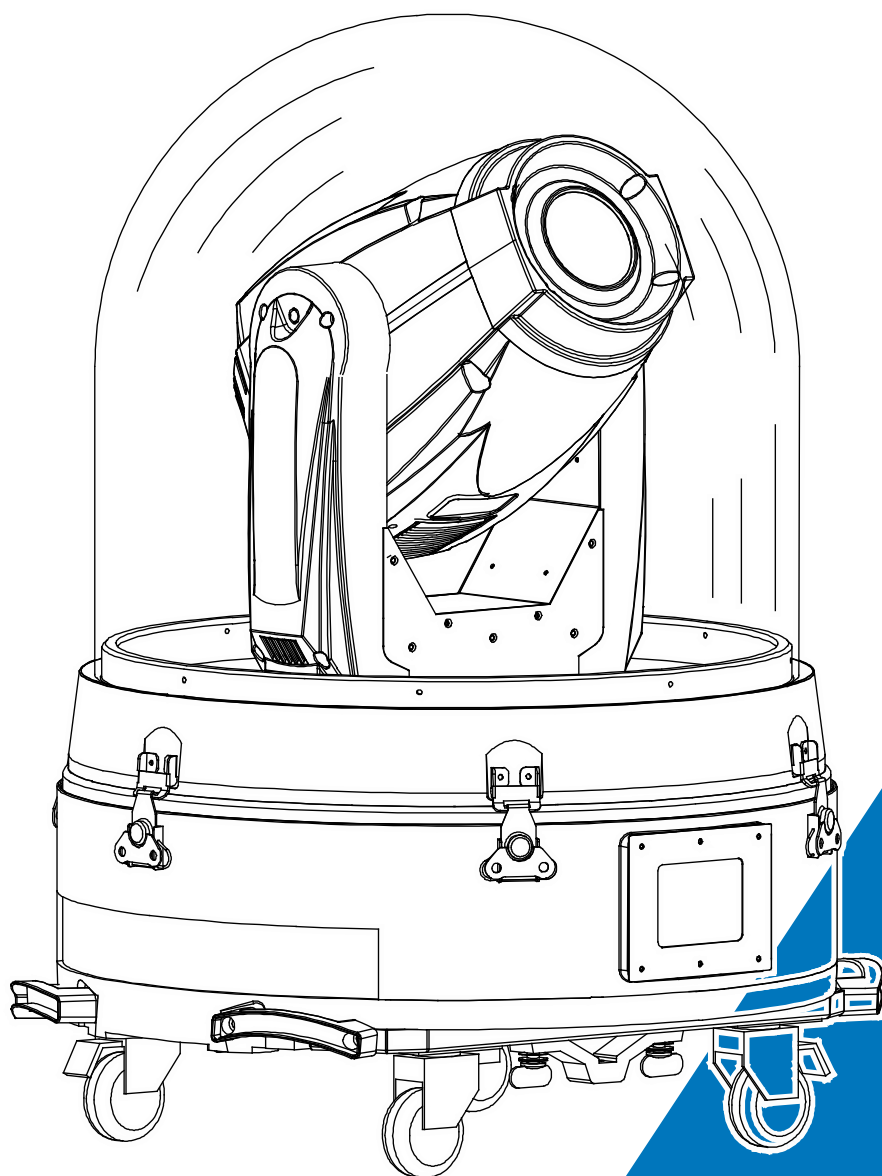




# IP CABIN

AR-01



**User Manual**

Please read the instruction carefully before use

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## 1. Safety Instructions



### WARNING

**Please read the instructions carefully which includes important information about the installation, operation and maintenance.**

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- Ensure all bolts and terminals are tight and clean.
- Never leave the fixture unattended when open
- Do not touch the heater unless you can be sure that it is cool.
- Observe all warning labels in the enclosure itself.
- Do not open the fixture in wet weather.
- Always lift from under the base.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage may cause electric shock.

### Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

## 2. Technical Specifications

### ◇ Control:

**Control Modes:** DMX, Wireless control (Optional)

**Software upgrade:** Firmware update via DMX link

### ◇ Construction:

**Display:** Blue/White LCD Touch-panel Display

**Data In/Out:** 3-pin IP rated connectors

**Power In/Out:** IP rated power connectors

**Protection rating:** IP54

◇ **Power Voltage:** AC 250V, 50Hz

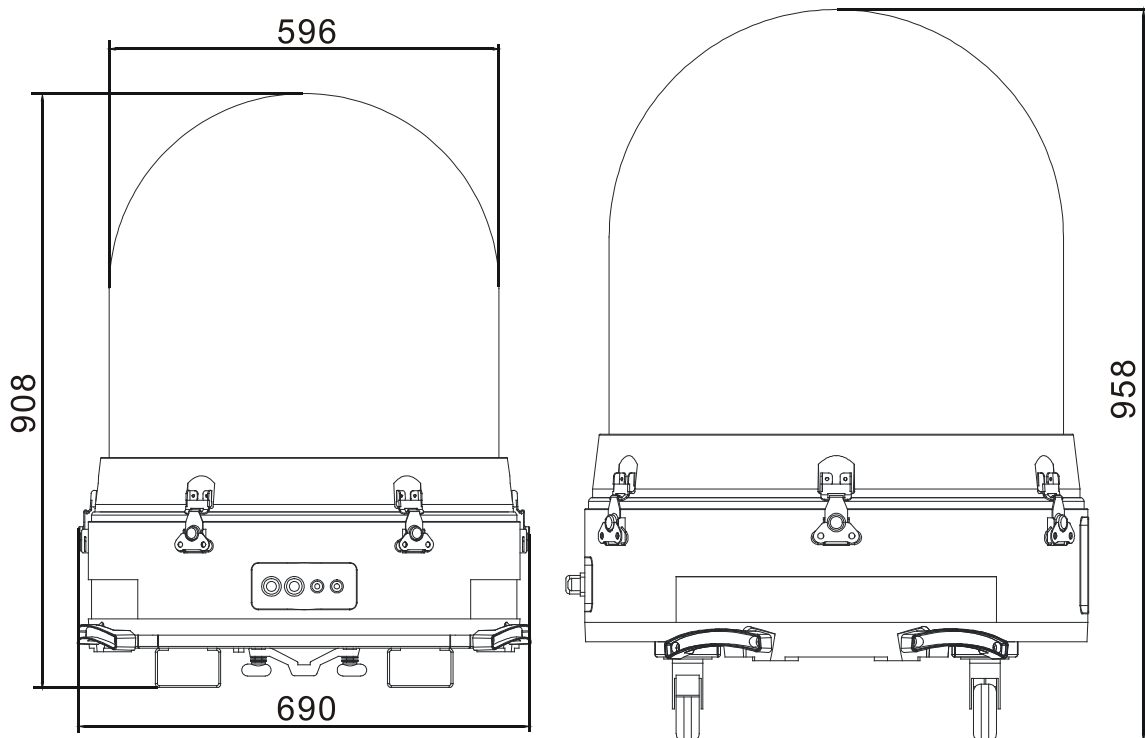
◇ **Power Consumption:** 430W

◇ **Ambient Temperature:** -0°C ~ 35 °C

◇ **Weight:** 6Kgs (Ball)

