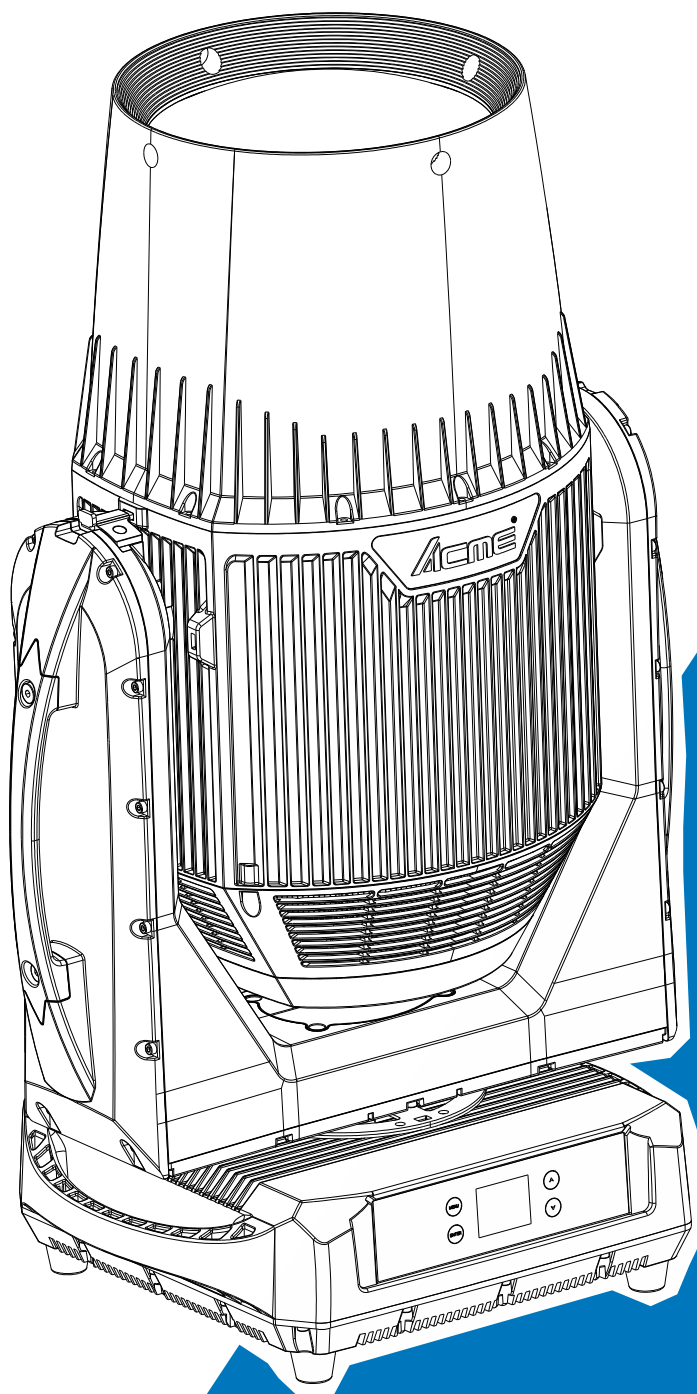


Acme®

SCORPIUS



User Manual

Please read the instruction carefully before use



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1. Safety Instructions



Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack.
- During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 75°C. DO NOT touch the housing bare-handed during its operation.



- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 15 meters.
- Disconnect mains power before lamp replacement or servicing.
- Replace lamp only with the same type.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Hot lamp explosion hazard. DO NOT open the unit within 15 minutes after switching off.
- DO replace the bulb once it is damaged, deformed or life-expired.
- Avoid direct eye exposure to the light source while the product is on.
- Never touch bulb with bare fingers, as it is very hot after using.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

Installation:

The fixture should be fixed on the clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always install a safety cable that can hold at least 12 times the weight of the fixture when installing.

DO install and operate by qualified operator. It must be installed in a place where there is out of the reach of people.



1. Consignes de sécurité



Veuillez lire attentivement les instructions qui contiennent des informations importantes sur l'installation, l'utilisation et l'entretien.

ATTENTION

Veuillez conserver ce guide de l'utilisateur pour une consultation future. Si vous vendez l'appareil à un autre utilisateur, assurez-vous qu'il reçoive également ce manuel d'instructions.

Important:

Les dommages causés par le non-respect de ce manuel d'utilisation ne sont pas couverts par la garantie. Le revendeur n'acceptera aucune responsabilité pour les défauts ou problèmes qui en résultent.

- Déballez et vérifiez soigneusement qu'il n'y a pas de dommages dus au transport avant d'utiliser l'appareil.
- Ce produit convient aux endroits humides. Ne pas immerger dans l'eau.
- L'installation et la mise en fonctionnement doit être effectué par un opérateur qualifié.
- NE PAS permettre aux enfants d'utiliser l'appareil.
- Utilisez une chaîne de sécurité lors de la fixation de l'unité. Manipulez l'appareil en portant sa base au lieu de la tête uniquement.
- L'unité doit être installée dans un endroit avec une ventilation adéquate, à au moins 50cm des surfaces adjacentes.
- Assurez-vous qu'aucune fente d'aération du luminaire n'est obstruée, sinon il risque de surchauffer.
- Avant toute utilisation, assurez-vous que vous connectez ce luminaire à la tension appropriée conformément aux spécifications que vous trouverez dans ce manuel ou sur l'étiquette des spécifications collée sur la base du luminaire.
- Il est important de relier le fil jaune/vert à la terre afin d'éviter tout choc électrique.
- Température ambiante minimale TA: 0. Température ambiante maximale TA: 40. N'utilisez pas ce luminaire à des températures inférieures ou supérieures.
- NE PAS connecter le luminaire à un pack de gradateurs.
- Lors de la première mise en service de l'appareil, de la fumée ou une odeur peut se dégager. Il s'agit d'un processus normal et ne signifie pas nécessairement que l'appareil est défectueux, l'effet diminuera progressivement dans les 15 minutes.



- Gardez les matériaux inflammables à l'écart du luminaire pendant le fonctionnement pour éviter tout risque d'incendie.
- Assurez-vous que le cordon d'alimentation n'est pas pincé ou endommagé; remplacez-le immédiatement s'il est endommagé.
- La température de surface de l'unité peut atteindre 75°C. NE PAS toucher les capots à mains nues pendant son fonctionnement.
- Évitez que des liquides inflammables, de l'eau ou du métal ne pénètrent dans l'appareil. Si cela se produit, coupez immédiatement l'alimentation secteur.
- NE PAS utiliser le luminaire dans un environnement sale ou poussiéreux. Cette appareil doit être nettoyer régulièrement.
- NE touchez AUCUN file pendant le fonctionnement car il pourrait y avoir un risque de choc électrique.
- Évitez l'enchevêtrement du cordon d'alimentation avec d'autres fils.
- La distance minimale de projection sur des objets ou sur des surfaces doit être supérieure à 15 mètres.
- En cas de problème de fonctionnement grave, arrêtez immédiatement d'utiliser l'appareil.
- N'allumez et n'éteignez jamais ce luminaire à maintes reprises.
- Le boîtier, les lentilles ou le filtre ultraviolet doivent être remplacés s'ils sont visiblement endommagés.
- NE PAS ouvrir le boîtier car il ne contient aucune pièce réparable par l'utilisateur.
- NE PAS mettre ce luminaire en fonctionnement s'il est endommagé. N'effectuez pas de réparations vous-même. Les réparations ne doivent être effectuées par des personnes non qualifiées, cela peut entraîner des dommages ou des dysfonctionnements. Veuillez contacter le centre d'assistance technique agréé le plus proche si nécessaire.
- Débranchez ce produit du secteur avant de procéder à l'entretien.
- Utiliser l'emballage d'origine si l'appareil doit être transporté.
- Risque d'explosion de la lampe br?lante : N'ouvrez pas l'appareil dans les 15 minutes après l'avoir éteint.
- Remplacez l'ampoule une fois qu'elle est endommagée, déformée ou que sa durée de vie a expiré.
- Évitez une exposition directe des yeux à la source lumineuse lorsque le produit est allumé.
- Ne touchez jamais l'ampoule avec à mains nus, car elle reste très chaude après utilisation.



- N'utilisez PAS ce produit si vous constatez des dommages sur le boîtier, les blindages ou les câbles. Faites remplacer immédiatement les pièces endommagées par un technicien agréé.

Installation:

Le luminaire doit être fixé à l'aide de crochets. Assurez-vous toujours que l'appareil est fermement fixé pour éviter les vibrations et le glissement pendant le fonctionnement. Assurez-vous que la structure ou la zone d'installation peut supporter au moins 10 fois le poids de cet appareil sans aucune déformation. Installez toujours un câble de sécurité pouvant supporter au moins 12 fois le poids du luminaire lors de l'installation.

L'installation et l'utilisation de ce luminaire doit être effectué par un opérateur qualifié. Il doit être installé dans un endroit hors de portée des personnes.



2. Technical Specifications

Power Voltage:

100-240V~ 50/60Hz

Power Consumption:

780W

Light Source:

PHILIPS MSD Platinum 500L Flex

Color Temperature:

7800K

Beam Angle:

1.8°

Movement:

Pan: 540°

Tilt: 270°

Pan/Tilt Resolution: 16 bit

Fixation: Pan/Tilt lock

Dimmer/Shutter:

Smooth dimming from 0-100%; outstanding strobe effect with variable speeds

Color Wheel:

1 x color wheel with 14 colors plus open, and rainbow effect

Gobo Wheel:

1 x static gobo wheel with 18 gobos plus open

1 x rotating gobo wheel with 7 gobos plus open

Control:

DMX Channel: 23/17 Channels

Control Mode: DMX512, RDM, Wireless (optional)

Firmware Upgrade via DMX link

Construction:

Display: LCD display

Data In/Out: 5-pin IP XLR (3-pin XLR cable is optional)

Power In/Out: Waterproof Power Connector in/out



Protection Rating: IP66

Features:

Motorized focus

Linear CMY color mixing

Variable CTO

2 x prisms: 8-facet prism + 6-facet linear prism, rotatable in both directions and overlayable

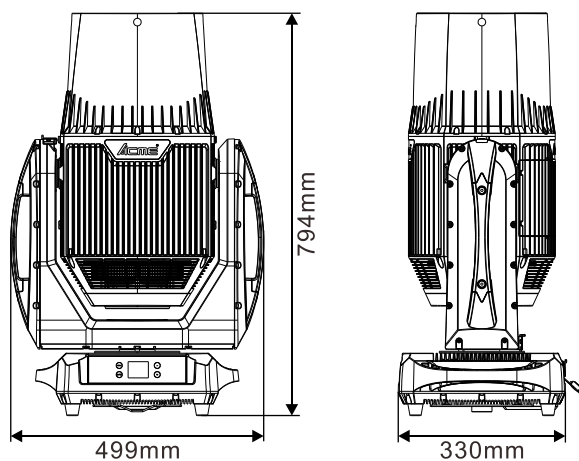
Independent frost effect

IP66 protection rotating, can be used outdoors all year round

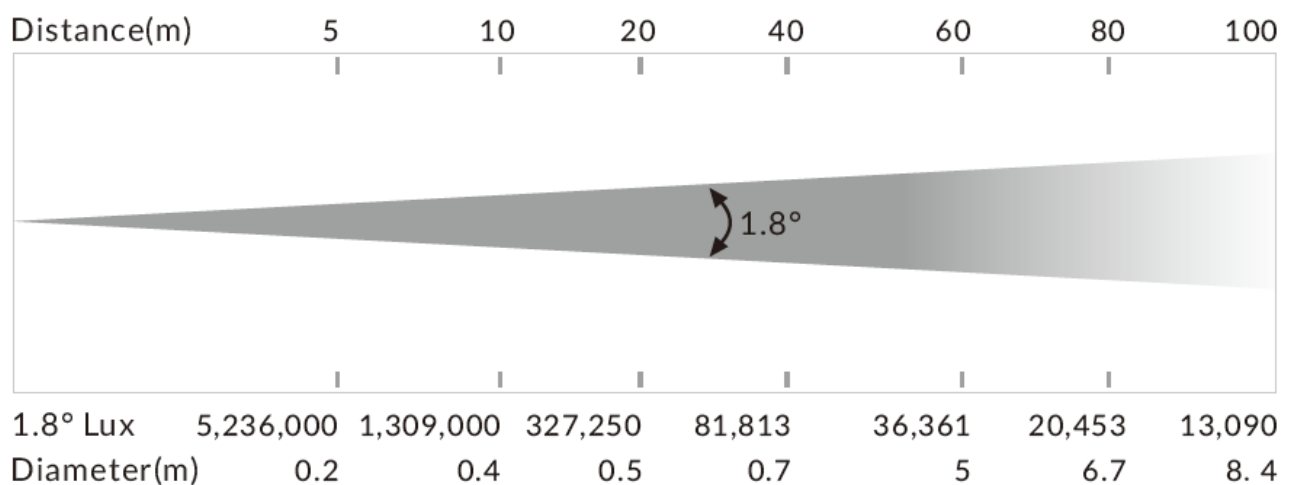
Dimension/Weight:

499x330x794mm, 42.5kgs

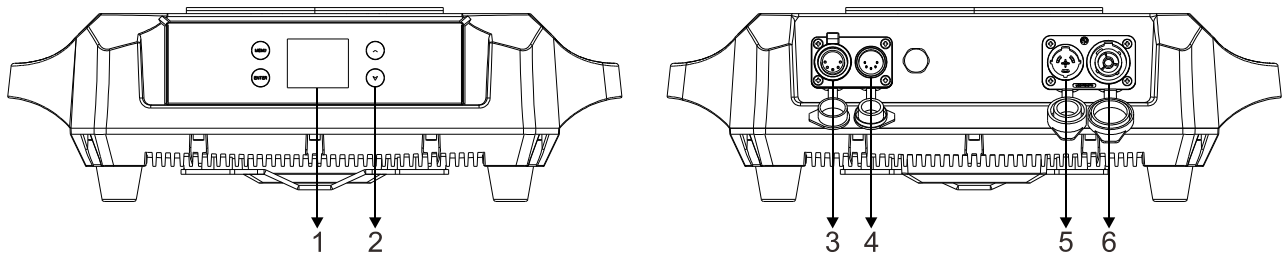
19.6"x13"x31.3" in, 93.7lbs



Photometric Diagram:



3. Control Panel



1. DISPLAY: To show the various menus and the selected function

2. Button:

MENU	To enter into move backward or leave the menu
▲ UP	To go backward to move up in the menu
▼ DOWN	To go forward to move down in the menu
ENTER	To perform the desired functions

3. DMX OUT:

For DMX512 operation, use 5-pin XLR cable to link the next units (3-pin XLR cable is optional)

4. DMX IN:

For DMX512 link, use 5-pin XLR cable to link the unit and controller (3-pin XLR cable is optional)

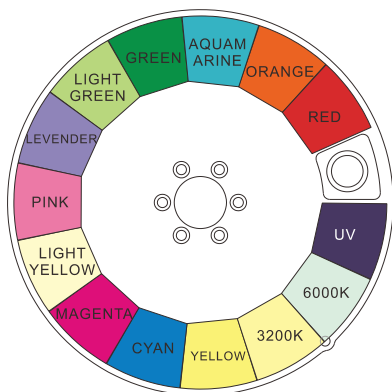
5. POWERCON IN: To connect to supply power

6. POWERCON OUT: To connect to the next fixture

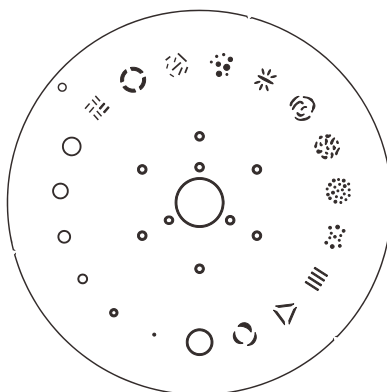


4. Effect Wheels and Lamp

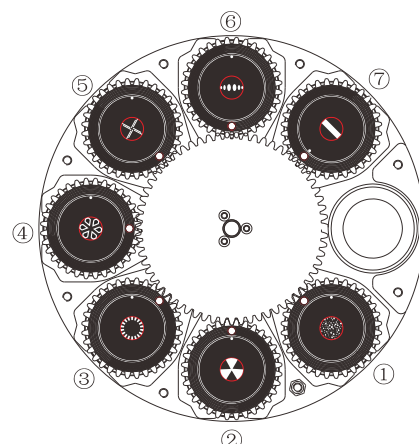
4.1 Effect Wheels



COLOR WHEEL



STATIC GOBO WHEEL



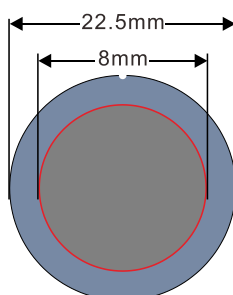
ROTATING GOBO WHEEL

DANGER!

**Install the rotating gobos with the device switched off only.
Unplug from mains before changing the rotating gobos!**

CAUTION: *Never unscrew the screws of the rotating gobo as the ball bearing will otherwise be opened!*

R-Gobos	Part Number
① Gobo1	3011001132
② Gobo2	3011001136
③ Gobo3	3011001137
④ Gobo4	3011001131
⑤ Gobo5	3011001135
⑥ Gobo6	3011001133
⑦ Gobo7	3011001134



Rotating Gobos
Dimensions



4.2 Light Source

PHILIPS MSD Platinum 500L Flex

- Because of its high internal pressure, there might be a risk that the Discharge lamp would explode during operation. The lamp emits intense UV radiation which is harmful to the eyes and skin. The high luminance of the arc can cause severe damage to the retina if you take a close look at the lamp.
- To protect the lamp, always turn off the lamp first (via control panel or DMX controller) and let the unit run at least five minutes to cool down before switching off the mains supply. Never handle the lamp or luminary when it is hot.
- Do not touch the bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe it with a lint free cloth before installation.
- The lamp generates UV radiation. Never operate the lamp without appropriate shielding.
- When lighting up, the lamp operates at high pressure and there is a slight risk of arc tube rupture. The risk increases with age, temperature and improper handling of the lamp. Do not use the lamp longer than its lifespan.
- Make sure the lamp is located in the center of the reflector for the best projection.

4.3 Change The Lamp

Attention: The entire light path and lens of the luminaire must be thoroughly cleaned before changing the bulb.

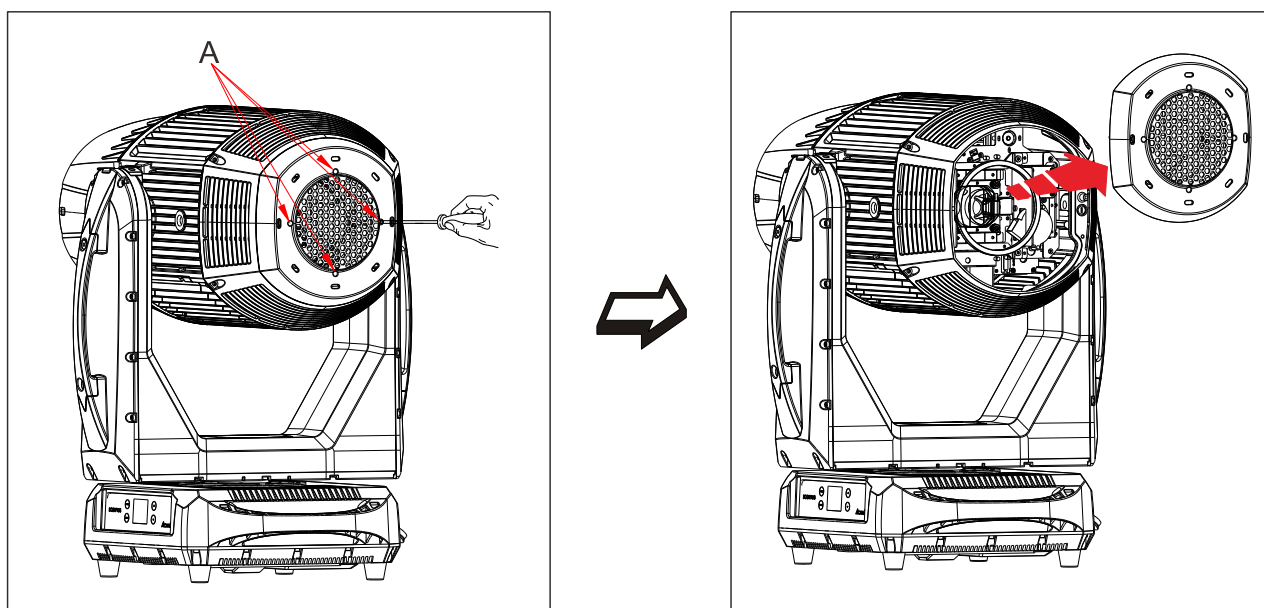
Do not use this lamp more than 4000 hours, using the lamp any longer than its set life could seriously damage your unit. Periodically checking the lamp running time, when the lamp reaches the 4000 hour mark, or close to it, we strongly suggest you switch the lamp out. Reset the lamp time after you have replaced the lamp.

To replace the lamp:

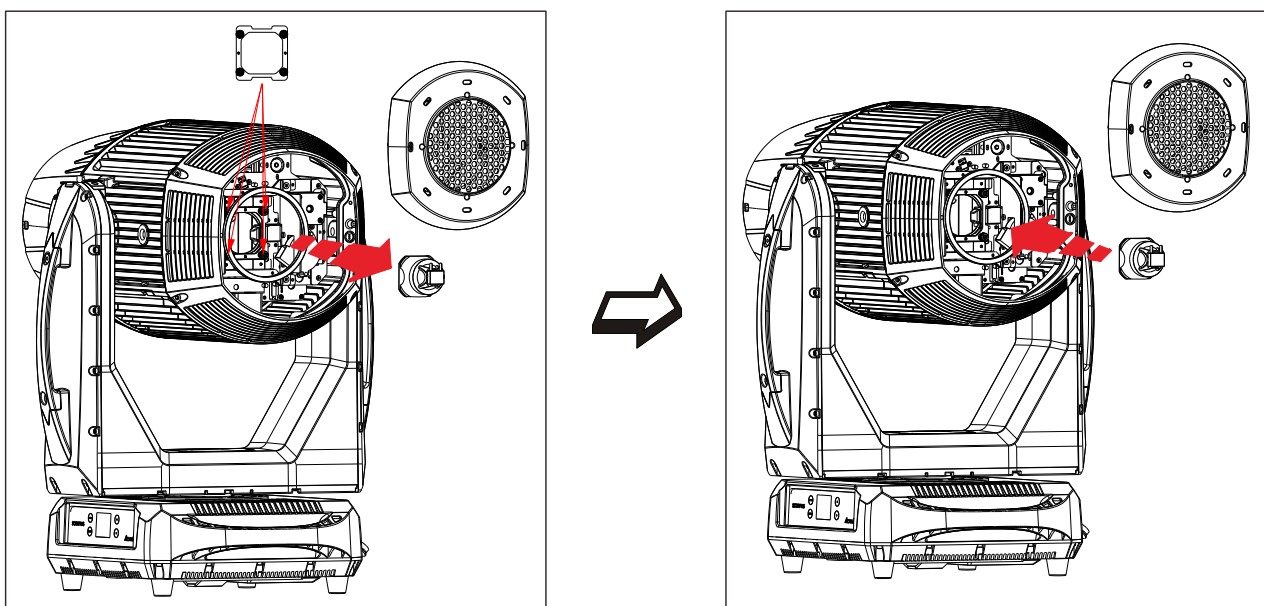
1. Ensure that the fixture is detached from power and has cooled down completely. It is a good idea to allow the fixture to run for 10 minutes after the lamp has been turned off, so that the cooling fans have time to work.



2. Loosen the screws on the head of the fixture and open the fixture head covers.



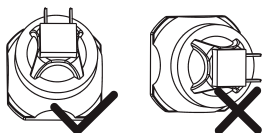
3. Loosen the screws of the quick lock plate that holds the lamp in place. Unplug the leads of the lamp and lift the lamp out of its recess, disconnect the lamp and connect a new lamp that must be the same type with the old one. And then place the new lamp into the lamp recess.



Finally reinstall the head cover, fastening it securely before reapplying power.

Warning:

The installing direction of lamp:



4.4 Lamp Replacement Warning

- When the lamp reaches 300 hours before its service time, the display will flash the message “Replace Lamp Soon” for up to 5 minutes. During this period, the fixture will still work normally.
- When the lamp reaches its service time, the display will flash the message “Replace Lamp Now” for up to 10 minutes. After 10 minutes, the fixture will return to normal operation.
- When the lamp is continuously used overtime, the display will flash the message “Lamp Timeout Use, Replace Lamp Now” for up to 10 minutes. After 10 minutes, the fixture will return to normal operation.

Attention: Damages caused by the failure to replace the bulb in time are not subject to warranty.

5. How To Set The Unit

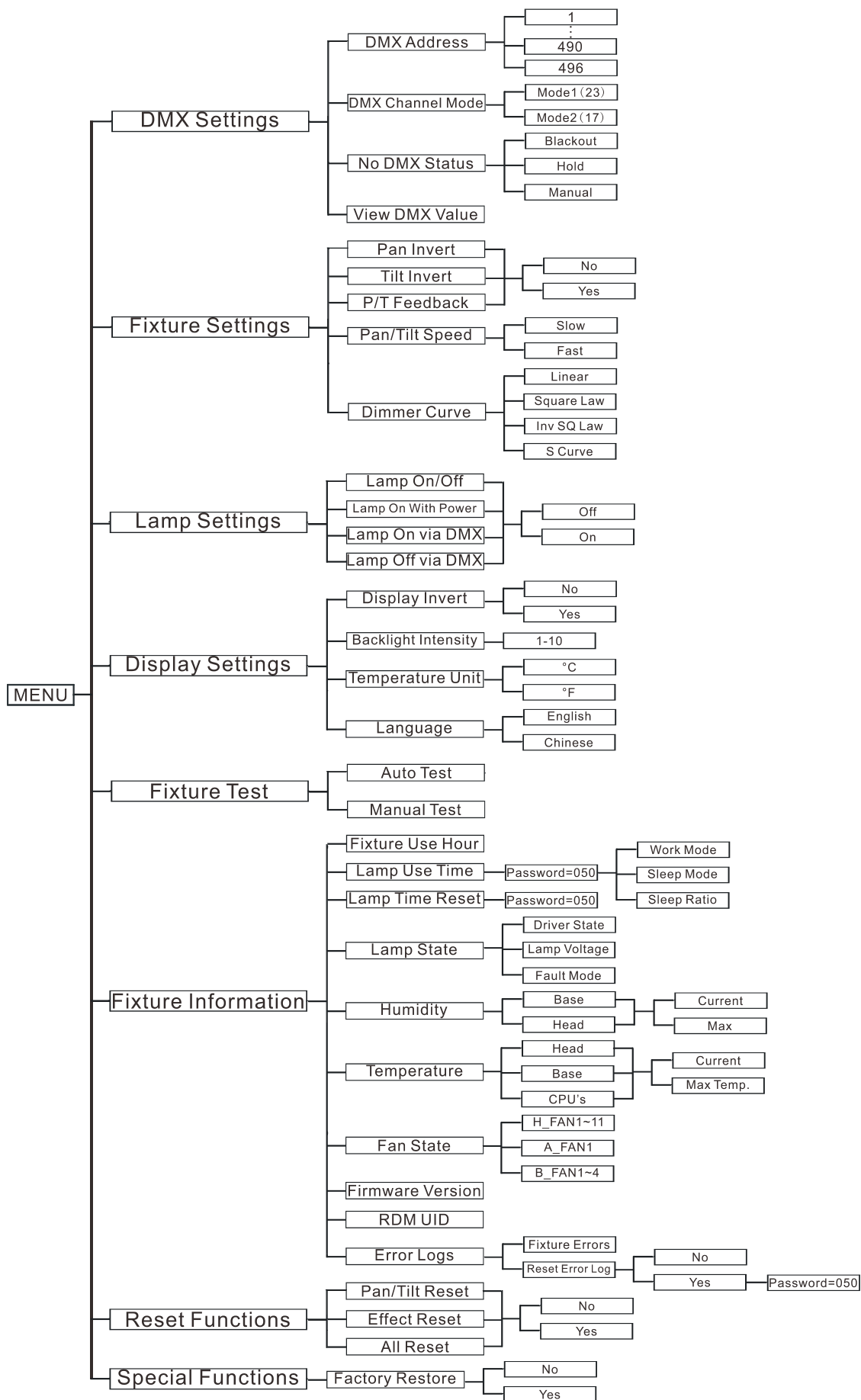
5.1 Main Function

Turn on the unit, press the MENU button into menu mode, and press the UP/DOWN button until the required function is shown on the monitor. Select the function by pressing the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press the MENU button or let the unit idle 30 seconds to exit menu mode.

The screen will be automatically locked if there is no operation for a long time, and can be unlocked by long-pressing the MENU button.

The main functions are shown below:





DMX Settings

To select **DMX Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address**, **DMX Channel Mode**, **No DMX Status** or **View DMX Value**.

DMX Address

To select **DMX Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the address from **001** to **490/496**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

DMX Channel Mode

To select **DMX Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Mode1 (23)** or **Mode2 (17)**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

No DMX Status

To select **No DMX Status**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Blackout**(fixture blacks out if DMX signal stops), **Hold**(fixture continues to obey the last command it received Via DMX if DMX signal stops) or **Manual**(the fixture will automatically read the DMX value in the “Manual Test” menu for operation after selecting this mode), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

View DMX Value

To select **View DMX Value**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to view the DMX channel value. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Fixture Settings

To select **Fixture Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan Invert**, **Tilt Invert**, **P/T Feedback**, **Pan/Tilt Speed** or **Dimmer Curve**.

Pan Invert

To select **Pan Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (pan invert), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.



Tilt Invert

To select **Tilt Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (tilt invert), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

P/T Feedback

To select **P/T Feedback**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (Pan or tilt's position will not feedback while out of step) or **Yes** (Feedback while pan/tilt out of step), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

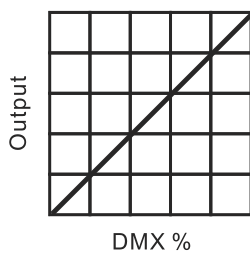
Pan/Tilt Speed

To select **Pan/Tilt Speed**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Slow** or **Fast**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

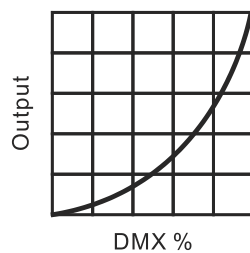
Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to confirm. Use the **DOWN/UP** button to select **Linear**, **Square Law**, **Inv SQ Law** or **S Curve**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

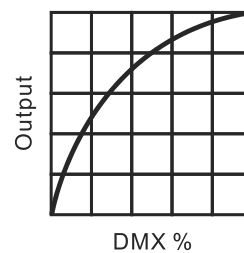
Dimmer Modes



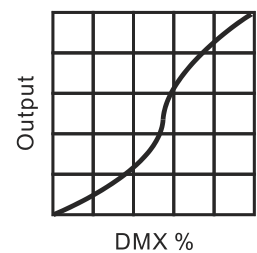
Optically Linear



Square Law



Inverse Square Law



S-curve

Optically Linear: The increase in light intensity appears to be linear as DMX value is increased.

Square Law: Light intensity control is finer at low levels and coarser at high levels.

Inverse Square Law: Light intensity control is coarser at low levels and finer at high levels.

S-Curve: Light intensity control is finer at low levels and high levels and coarser at medium levels.

Lamp Settings

To select **Lamp Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Lamp On/Off**, **Lamp On With Power**, **Lamp On via DMX** or **Lamp Off via DMX**.



Lamp On/Off

To select **Lamp On/Off**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Off**(lamp off) or **On**(lamp on), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Lamp On With Power

To select **Lamp On With Power**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Off**(Lamp off while power on) or **On**(Lamp on while power on), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Lamp On via DMX

To select **Lamp On via DMX**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Off** or **On**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Lamp Off via DMX

To select **Lamp Off via DMX**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Off** or **On**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Display Settings

To select **Display Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Invert**, **Backlight Intensity**, **Temperature Unit** or **Language**.

Display Invert

Select **Display Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal display) or **Yes** (invert display), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Backlight Intensity

Select **Backlight Intensity**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust backlight intensity from **1** (dark) to **10** (bright), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.



Temperature Unit

Select **Temperature Unit**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select °C or °F, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Language

Select **Language**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **English** or **Chinese**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Fixture Test

To select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Test**

Auto Test

Select **Auto Test**, press the **ENTER** button to confirm, the unit will run built-in programs to automatically test itself. Press the **MENU** button back to the last menu or exit menu mode after auto test.

Manual Test

Select **Manual Test**, press the **ENTER** button to confirm, the present channel will show on the display, use the **UP/DOWN** button to select channel, press the **ENTER** button to confirm, then use the **UP/DOWN** button to adjust the value, press the **ENTER** button to store, the fixture will run as the channel value indicates. Press the **MENU** button back to the last menu or exit menu mode idling 30 seconds.

(The fixture will return to the previous DMX state after exiting Manual Test menu and the Manual Test parameters will be automatically saved after power off and restart.)

Fixture Information

To select **Fixture Information**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Use Hour**, **Lamp Use Time**, **Lamp Time Reset**, **Lamp State**, **Humidity**, **Temperature**, **Fan State**, **Firmware Version**, **RDM UID** or **Error Logs**.



Fixture Use Hour

Select **Fixture Use Hour**, press the **ENTER** button to confirm, fixture use hour will show on the display, press the **MENU** button to exit.

Lamp Use Time

To select **Lamp Use Time**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to set the password **050**, press the **ENTER** button to confirm and lamp use time in **Work Mode**, **Sleep Mode** or **Sleep Ratio** can be viewed, press the **ENTER** button to confirm. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Lamp Time Reset

Select **Lamp Time Reset**, press the **ENTER** button to confirm, use the **UP/DOWN** button to set the password **050** to reset lamp use time, press the **MENU** button to exit.

Lamp State

Select **Lamp State**, press the **ENTER** button to confirm, lamp state will show on the display, press the **MENU** button to exit.

Humidity

Select **Humidity**, press the **ENTER** button to confirm, current humidity and max humidity of fixture's base and head will show on the display, press the **MENU** button to exit.

Attention: When the humidity is $\geq 75\%$, the fixture will display an alarm that the humidity is too high, and the bulb cannot be turned on in the current state (if the bulb is currently on, it will be automatically turned off); only when the humidity drops to $\leq 60\%$ can the bulb be turned on and the alarm be cleared.

Temperature

Select **Temperature**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Head**, **Base** or **CPU's**, press the **ENTER** button to confirm, current temperature and max temperature of fixture's head, base and CPU will show on the display, press the **MENU** button to exit.

Fan State

Select **Fan State**, press the **ENTER** button to confirm, fan state will show on the display, press the **MENU** button to exit.

Firmware Version

Select **Firmware Version**, press the **ENTER** button to confirm, firmware version will show on the display, press the **MENU** button back to exit.



RDM UID

Select **RDM UID**, press the **ENTER** button to confirm, RDM UID will show on the display, press the **MENU** button back to exit.

Error Logs

Select **Error Logs**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fixture Errors** or **Reset Error Log**, press the **ENTER** button to store. Select **Reset Error Log**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, press the **ENTER** button to store. Select **Yes**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to set the password **050**, press the **ENTER** button to reset error log. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Reset Functions

To select **Reset Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan/Tilt Reset**, **Effect Reset** or **All Reset**.

Pan/Tilt Reset

Select **Pan/Tilt Reset**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the unit will run built-in program to reset pan and tilt to their home positions), press the **ENTER** button to store. Press the **MENU** button to exit.

Effect Reset

Select **Effect Reset**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the unit will run built-in program to reset effect to their home positions), press the **ENTER** button to store. Press the **MENU** button to exit.

All Reset

Select **All Reset**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the unit will run built-in program to reset all motors to their home positions), press **ENTER** button to store. Press the **MENU** button to exit.

Special Functions

Factory Restore

Select **Factory Restore**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes** (the fixture will reset to factory settings), press **ENTER** button to store. Press the **MENU** button to exit.



RDM FUNCTIONS

Select the MANUFACTURER menu to display the manufacturer of the fixture.

Select the SOFTWARE VERSION menu and the program version number of the fixture will be displayed.

Select the DMX START ADDRESS menu to change the DMX 512 address (001-512).

Select the DEVICE MODEL DESCRIPTION menu to display the model of the fixture.

Select the DEVICE LABEL menu to change the model of the fixture.

Select the DMX PERSONALITY menu to set the channel mode of the fixture (23/17 channel).

Select the DMX PERSONALITY DESCRIPTION menu to display the current channel mode of the fixture.

Select the DEVICE HOURS menu to display the running time of the fixture.

Select the LAMP HOURS menu to display the running time of the lamp.

Select the LAMP STATE menu to turn on/off the lamp.

Select the PAN INVERT menu and the fixture will run the pan invert mode.

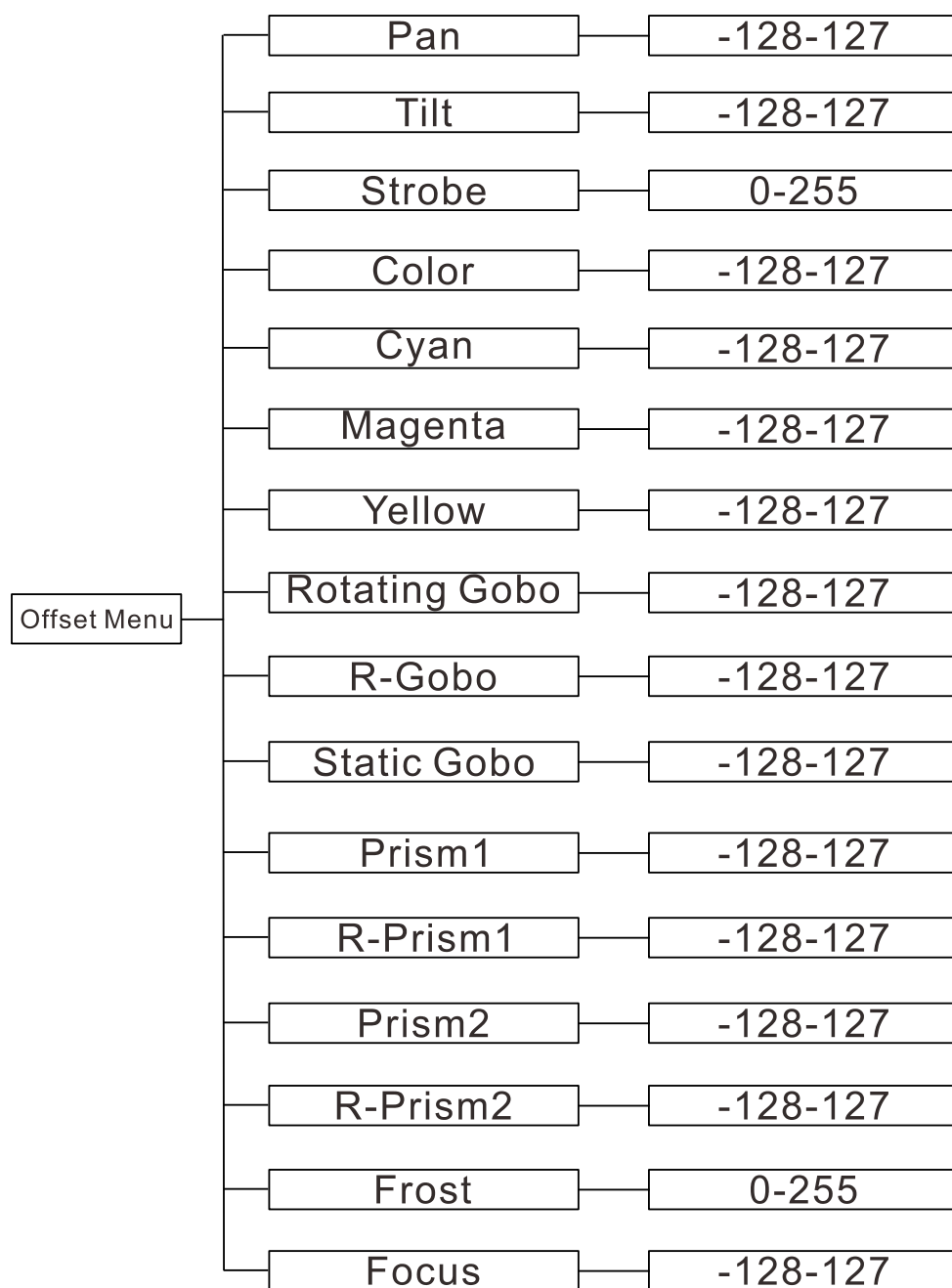
Select the TILT INVERT menu and the fixture will run the tilt invert mode.

Select the RESET DEVICE menu, the WARM RESET/COLD RESET option will be displayed. When WARM RESET is selected, the fixture will start a warm reset, and exit when COLD RESET is selected.

5.2 Home Position Adjustment

Press the MENU button into menu mode, then press the ENTER button for about 3 seconds into offset mode to adjust the home position. Select the function by pressing the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press MENU button to exit.





Pan

Enter offset mode, Select **Pan**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Tilt

Enter offset mode, Select **Tilt**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.



Strobe

Enter offset mode, Select **Strobe**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

Color

Enter offset mode, Select **Color**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Cyan

Enter offset mode, Select **Cyan**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Magenta

Enter offset mode, Select **Magenta**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Yellow

Enter offset mode, Select **Yellow**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Rotating Gobo

Enter offset mode, Select **Rotating Gobo**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

R-Gobo

Enter offset mode, Select **R-Gobo**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Static Gobo

Enter offset mode, Select **Static Gobo**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.



Prism 1

Enter offset mode, Select **Prism 1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

R-Prism 1

Enter offset mode, Select **R-Prism 1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Prism 2

Enter offset mode, Select **Prism 2**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

R-Prism 2

Enter offset mode, Select **R-Prism 2**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

Frost

Enter offset mode, Select **Frost**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

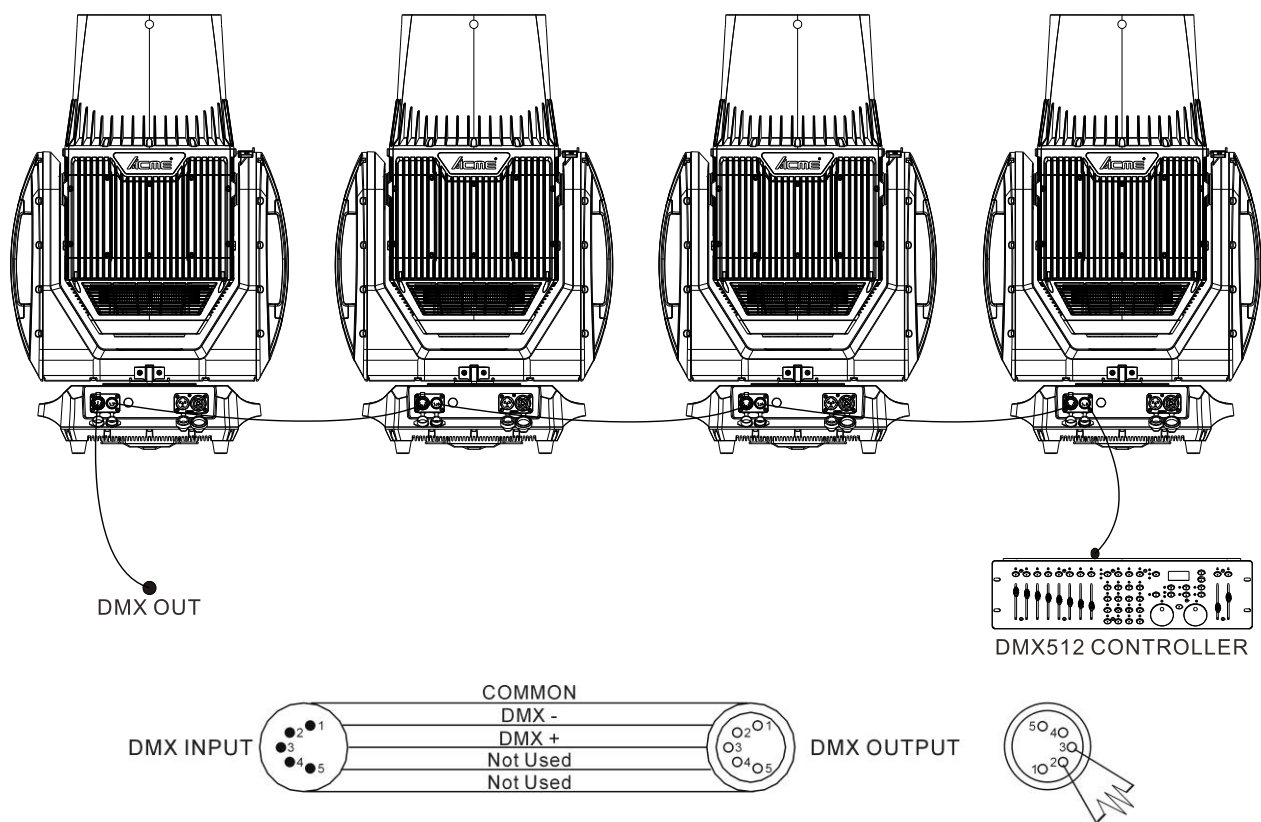
Focus

Enter offset mode, Select **Focus**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from -128 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.



6. Control By Universal DMX Controller

6.1 DMX512 Connection



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
2. Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable can only be used in series and cannot be connected in parallel. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units’ power is disconnected.
4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
5. The end of the DMX 512 system should be terminated to reduce signal errors.
6. 3 pin XLR connectors are more popular than 5 pins XLR.
 - 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
 - 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

6.2 Address Setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
23 channels	1	24	47	70
17 channels	1	18	35	52

6.3 DMX512 Configuration

Please control the fixture by referring to the configurations below

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

Attention: To prevent the sunlight from continuously irradiating the bulb through the light hole, when the bulb turns off, the strobe will be turned off and the frost will be turned on. In this state, both of the strobe and frost cannot be controlled manually or by DMX.

23 Channels (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	CYAN 0%→100%
2	000-255	MAGENTA 0%→100%
3	000-255	YELLOW 0%→100%



4	000-255	CTO 6500K→2700K
5	000-007 008-011 012-015 016-019 020-023 024-027 028-031 032-035 036-039 040-043 044-047 048-051 052-055 056-059 060-063 064-127 128-189 190-193 194-255	COLOR Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Index Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast
6	000-003 004-103 104-107 108-207 208-212 213-251 252-255	STROBE Close Strobe from slow to fast Open Pulsation from slow to fast Open Random Strobe Open
7	000-255	DIMMER 0%→100%
8	000-255	DIMMER FINE
9	000-007 008-015 016-023 024-031 032-039 040-047 048-055 056-063 064-072 073-081 082-090 091-099	ROTATING GOBO Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 1 Shaking Gobo 2 Shaking Gobo 3 Shaking Gobo 4 Shaking



	100-108 109-117 118-127 128-189 190-193 194-255	Gobo 5 Shaking Gobo 6 Shaking Gobo 7 Shaking Clockwise Rotation Fast to Slow Stop Counter-Clockwise Rotation Slow to Fast
10	000-127 128-189 190-193 194-255	GOBO ROTATION Index Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast
11	000-255	FINE GOBO ROTATION
12	000-003 004-007 008-011 012-015 016-018 019-022 023-026 027-030 031-034 035-037 038-041 042-045 046-049 050-053 054-056 057-060 061-064 065-068 069-071 072-113 114-117 118-159 160-165 166-170 171-175 176-181 182-186 187-191 192-197 198-202 203-207 208-214 215-218	STATIC GOBO Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 13 Gobo 14 Gobo 15 Gobo 16 Gobo 17 Gobo 18 Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast Gobo 1 Shaking Gobo 2 Shaking Gobo 3 Shaking Gobo 4 Shaking Gobo 5 Shaking Gobo 6 Shaking Gobo 7 Shaking Gobo 8 Shaking Gobo 9 Shaking Gobo 10 Shaking Gobo 11 Shaking



	219-223 224-229 230-234 235-239 240-245 246-250 251-255	Gobo 12 Shaking Gobo 13 Shaking Gobo 14 Shaking Gobo 15 Shaking Gobo 16 Shaking Gobo 17 Shaking Gobo 18 Shaking
13	000-010 011-132 133-223 224-255	PRISM Close Prism 1 Prism 2 Prism 1+ Prism 2 mixing effect
14	000-127 128-189 190-193 194-255	PRISM ROTATION Index Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast
15	000-255	FROST 0%→100%
16	000-255	FOCUS 0%→100%
17	000-255	FOCUS FINE
18	000-255	PAN 0°→540°
19	000-255	PAN FINE
20	000-255	TILT 0°→270°
21	000-255	TILT FINE
22	000-255	PAN/TILT SPEED Fast to Slow
23	000-129 130-139 140-149 150-159 160-169 170-179 180-199 200-209 210-229 230-239 240-255	SPECIAL FUNCTION No Function Lamp On Reset X/Y Reset Effect Soft Filter Disable Soft Filter Enable No Function Reset All No Function Lamp Off No Function



17 Channels (Mode 2):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 0°→540°
2	000-255	PAN FINE
3	000-255	TILT 0°→270°
4	000-255	TILT FINE
5	000-255	PAN/TILT SPEED Fast to Slow
6	000-255	CYAN 0%→100%
7	000-255	MAGENTA 0%→100%
8	000-255	YELLOW 0%→100%
9	000-255	CTO 6500K→2700K
10	000-007 008-011 012-015 016-019 020-023 024-027 028-031 032-035 036-039 040-043 044-047 048-051 052-055 056-059 060-063 064-127 128-189 190-193 194-255	COLOR Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Index Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast
11	000-003 004-103 104-107 108-207	STROBE Close Strobe from slow to fast Open Pulsation from slow to fast



	208-212 213-251 252-255	Open Random Strobe Open
12	000-255	DIMMER 0%→100%
13	000-255	DIMMER FINE
14	000-255	FROST 0%→100%
15	000-255	FOCUS 0%→100%
16	000-255	FOCUS FINE
17	000-129 130-139 140-149 150-159 160-169 170-179 180-199 200-209 210-229 230-239 240-255	SPECIAL FUNCTION No Function Lamp On Reset X/Y Reset Effect Soft Filter Disable Soft Filter Enable No Function Reset All No Function Lamp Off No Function

7. Error Information

Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

1. CPU-B/C/D/E/F Error

Check whether the 485 (DATA) leads on the PCB board are installed in place or disconnected.

Check whether the related 485 (DATA) signal circuit on the PCB board is damaged.

2. Pan Reset Error

Check whether the position of the pan where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the pan operating range.

Check whether the Hall element on the pan is damaged.

Check whether the lead connecting the Hall element on the pan and the PCB board is in poor contact or disconnected.

Check whether the motor on the pan is damaged.



Check whether the related circuit of the motor drive board on the pan is damage.

3. Pan Encode Error

Check whether the encoder on the pan is damaged.

Check whether the lead connecting the encoder on the pan and the PCB board is in poor contact or disconnected.

4. Tilt Reset Error

Check whether the position of the tilt where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the tilt operating range.

Check whether the Hall element on the tilt is damaged.

Check whether the lead connecting the Hall element on the tilt and the PCB board is in poor contact or disconnected.

Check whether the motor on the tilt is damaged.

Check whether the related circuit of the motor drive board on the tilt is damage.

5. Tilt Encode Error

Check whether the encoder on the tilt is damaged.

Check whether the lead connecting the encoder on the tilt and the PCB board is in poor contact or disconnected.

6. Cyan Reset Error

Check whether the position of the cyan color wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the cyan color wheel operating range.

Check whether the Hall element on the cyan color wheel is damaged.

Check whether the lead connecting the Hall element on the cyan color wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the cyan color wheel is damaged.

Check whether the related circuit of the motor drive board on the cyan color wheel is damage.

7. Magenta Reset Error

Check whether the position of the magenta color wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the magenta color wheel operating range.

Check whether the Hall element on the magenta color wheel is damaged.

Check whether the lead connecting the Hall element on the magenta color wheel and the PCB



board is in poor contact or disconnected.

Check whether the motor on the magenta color wheel is damaged.

Check whether the related circuit of the motor drive board on the magenta color wheel is damage.

8. Yellow Reset Error

Check whether the position of the yellow color wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the yellow color wheel operating range.

Check whether the Hall element on the yellow color wheel is damaged.

Check whether the lead connecting the Hall element on the yellow color wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the yellow color wheel is damaged.

Check whether the related circuit of the motor drive board on the yellow color wheel is damage.

9. Color Reset Error

Check whether the position of the color wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the color wheel operating range.

Check whether the Hall element on the color wheel is damaged.

Check whether the lead connecting the Hall element on the color wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the color wheel is damaged.

Check whether the related circuit of the motor drive board on the color wheel is damage.

10. Rotating Gobo Error

Check whether the position of the rotating gobo wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the rotating gobo wheel operating range.

Check whether the Hall element on the rotating gobo wheel is damaged.

Check whether the lead connecting the Hall element on the rotating gobo wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the rotating gobo wheel is damaged.

Check whether the related circuit of the motor drive board on the rotating gobo wheel is damage.



11. R-Gobo Reset Error

Check whether the position of the rotating gobo wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the rotating gobo wheel operating range.

Check whether the Hall element on the rotating gobo wheel is damaged.

Check whether the lead connecting the Hall element on the rotating gobo wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the rotating gobo wheel is damaged.

Check whether the related circuit of the motor drive board on the rotating gobo wheel is damage.

12. Static Gobo Error

Check whether the position of the static gobo wheel where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the static gobo wheel operating range.

Check whether the Hall element on the static gobo wheel is damaged.

Check whether the lead connecting the Hall element on the static gobo wheel and the PCB board is in poor contact or disconnected.

Check whether the motor on the static gobo wheel is damaged.

Check whether the related circuit of the motor drive board on the static gobo wheel is damage.

13. Prism1/2 Reset Error

Check whether the position of the prism1/2 where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the prism1/2 operating range.

Check whether the Hall element on the prism1/2 is damaged.

Check whether the lead connecting the Hall element on the prism1/2 and the PCB board is in poor contact or disconnected.

Check whether the motor on the prism1/2 is damaged.

Check whether the related circuit of the motor drive board on the prism1/2 is damage.

14. R-Prism1/2 Reset Error

Check whether the position of the prism1/2 where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the prism1/2 operating range.

Check whether the Hall element on the prism1/2 is damaged.

Check whether the lead connecting the Hall element on the prism1/2 and the PCB board is in poor contact or disconnected.



Check whether the motor on the prism1/2 is damaged.

Check whether the related circuit of the motor drive board on the prism1/2 is damage.

15. Focus Reset Error

Check whether the position of the focus where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the focus operating range.

Check whether the Hall element on the focus is damaged.

Check whether the lead connecting the Hall element on the focus and the PCB board is in poor contact or disconnected.

Check whether the motor on the focus is damaged.

Check whether the related circuit of the motor drive board on the focus is damage.

16. BaseFan1/2/3/4 Start Err

Check whether the fan is not running.

Check whether the fan leads are installed in place or disconnected.

Check whether the fan is damaged.

Check whether there are obstacles in the fan operating range.

17. BaseFan1/2/3/4 Stop Err

Check whether the fan circuit on the motherboard breaks down.

Check whether the component is damaged.

18. BaseFan1/2/3/4 Too Low

Check whether the fan is out of order.

Check whether there are obstacles in the fan operating range.

19. BaseFan1/2/3/4 Too High

Check whether the fan is out of order.

Check whether the fan circuit on the motherboard breaks down.

20. HeadFan1/2/3/4/5/6/7/8/9/10/11 Start Err

Check whether the fan is not running.

Check whether the fan leads are installed in place or disconnected.

Check whether the fan is damaged.

Check whether there are obstacles in the fan operating range.

21. HeadFan1/2/3/4/5/6/7/8/9/10/11 Stop Err

Check whether the fan circuit on the motherboard breaks down.

Check whether the component is damaged.



22. HeadFan1/2/3/4/5/6/7/8/9/10/11 Too Low

Check whether the fan is out of order.

Check whether there are obstacles in the fan operating range.

23. HeadFan1/2/3/4/5/6/7/8/9/10/11 Too High

Check whether the fan is out of order.

Check whether the fan circuit on the motherboard breaks down.

24. ArmFan1 Start Err

Check whether the fan is not running.

Check whether the fan leads are installed in place or disconnected.

Check whether the fan is damaged.

Check whether there are obstacles in the fan operating range.

25. ArmFan1 Stop Err

Check whether the fan circuit on the motherboard breaks down.

Check whether the component is damaged.

26. ArmFan1 Too Low

Check whether the fan is out of order.

Check whether there are obstacles in the fan operating range.

27. ArmFan1 Too High

Check whether the fan is out of order.

Check whether the fan circuit on the motherboard breaks down.

28. Head Humidity Error

Check whether the humidity sensor is faulty

Check whether the lead connecting the humidity sensor is installed in place or disconnected.

29. Base Humidity Error

Check whether the humidity sensor is faulty

Check whether the lead connecting the humidity sensor is installed in place or disconnected.

30. G Sensor Error

Check whether the gravity sensor on board E is damaged.

31. Ballast Comm Err

Check whether the ambient temperature exceeds 45°C.

Check if the ballast fan speed is too slow.

Check if the ballast is damaged.



32. Lamp Hot Power Off

Check whether the temperature switch of the lamp is off.

Check whether the fans are still running properly.

33. Lamp On Error

Check whether the bulb or ballast is faulty.

34. Lamp volt. too high

Check if the lamp is damaged.

Check if the lamp has reached its lifetime.

Check if the ballast is damaged.

35. Ballast Temp. high

Check whether the ambient temperature exceeds 45 °C.

Check if the ballast fan speed is too slow.

Check if the ballast is damaged.

36. Head Humi. Too High

Disassemble the housing of the fixture to dehumidify.

37. Base Humi. Too High

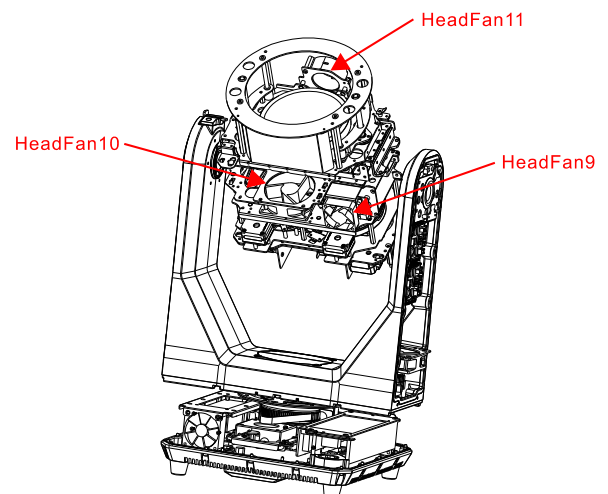
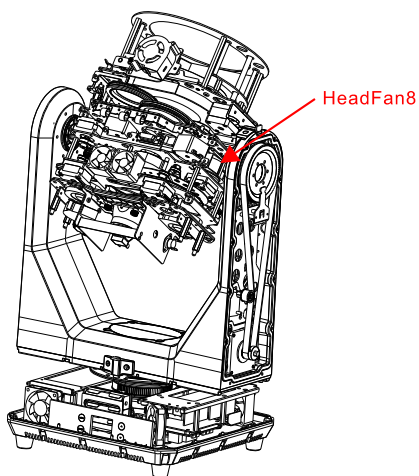
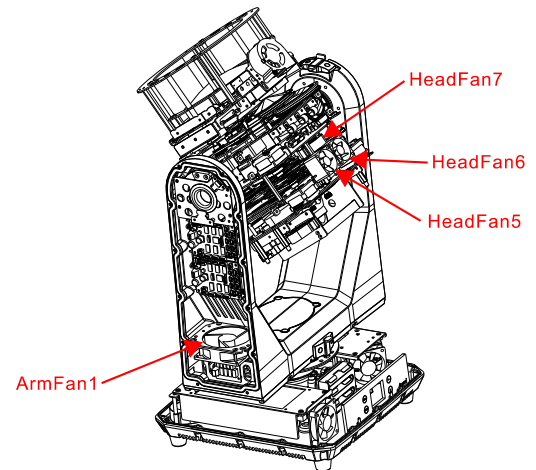
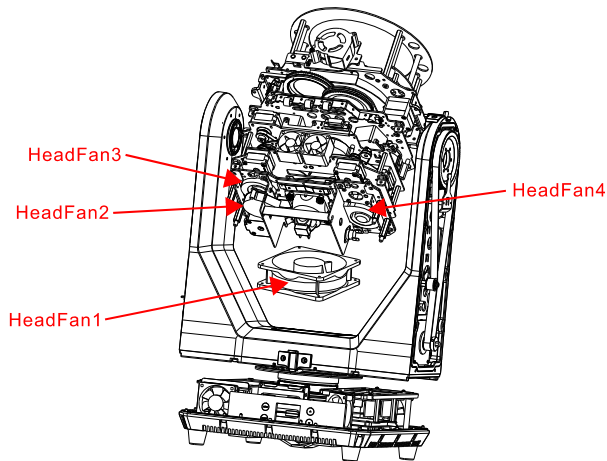
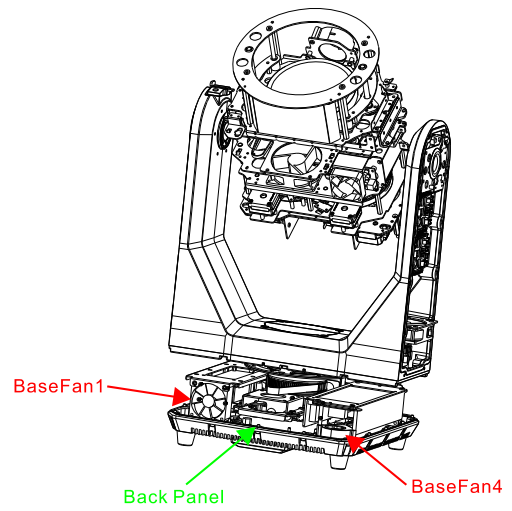
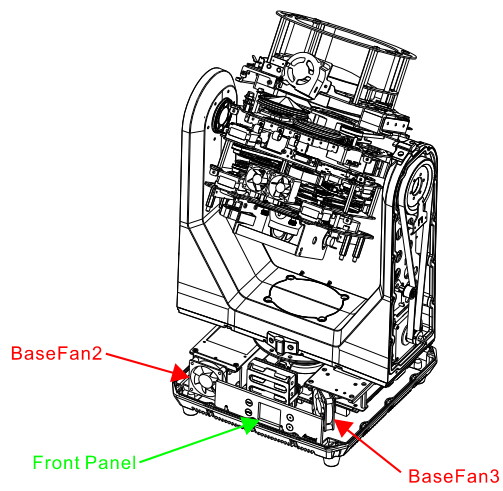
Disassemble the housing of the fixture to dehumidify.

38. Lamp Maintenance

Check lamp use time and replace the lamp in time.



The position of each fan of the fixture:



8. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connected power.
2. Measure the voltage.
3. Check the power indicator to see whether it can be lit up or not.

B. Not responding to the DMX controller

1. Check whether the DMX connectors and the DMX cables are connected correctly.
2. Check whether the DMX address is correctly set.
3. If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.
4. Try it with another DMX controller.
5. Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB might be broken.
2. The motor's drive IC on the PCB might be out of condition.

D. The lamp is cutting out intermittently

1. The lamp is not working well. Check whether the voltage is too high or too low.
2. The internal temperature may be too high. Replace the cooling fan if necessary.



9. Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

- A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.
- Always dry the parts carefully.
- Clean the external optical lens at least every 20 days.





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 2014/30/EU.

EN 55032: 2015+A11:2020; EN IEC 61000-3-2: 2019;
EN 61000-3-3: 2013+A1: 2019; EN 55035: 2017+A11: 2020.

&

Harmonized Standard

EN 60598-1: 2015+A1: 2018; EN 60598-2-17: 2018;
EN 62493: 2015.

Safety of household and similar electrical appliances
Part 1: General requirements and tests

Certifications

cETLus Approved (Control #5000057)



Innovation, Quality, Performance

