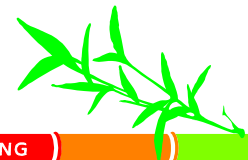




## SA052

### 575W Moving Head Light User's Manual

Thank you for choosing our product, please carefully read this manual and operate it obey the specification in order to make sure you can correct and safety installing、operating and maintaining it; We will not take any responsibility for the damage and body injury which caused by the abnormal operation.



- 10.The light was attached with a high voltage lamp ( but attach or not is selectable ) , please never touch it by hand as it's very hot during work. Please read the Manual carefully when you are replacing new lamp. and the lamp must be replaced immediately when it's damaged or transformed by overheat. You must drive tight the screws when lamp was replaced.
- 11.Please never use the power cable which was damaged the insulation cover, meanwhile, never put the power cable on any other wire. Please pull out the power cable by handle the plug when light is stop working or cleaning, never pull out it roughly or handle the wire directly.
- 12.The light with safety cable hole, please take the attached safety cable go through the hole as a supporting hanging basic on safety consideration.
13. The light was used HMI lamp, you must restart the light by a cooling around 15minutes after power off. Frequently ON and OFF will reduce the work life of the light and lamp; regular operation will prolong the work life of light and lamp.
- 14.Please don't operate the light when the lamp haven't be installed.
- 15.The light doesn't include any spare parts for repair, please check if all the parts are well installed and screws are drove tightly before operating. It's prohibited to use the light when the cover is opened.

**Notice: Please make sure it's power off before any installation、repair and clean!**

## Introduction

### ●Features

- Channels: 14 DMX channels
- Pan、Tilt: Pan 450° Tilt 270°
- Color Wheel: 1 color wheel.7 colors + white with rainbow effect, with semi-color switch and high speed rainbow effect
- Gobo Wheel : 1 auto-rotation Gobo wheel, with two directions speed adjustment stream effect .
- Dimmer: Double patches dimming, flash 1-10/s, speed adjustable.
- Running Mode: Standard DMX512 Control Mode
- Additional Function: Pan、Tilt with reverse rotation function.  
Pan、Tilt rotation with fine function  
Pan、Tilt rotation and speed adjustment channel remote reset function.
- Appearance: High intensity heat resistant plastic cover, streamline design.
- Work Environment: Indoor, -20°C ~ 40°C
- Protection Grade: IP20

## Technology Parameter

- Voltage: AC 200-240V,50Hz ( AC100-127V,60Hz selectable )
- Power: 800W
- Outline Size: 38×47×48cm  
Packing Size: 56×50×59cm
- N/W: 26.7Kg  
G/W: 32.2Kg
- Lamp: HMI 575W,double ends
- Color temperature : 6000K
- Lamp life: 750H

	64~79 80~95 96~111 112~127 128~255	Gobo 4 Gobo 5 Gobo 6 Gobo 7 steam effect from slow to fast
7、Gobo Auto Rotation	0~7 8~119 120~231 232~239 240~247 248~255	Invalid Gobo clockwise rotating from slow to fast Gobo anti-clockwise rotating from slow to fast Gobo rotation 180° Gobo rotation 360° Gobo rotation 720°
8、Focus	0~255	Focus
9、Prism	0~127 128~255	Invalid Prism
10、Prism Rotation	0~7 8~119 120~231 232~239 240~247 248~255	Invalid Prism clockwise rotating from slow to fast Prism anti-clockwise rotating from slow to fast Prism rotation 180° Prism rotation 360° Prism rotation 720°
11、Pan 16bit	0~255	Pan 16bit
12、Tilt 16bit	0~255	Tilt 16bit
13、Pan、Tilt speed adjustment	0~8 9~255	Speed adjustment via controller Adjust from fast to slow
14、reset	0~249 250~255	Invalid Reset after 5 seconds

## Maintenance

### ●Cleaning and Using Frequency of Product

The light should keep clear in order to make sure it's available to work stably. It's recommended to clean the light body and fan by each 15days. The lens and filter should be cleaned as well in order to keep the best effect. Please never use the resolvable detergent to clean the filter in order to avoid the damage to the light. The lamp should be replaced at once when it's transformed or damaged. The brightness will be reduced when the lamp has up to the rated work life, and the lamp should be replaced, as senescent lamp maybe explosive.

When the light doesn't work, please check if the fuse is burnt out or not? If it is, the same fuse should be replaced. The light had installed an overheat protection device, it will cut off the power automatically when it's overheat. When this happened, please check if the fan is working normally, fan and fan net is jammed by dust or not? Restart the light after repaired it, but the repair must be handled by professional.

### ●Complain

- The salesman will check the details of complained problem, included the item no、delivered quantity、delivery time、faulty and pictures, and the requirement of customer.
- QC and Technology department will analysis the complained problem, and give a final solution to customer.