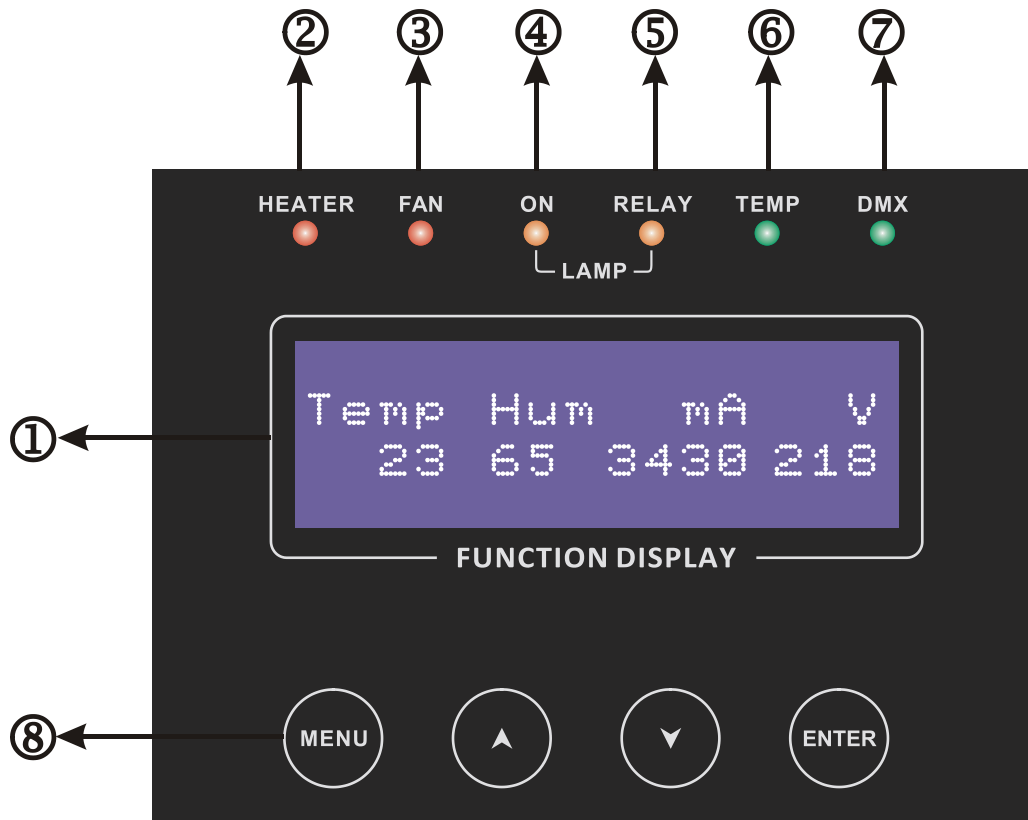
18.2Kgs (Base)

◇ **Dimension:** 690 × 690 × 958mm



### 3. Fixture Function

#### 3.1 Control Panel



#### ◆ 1. DISPLAY:

It will show the fixture's information on the display.

Temp	23 (the fixture temperature is 23 °C)
Hum	65 (the current humidity is 65%)
mA	3430 (the electronic current is 3430mA)
V	218 (the current voltage is 218V)

#### ◆ LED INDICATORS (LED 1~6):

##### ◆ 2. HEATER (LED 1) (Red):

When the fixture is in heating state, **LED 1 ON**;

##### ◆ 3. FAN (LED 2) (Red):

When the fans in the fixture works, the **LED 2 ON**;

**(Notice:** Because the fans will begin working while the fixture is connecting to power supply, So the **LED 2** may be reserved for another functions)

◆ **4. LAMP ON (LED 3) (Orange):**

When the fixture runs normally, the **LED 3** ON;

◆ **5. LAMP RELAY (LED 4) (Orange):**

When the fixture connects to unit, the **LED 4** ON;

◆ **6. TEMP (LED 5) (Green):**

When the internal current, voltage, temperature or humidity of the fixture is over its standard, the **LED 5** ON;

**Notice:** When the internal environment of fixture meets one of the following conditions, the unit in the fixture will be Lamp OFF:

- a. Input Voltage:  $> 264V$  or  $< 196V$ ;
- b. Electronic Current:  $> 6A$ ;
- c. Humidity:  $> 90\%$ ;
- d. Temperature:  $> 55^{\circ}C$ .

When all the internal environment of fixture must meet the following conditions, the unit in the fixture can be Lamp ON only:

- a. Input Voltage:  $206V \sim 255V$ ;
- b. Electronic Current:  $\leq 5A$ ;
- c. Humidity:  $\leq 80\%$ ;
- d. Temperature:  $\leq 50^{\circ}C$ .

◆ **7. DMX (LED 6) (Green):**

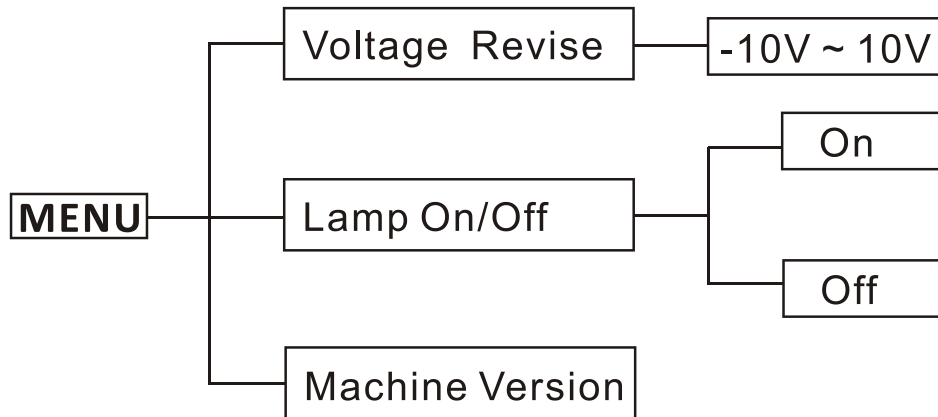
When the fixture received the DMX signal, the **LED 6** ON;

◆ **8. FUNCTION BUTTONS:**

<b>MENU</b>	To select the programming functions
<b>▲</b>	To go backward in the selected functions
<b>▼</b>	To go forward in the selected functions
<b>ENTER</b>	To confirm the selected functions

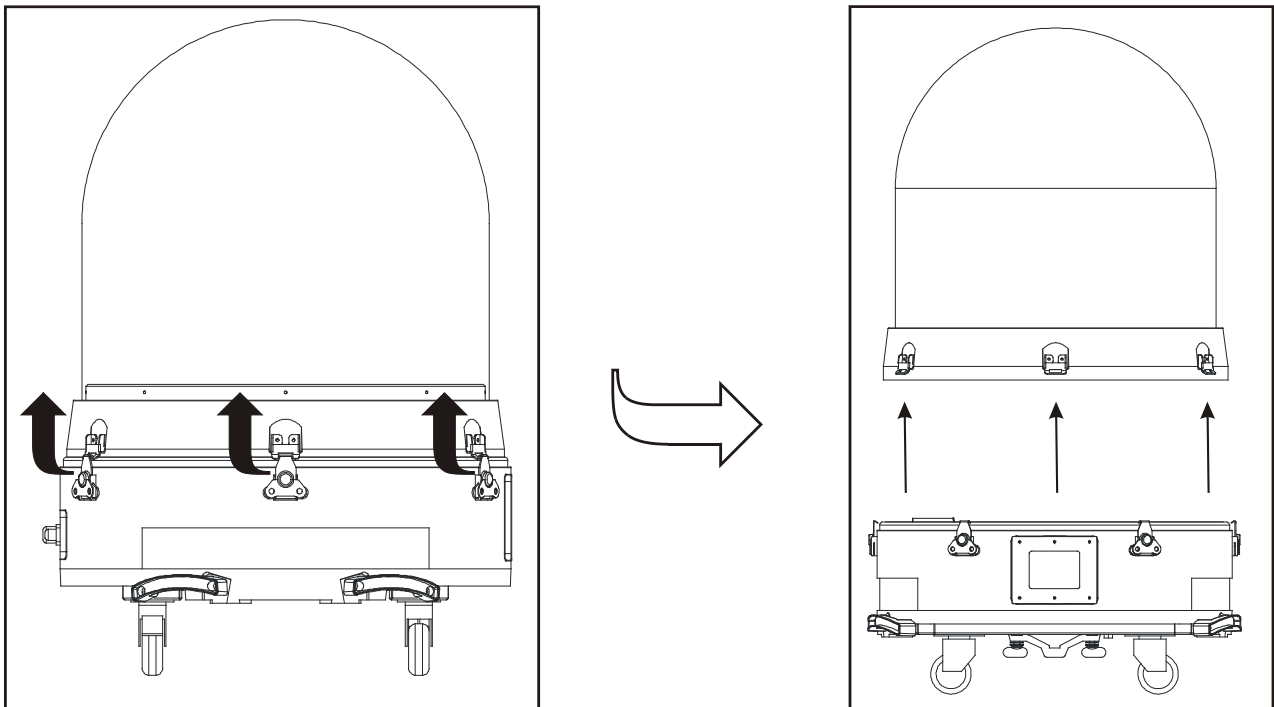
### 3.2 Main Function

Enter MENU mode, use ▲/▼ buttons select the **Voltage Revise**, **Lamp On/Off** or **Machine Version**, and press the ENTER button to confirm. Then use ▲/▼ buttons to setup the selected functions, and press the ENTER button to store.

