15	SOFTWARE VERSION	Ver1.0-Boot1.0
16	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
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:

10-CH	43-CH	16-CH	Function	Value
1	1	1	Pan Roll	000-015 No effect 016-133 Left roll fast to slow 134-138 Roll stop 139-255 Right roll fast to slow
2	2	2	Pan movement	000-255 Tilt movement 0° - 540°
3	3	3	Tilt1 movement	000-255 Tilt movement 60° - 150°
4	4	4	Tilt2 movement	000-255 Tilt movement 60° - 150°
5	5	5	Tilt3 movement	000-255 Tilt movement 60° - 150°
6	6	6	Master dimmer	000-255 Master dimmer 0-100%
7	7	7	Strobe	000-007 No function 008-131 Strobe, slow to fast 132-139 No function 140-181 No function 182-189 No function 190-231 No function 232-239 No function 240-247 Strobe by random 248-255 No function

8		x	Led Color	000-003 Off 004-007 Red 008-011 Green 012-015 Blue 016-019 White 020-023 Color 5 024-027 Color 6 028-031 Color 7 032-035 Color 8 036-039 Color 9 040-043 Color 10 044-047 Color 11 048-051 Color 12 052-055 Color 13 056-059 Color 14 060-063 Color 15 064-067 Color 16 068-071 Color 17 072-075 Color 18 076-079 Color 19 080-083 Color 20 084-087 Color 21 088-091 Color 22 092-095 Color 23 096-099 Color 24 100-103 Color 25 104-107 Color 26 108-111 Color 27 112-115 Color 28 116-119 Color 29 120-123 Color 30 124-127 Color 31 128-131 Color 32 132-144 Color A 145-157 Color B 158-170 Color C 171-183 Color D 184-196 Color E 197-209 Color F 210-222 Color G 223-235 Color H 236-248 Color I 249-255 Color J
9	x	x	Led Chase	000-007 Blackout 008-022 Chase 01 023-037 Chase 02 038-052 Chase 03 053-067 Chase 04 068-082 Chase 05 083-097 Chase 06 098-112 Chase 07 113-127 Chase 08 128-142 Chase 09 143-157 Chase 10 158-172 Chase 11 173-187 Chase 12 188-202 Chase 13



				203-217 Chase 14 218-232 Chase 15 233-247 Chase 16 248-255 Full On
10	x	x	Led Chase Speed	Speed Slow to Fast
x	x	8	Led 1 Color	000-003 Off 004-007 Red 012-019 Green 020-027 Blue 028-035 White 036-043 Color 5 044-051 Color 6 052-059 Color 7 060-067 Color 8 068-075 Color 9 076-083 Color 10 084-091 Color 11 092-099 Color 12 100-107 Color 13 108-115 Color 14 116-123 Color 15 124-131 Color 16 132-139 Color 17 140-147 Color 18 148-155 Color 19 156-163 Color 20 164-171 Color 21 172-179 Color 22 180-187 Color 23 188-195 Color 24 196-203 Color 25 204-211 Color 26 212-219 Color 27 220-227 Color 28 228-235 Color 29 236-243 Color 31 244-251 Color 32 252-255 Color 33
x		9	Led 2 Color	Same as above
x		10	Led 3 Color	Same as above
x		11	Led 4 Color	Same as above
		12	Led 5 Color	Same as above
		13	Led 6 Color	Same as above
		14	Led 7 Color	Same as above
		15	Led 8 Color	Same as above
		16	Led9 Color	Same as above
	8		Led 1 Red	000-255 Dimmer 0-100%
	9		Led 1 Green	000-255 Dimmer 0-100%
	10		Led 1 Blue	000-255 Dimmer 0-100%
	11		Led 1 White	000-255 Dimmer 0-100%
	12		Led 2 Red	000-255 Dimmer 0-100%
	13		Led 2 Green	000-255 Dimmer 0-100%
	14		Led 2 Blue	000-255 Dimmer 0-100%
	15		Led 2 White	000-255 Dimmer 0-100%
	16		Led 3 Red	000-255 Dimmer 0-100%
	17		Led 3 Green	000-255 Dimmer 0-100%

	18		Led 3 Blue	000-255 Dimmer 0-100%
	19		Led 3 White	000-255 Dimmer 0-100%
	20		Led 4 Red	000-255 Dimmer 0-100%
	21		Led 4 Green	000-255 Dimmer 0-100%
	22		Led 4 Blue	000-255 Dimmer 0-100%
	23		Led 4 White	000-255 Dimmer 0-100%
	24		Led 5 Red	000-255 Dimmer 0-100%
	25		Led 5 Green	000-255 Dimmer 0-100%
	26		Led 5 Blue	000-255 Dimmer 0-100%
	27		Led 5 White	000-255 Dimmer 0-100%
	28		Led 6 Red	000-255 Dimmer 0-100%
	29		Led 6 Green	000-255 Dimmer 0-100%
	30		Led 6 Blue	000-255 Dimmer 0-100%
	31		Led 6 White	000-255 Dimmer 0-100%
	32		Led 7 Red	000-255 Dimmer 0-100%
	33		Led 7 Green	000-255 Dimmer 0-100%
	34		Led 7 Blue	000-255 Dimmer 0-100%
	35		Led 7 White	000-255 Dimmer 0-100%
	36		Led 8 Red	000-255 Dimmer 0-100%
	37		Led 8 Green	000-255 Dimmer 0-100%
	38		Led 8 Blue	000-255 Dimmer 0-100%
	39		Led 8 White	000-255 Dimmer 0-100%
	40		Led 9 Red	000-255 Dimmer 0-100%
	41		Led 9 Green	000-255 Dimmer 0-100%
	42		Led 9 Blue	000-255 Dimmer 0-100%
	43		Led 9 White	000-255 Dimmer 0-100%

## Technical Parameters:

**Voltage:** AC100V-240V; 50/60Hz

**Power Consumption:** 140W (220V)

**LED Bulbs:** 10W\*9 LEDs 4IN1 CREE LED

**LED Current:** 700mA

**LED Lifetime:** 50000Hours

**Adjusts the light:** 0-100 electron adjusts the light

**Strobe:** 1-25/second high speed strobe

**Pan Movement:** Endless rotation

**Tilt Movement:** 180°

**Beam Angle:** 2°

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

**DMX Channel:** 10/16/43CH

**Control Panel:** LCD display panel

**IP Grade:** IP33

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

**Net weight:**9KG

**Gross Weight:** 11.8 kg

**Package Size:**56 x 49x 27cm