## Faulty Disposal

Faulty Description	Solution
Light doesn't work	1. Check if the fuse is burnt out? 2. Check if the power is correctly connected?
Light is working, but not controllable by controller	1. Check if the DMX address code is correctly set? 2. Check the signal communication of the wires. 3. The lamp has been abnormal switched on when the cooling uncompleted, the ignited instant high voltage will with leakage and burnt out the IC or CPU
The light is working off and on	1. Check if the fan is working normally, and whether it's stuck by the dust? 2. The lamp should be over the work life, and it should be replaced.
The light beam is dark and with visible reduction.	1. Check if the lamp is over the work life? 2. Check if the internal optic system is clear?
Beam is imperfect (with halo)	Clean if it's with dust or grease on the lamp, lens and other parts.
Beam with serious distortion	1. Check if the lens is broken? 2. Clean the dust and grease of the lens
Lamp doesn't work	1. The lamp has been abnormal switched on when the cooling uncompleted. It should be cooled more than 15 minutes, restart the lamp when it's recovered 2. Check if the lamp is over the work life? Replace the lamp if it is.

## Preface

This Manual includes the important information of installation and operation. Please install and operate the light according to the instructions strictly. And it must be power off when open the light or before repair and replace the lamp.

A: Please read the complete contents of this manual ( please keep this manual attach with the light for any preview )

B: In order to make sure the correct and safety installation、operation and maintenance, well know and follow to the instructions of Manual is necessary.

C: We will not take any responsibility to the light damage、property loss or body injure which caused by the incorrect installation、operation and maintenance.

NOTICE: The data which inside the Manual maybe changed due to the continuous improvement, and we'll not make another notice. We will keep the right to any specification update during improvement

**Warning: if the protection screen、lens or UV screen got a visible damage, eg: scratch or chasm, it should be changed, the lamp also should be changed when damaged or transformed.**

### ●Packing Content

- |                              |                      |
|------------------------------|----------------------|
| ( accessories )              | ( Selectable )       |
| 1: Power Cable ( 1PCS )      | a: Lamp ( optional ) |
| 2: Signal Cable ( 1PCS )     | b: Bracket           |
| 3: User's Manual ( 1PCS )    | c: Clamp             |
| 4: Maintenance Card ( 1PCS ) | d: Safety Cable      |

### ●Unpacking Instruction:

Please check if all the contents are completed after unpacking? then, check if the light is undamaged? Please you can keep the original package and return to the factory if it's damaged

●**AC Power:** Check if the voltage is accordance with the rated power.

●**Safety Specifications: all the safety items of operation(includes installation) and before operating.**

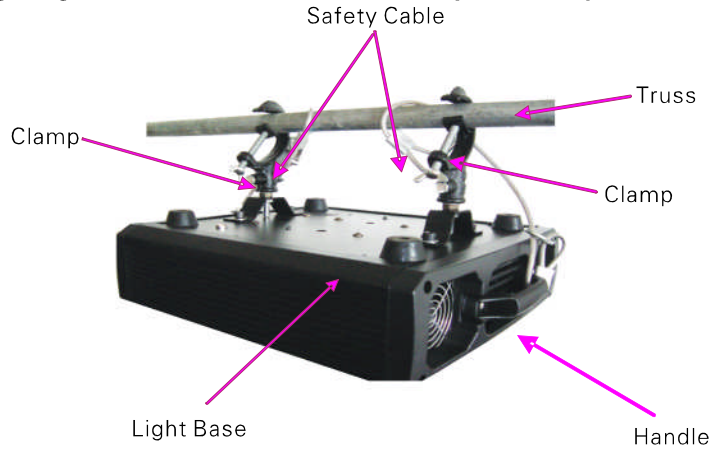
- Unpacking the carton and take out all the accessories, and open the poly package, take out the light from the carton, and put it in a certain platform for operation.
- This device for indoor use only, the protection grade is: IP20. the light must keep dry and avoid to use under the Moist、Overheat or Dusty surroundings. And keep the light far away from the water or other liquid.
- Installing of the light must keep a distance with any flammable objects by 5M at least. The distance between the light and the projected objects must be no less than 1m.
- Please never install the light on the surface of the flammable objects.
- The installation、operation and maintenance must be managed by the qualified professional, and make sure to operate it under the instruction of the Manual.
- Make sure the work environment temperature of the light maximum 40°C, and minimum -20°C
- The temperature of the light surface will up to 80°C even under the normal cooling, so never touch it by hand.
- The light was designed as electric shock protection type, and must connect to the power supply system which well earthed. Furthermore, the ground wire of the light must connect to the ground wire of the power supply system, ground wire interface of the light must well connect with the light body(or light must be well earthed)
- Please check if the voltage is accordance with the rated power before installation.