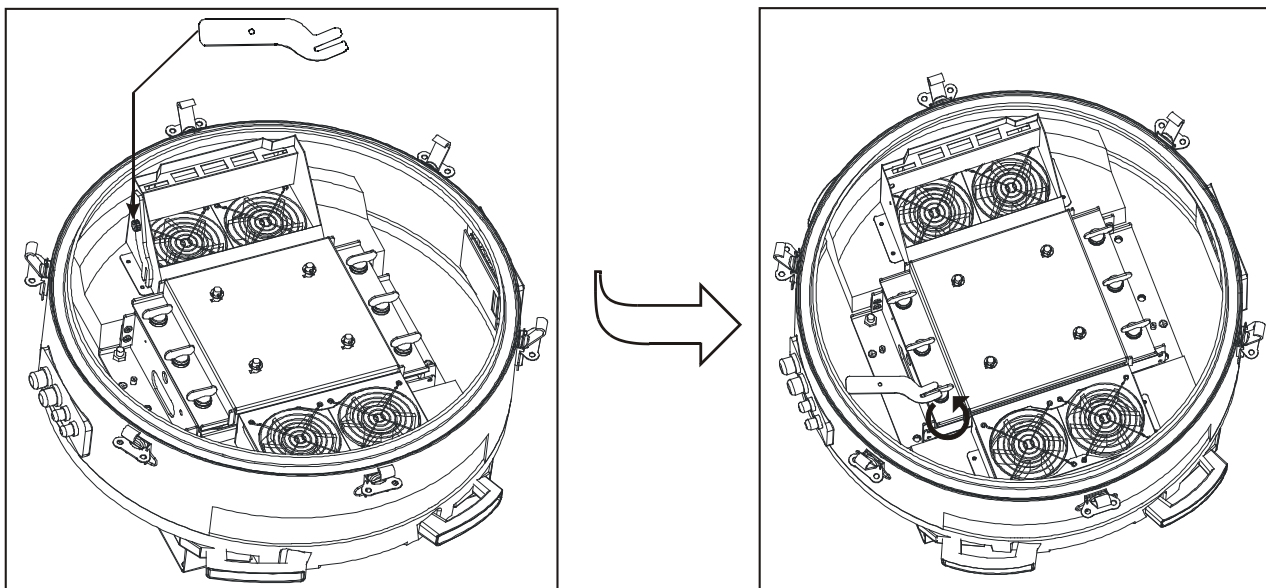


### 4. Mounting the fixture

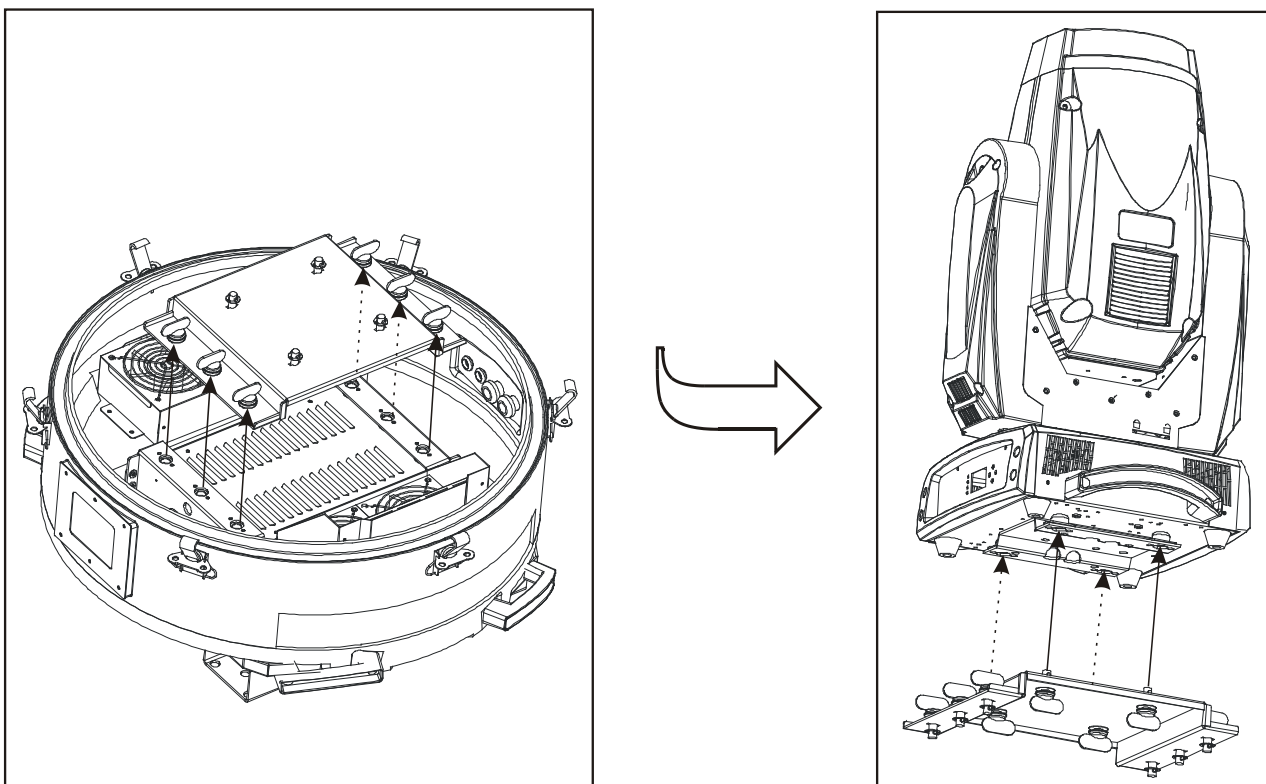
The following is the install instructions, please read it carefully for safe operations:



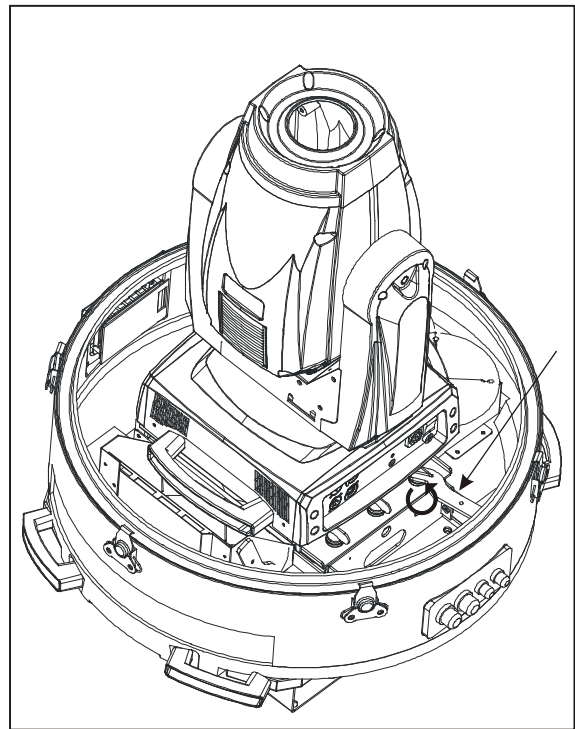
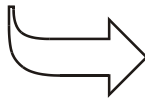
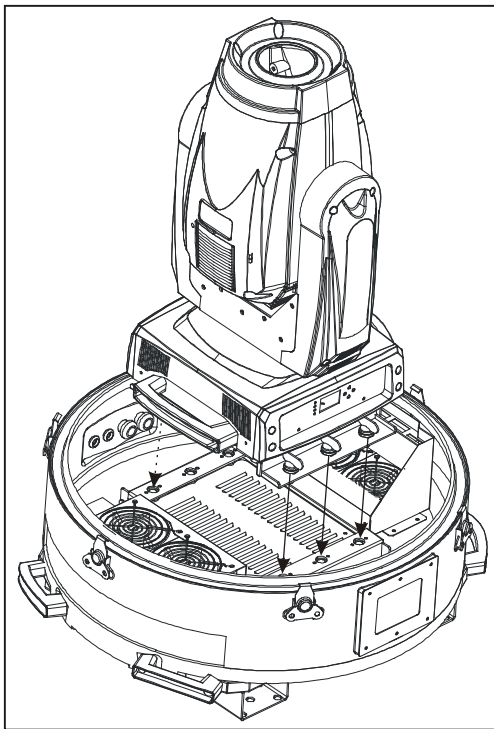
1. At first, you should loosen the 6 fast locks as the arrow direction, remove the Dome and place it in a safety location;



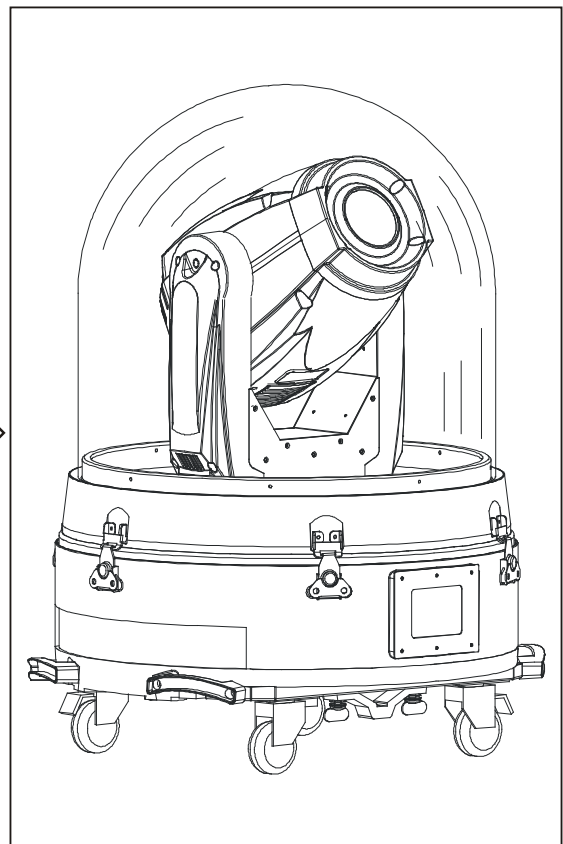
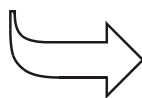
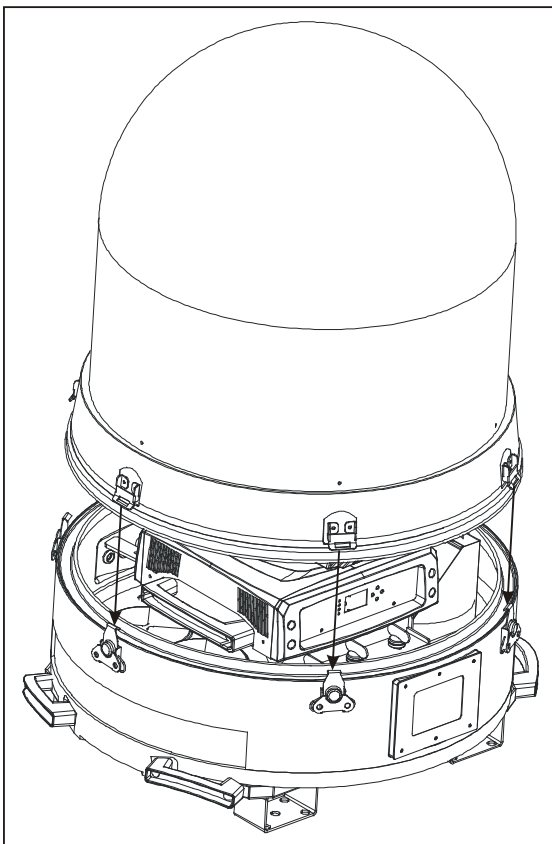
2. Secondly, please loosen the Thumb screws and take out the Fast Lock Wrench, then use it to loosen the 6 Quick Lock screws as the arrow direction, lift the Main Support Horizontal Plate from the base;



3. Now, please lock the unit on the Main Support Horizontal Plate, make sure the horizontal plate is tightly locked on the Omega clamps of the unit base;



4. Then use the Fast Lock Wrench locked the 6 Quick Lock screws;



5. Finally, please cover the Dome on the fixture, and lock the 6 fast locks tightly.

## 5. Troubleshooting

This is a guide to the general symptoms, problems, and solutions that may occur during the lifetime of your enclosure. However, it is important to remember that problems may occur within the unit itself and these must also be considered.

### A. Unit does not have power

Check power switch of unit. (Note: the following actions should be performed by a licensed electrician) If power is on, check wiring (including metering supply voltages). If LEDs on the control panel controller are lit, check the Lamp Relay LED. If it is on, meter power in receptacle. If no power is present at the receptacle, contact technical support.

In case of over-temperature, the power disconnection is an intended function of the enclosure and is for the protection of the unit, which is not meant to operate in extreme conditions. In this case, the problem will only continue until temperature drops to acceptable levels. It is possible that the air intake or exhaust has become clogged, leading to higher temperatures inside the enclosure. Make sure that these areas are clear, the filters are clean, and the fans are working properly.

### B. Unit turns on and off repeatedly

Check that vent areas and airways are clear. If so, ambient temperature may be too high (see over-temperature note above) or unit may have internal problem.

### C. Unit does not respond to DMX signal.

Make sure that unit has power. If so, check DMX wiring. If not, see above.

#### 1. Fans are not spinning.

Fan cords may have become disconnected. Check connections between fan and cord.

Fans may be obstructed. Shut off power to enclosure and check for obstructions. Turn power back on to see if fans will start spinning. If fans do not turn and display on temperature controller is lit, contact technical support. If fans do not turn display is not lit, then enclosure is not receiving power. Turn off all power and check wiring. If the wiring is correct, contact technical support.

2. Excessive debris in unit.

Filter may not be fully pushed into groove. Make sure that it is in place around the whole unit.

3. Excessive water in enclosure.

Weep (drain) holes may be clogged. Clear them.

4. Latches do not latch properly.

Closure of globe may be obstructed. Check to make sure seals are clear before replacing globe.

## **6. Fixture Cleaning and Routine Maintenance**

It is very important to perform routine maintenance on both the enclosure and the unit within.

Failure to do so may reduce lifetime for both the enclosure and the fixture.

### **Note:**

Maintenance schedules depend on location and environment. The times given here are general guidelines for you to use. It is up to you to judge whether maintenance should be done more often. We do advise doing these tasks no less often than mentioned here.

### **Safety:**

Although maintenance can be performed while the enclosure is powered, it is safe to carry it out with the power disconnected with proper lockout and tag out procedures followed.

Be aware that once the enclosure has had power applied to it, the heater will get hot and the fans will start to turn. Make sure that your hands are clear of these areas before applying power to the enclosure.

Only authorized personnel should perform maintenance on the enclosure or fixture;

Do not service the unit in the rain or other adverse weather conditions (snow, sleet, high winds, etc.).

Be aware that the globe is a large object that can be awkward to handle, especially when standing on a ladder or scaffolding.

### **Inspection Checklist: - Every Three (3) Months**

All weep (drain) holes should be clear

All vents should be free of debris

Enclosure should be free of debris both inside and out

Bolts should be tight

All safety cable should be in good condition

Lid seal should be in good condition, Check seal inside and out for gaps.

Globe should not be cracked

Fans should be moving (it will be necessary to have the power on to check this), with corresponding indicator status

Except for the last two items (concerning globe and fan), problems with any of these things can be easily remedied. Contact technical support for problems with the last two items.

### **Air Filters - Every Three (3) Months**

The air filters all around the base should be removed and cleaned on a regular basis. To remove filters, pull them directly out of their grooves. The filters can be cleaned by running water from a hose and do not require any special solution.

To reinstall, push filter back into place between the top and bottom base covers.

### **Case and Globe - As Needed**

The outside of the case and globe should be cleaned as needed. Outside inspection should give you a good idea of when this is necessary. The case should be cleaned with a wet cloth and mild detergent (if necessary). Do not use a direct spray from a hose to clean the case. The globe can be cleaned with any mild cleaner. It is also acceptable to treat globe with a product that keeps rain from adhering to its surface.

DO NOT USE hydrocarbon-based cleaners on the globe under any circumstances. They can severely damage the globe material.

### **Fixture:**

Review the manufacturer's instructions for proper maintenance of your unit. Remember, the enclosure simply protects the unit and is not a substitute for regular maintenance.





## **Declaration of Conformity**

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55103-1: 2009 ; EN55103-2: 2009; EN62471: 2008;  
EN61000-3-2: 2006 + A1:2009 + A2:2009; EN61000-3-3: 2008.

**&**

## **Harmonized Standard**

EN 60598-1:2008 + All:2009; EN 60598-2-17:1989 + A2:1991;  
EN 62471:2008; EN 62493: 2010  
Safety of household and similar electrical appliances  
Part 1: General requirements

**Innovation, Quality, Performance**