Voltage	AC220~240V	Frequency	50Hz
( Selectable )	AC100~127V	Frequency	60Hz

Please contact with the agent or professional for replacement if the power cable was damaged; The replaced power cable must be same size as original.

Caution: The ground wire(Y/G wire) must be earthed during power connection , the installation must in accordance with specified standards.

●Lighting Installation ( instruction of clamp and safety cable )



Make sure installation position is steady before fix the light. 2 sets of M10 professional clamp should be used when the light is reverse hanging, and drive the clamp into the screw hole which in the base of the light. Make sure the light will not fall from the truss, use the safety cable go through the truss and handle of the light as a supporting, to avoid the light to fall down. There is no entrance to the work area during mounting. Periodically check if the safety cable has fretted away or clamp is loosen? We will not take any responsibility which caused by the lighting fall of unsteady hanging.

**Warning**

1. The clamp is used for hanging only.
2. It's prohibited to move the light by handle the clamp, please move the light by handle.

**Operation**

●Panel Specification

1. Press button "MODE" to display the DMX512 address code, and it's available to adjust the address code by press button UP and DOWN.
2. Press button "FUNC" to set the function and it's available to select the function by press the button UP and DOWN.

●Contrast Operation of Function Code

1. Displaying after light ON : run mode: DMX512  
DMX address: 001
2. Press button "FUNC" to display : PAN reverse or TILT reverse, it's available to press button UP and DOWN to select YES or NO under the PAN reverse or TILT reverse, NO means positive rotation, YES means reverse rotation

eg:

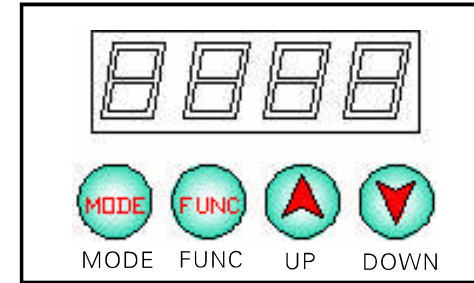
PAN reverse: YES ( PAN reverse rotation )

NO ( PAN positive rotation )

TILT reverse: YES ( TILT reverse rotation )

NO ( TILT positive rotation )

●Address Code Setting



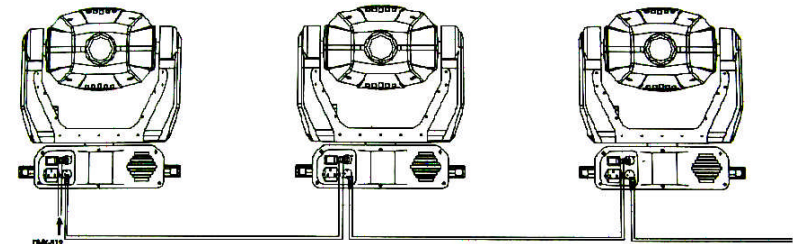
Every light should set a DMX address code in order to receive the signal when you are using the controller to control multi lights.

The address code of the present light= ( address code of last light ) + ( channel quantity of the controller ) 。 575W moving with 14 channels, if the controller is 16 channels, the DMX address code of the first light is:001, the second light shouldbe:017, the third light should be: 033,the fourth light should be:049, analogously.

**Appendix**

●Usage of the Signal Cable、Connector

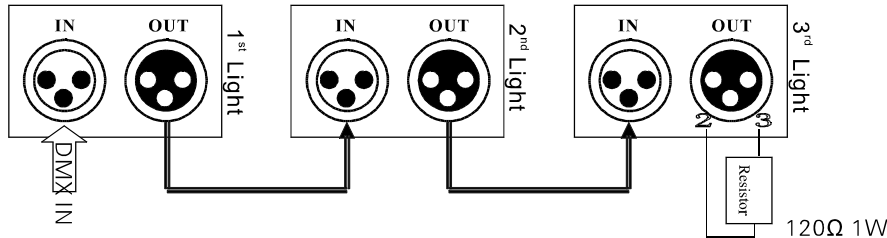
The connection between the output of master light and input of the slave light, it's available to use the 3 pins XLR cable which provided by the manufacturer. Signal cable from the DMX output of the controller to the input of the first master light, and connect to the DMX input of second slave light from the DMX output of the first master light, analogously, till connected all the slave lights, and insert the last connector to the output of the final light.



If you want to prolong the connection of signal cable, the connection of the pins between male connector and female connector should be:1 to 1; 2 to 2; 3 to 3,or it will cause communication interruption. ( Notice: the diameter of core of every cable should be 0.5mm at least, double core shelter cable should be used ) .The signal connecting must use the attached 3 pins XLR cable. Notice, all the internal lead wire of the 3 pins XLR cable should not touch to each other or connect to the connector.

The light is available to receive the DMX512 signal, connect the signal plug to the panel which marked with "IN", and connect it to the next light. then, connect to the "IN" of next light from the "OUT". The DMX signal terminal organ is recommended when the lighting signal is connecting. It will avoid to damage the signal which caused by the noise, DMX terminal organ is a XLR connector, connect with a 120Ω x 1W resistor between the pin 2 and pin 3 of the XLR connector, and connect it to the last OUTPUT socket of the final light.

See Picture:



### ● DMX Channel Form

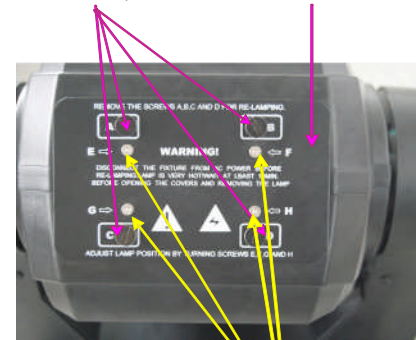
When the upper steps are done and specified lamp is installed, switch ON and check if all is normal? the lamp will be switched ON when the power is ON, the light will start the reset after a few seconds, meanwhile, the LCD screen will display DMX signal address code if the result of self-inspection is normal ( run mode:DMX512; DMX address:001; ), there is a symbol "\*" will flicker on the LCD screen when the light is well connected with the DMX signal, and it means it's under DMX control. If it's without the symbol "\*", it means that the light can't receive the DMX signal because of any faulty.

DMX Channel	DMX Value	Function
1、Flash	0 ~ 7	OFF
	8 ~ 231	Flash from slow to fast
	232 ~ 255	ON
2、Dimmer	0 ~ 255	Dimming from darkness to brightness
3、Pan	0 ~ 255	Pan 0 ~ 450°
4、Tilt	0 ~ 255	Tilt 0 ~ 270°
5、Color Wheel	0 ~ 15	White
	16 ~ 31	Color 1
	32 ~ 47	Color 2
	48 ~ 63	Color 3
	64 ~ 79	Color 4
	80 ~ 95	Color 5
	96 ~ 111	Color 6
	112 ~ 127	Color 7
128 ~ 255	Stream effect from slow to fast	
6、Gobo Wheel	0 ~ 15	White
	16 ~ 31	Gobo 1
	32 ~ 47	Gobo 2
	48 ~ 63	Gobo 3

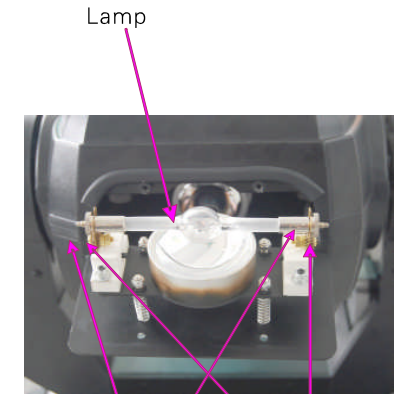
## Installation

### ● Lamp Installation/Replacement

ABCD are screws for rear panel of lamp fix the rear panel



EFGH are screws for lamp adjustment



2 lamp screws

lamp fixing copper sheet

Drive out the ABCD screws which on the rear panel of the light head, pull out the rear panel of lamp slightly, then you can replace the lamp. The screws which in the double end must be driven tightly during installation, or it may lead to short circuit which caused by loose contact, furthermore, it will reduce the lamp work life, and damage the components.

There are screws EFGH, which used for lamp adjustment, first, use the controller to open the shutter, and adjust the 3 screws which on the rear panel, till get a good effect. ( Notice: the screws are for fine adjustment only ). The lamp are high voltage lamp which with the external ignitron, so, the operation to lamp must be careful. We will not bear any responsibility which caused by the abnormal operation, and read the notices of lamp before operation is necessary.

### Notice

- 1: Please never turn ON the light when it's without lamp, or it will burn out the light**
- 2: The power must be disconnected during lamp installation.**
- 3: The lamp will up to a very high temperature when it's working, and it's with the physical feature that power supply can't be continued after off. Therefore, you must restart the light and operate it by a cooling around 15 minutes after power off. Otherwise, it will cause the high voltage discharge, short circuit, even burnt out the components which in the PCB**

### ● Connection of Power and Wire

The exclusive plug should be used between the connection of light and power, and please confirm if the rated voltage and frequency is accordance with the power supply. Every light with an independent power switch is suggested, it will be convenient for you to turn ON or OFF every light. Parameter of Input Voltage and Frequency: