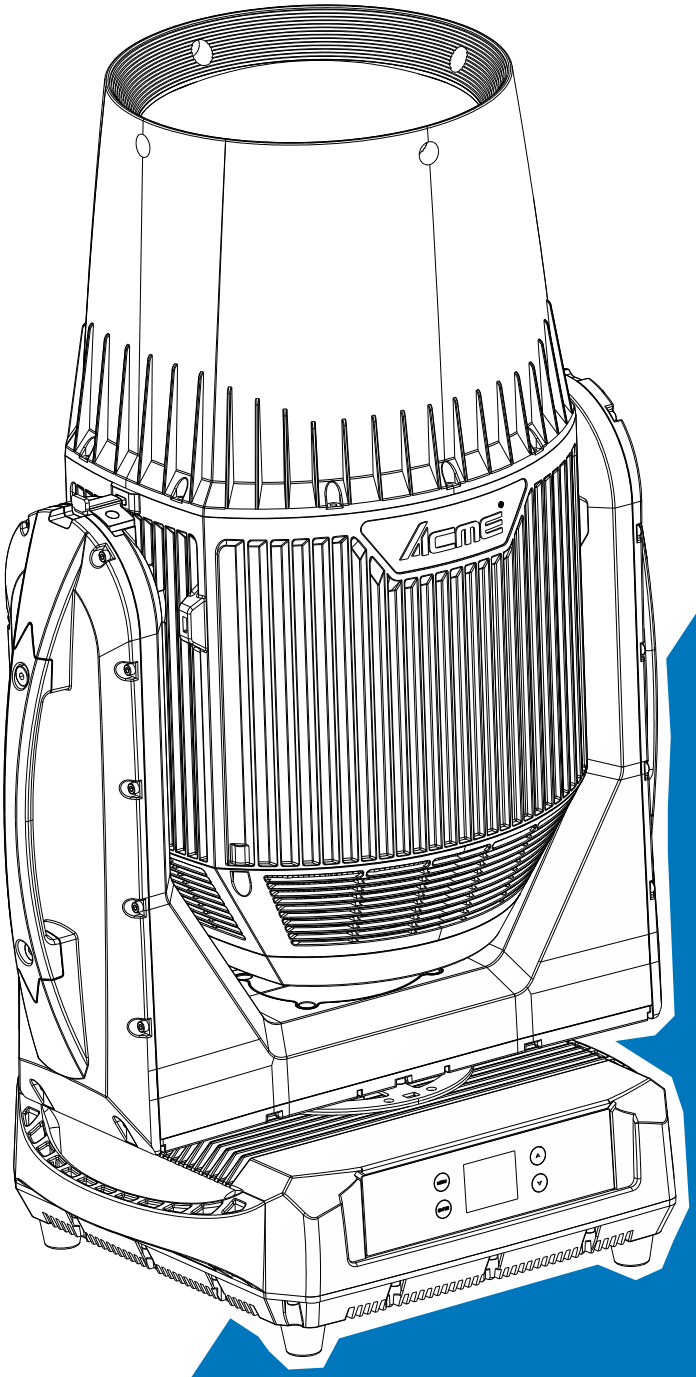
SCORPIUS



Intertek
5000057

User Manual

Please read the instruction carefully before use

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01/ 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℃. 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.

01/ 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 file jaune/vert à la terre afin d'éviter tout choc électrique.
- Température ambiante minimale TA: 0˚C. Température ambiante maximale TA: 40˚C. 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℃. 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.
- Débranchez l'alimentation secteur avant de remplacer ou d'entretenir la lampe.
- Remplacez la lampe uniquement par le même type.
- 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 chaude. 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.

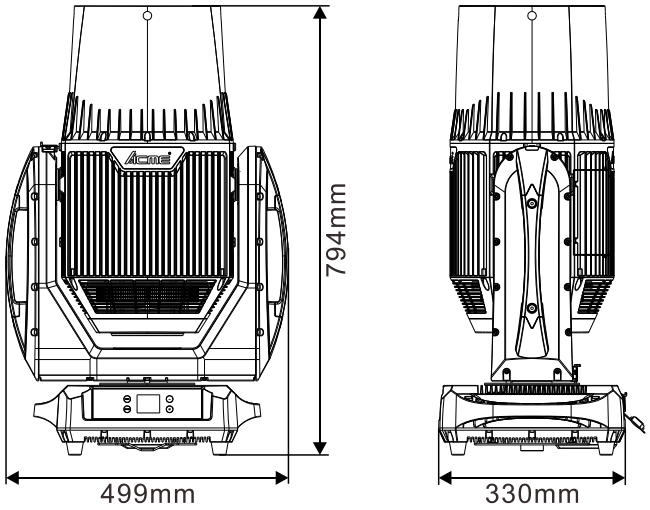
- Évitez une exposition directe des yeux à la source lumineuse lorsque le produit est allumé.
- Ne touchez jamais l'ampoule avec à mains nus, car elle reste très chaude après utilisation.
- N'utilisez PAS ce produit si vous constatez des dommages sur le boîtier, les blindages ou les câbles. Faites remplacer immédiatement les pièces endommagées par un technicien agréé.

02/ Technical Specifications

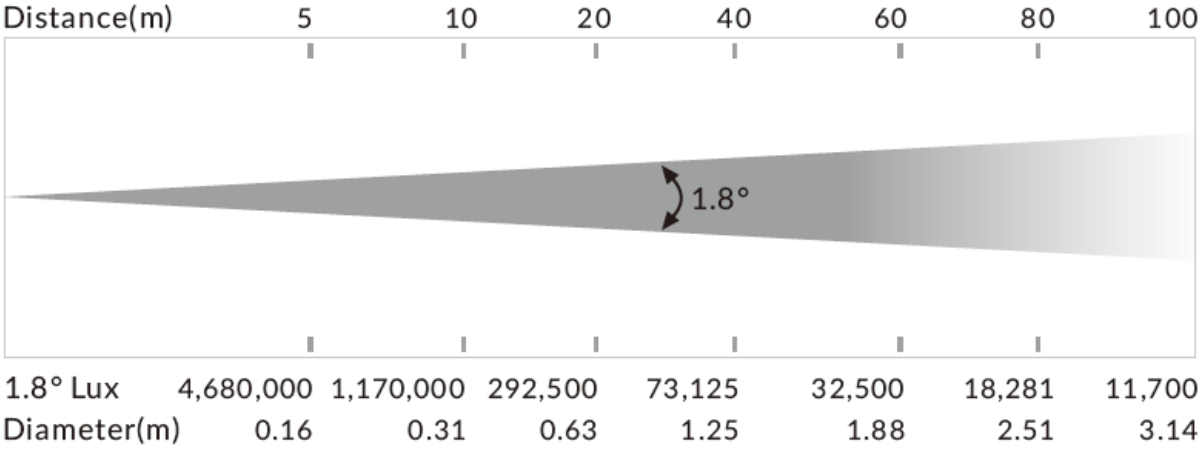
Power Voltage	100-240V~ 50/60Hz	
Power Consumption	780W	
Light Source	PHILIPS MSD Platinum 500L Flex	
Color Temperature	6700K	
Beam Angle	1.8°	
Dimmer/Strobe	0-100% smooth dimming; outstanding strobe effect with variable speed	
Color Wheel	14 colors plus open with rainbow effect	
Gobo Wheel	Static Gobo Wheel	18 gobos plus open
	Rotating Gobo Wheel	7 gobos plus open
Movement	Pan	540°
	Tilt	260°
	Pan/Tilt Resolution	16 bit
	Automatic pan/tilt position correction	
	Fixation	Pan/Tilt lock
Control	DMX Channel	23/17 Channels
	Control Mode	DMX512
		RDM
		Wireless (optional)
	Firmware Upgrade	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

Description for power cord set should be used: Listed SJOW flexible cord with rating: 300V, 105°C, VW-1, 16AWG x 3C, molded with 5-15P attachment plug and terminated with cord connector model SAC3FX with rating 250VAC, 16A, T80 by NINGBO HAISHU DISTRICT SEETRONIC ELECTRONIC CO., LTD. The length of power cord shall be at least 914mm (It is to be measured from the face of attachment plug to the face of connector).

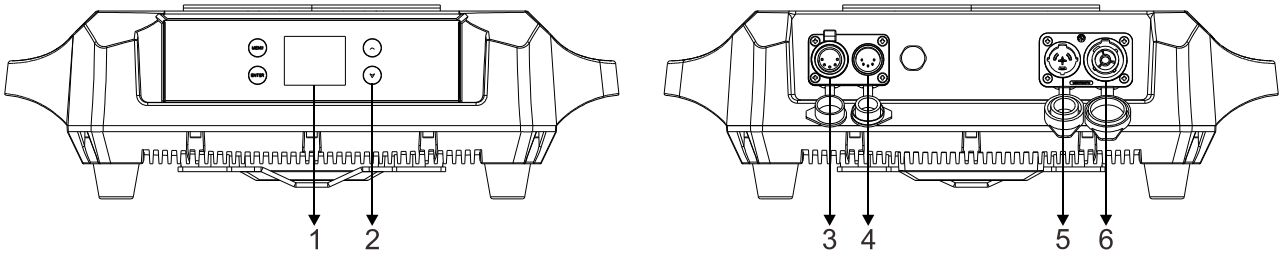
Features	Linear CMY color mixing	
	Variable CTO	
	Motorized focus	
	Independent frost effect	
	2 x prisms: 8-facet prism + 6-facet linear prism, capable of bidirectional rotation and superposition	
	IP66 protection rating, which can be used outdoors all the year round	
Dimensions	499x330x794mm	19.6"x13"x31.3"in
Weight	43.5kgs	95.9lbs



Photometric Diagram:



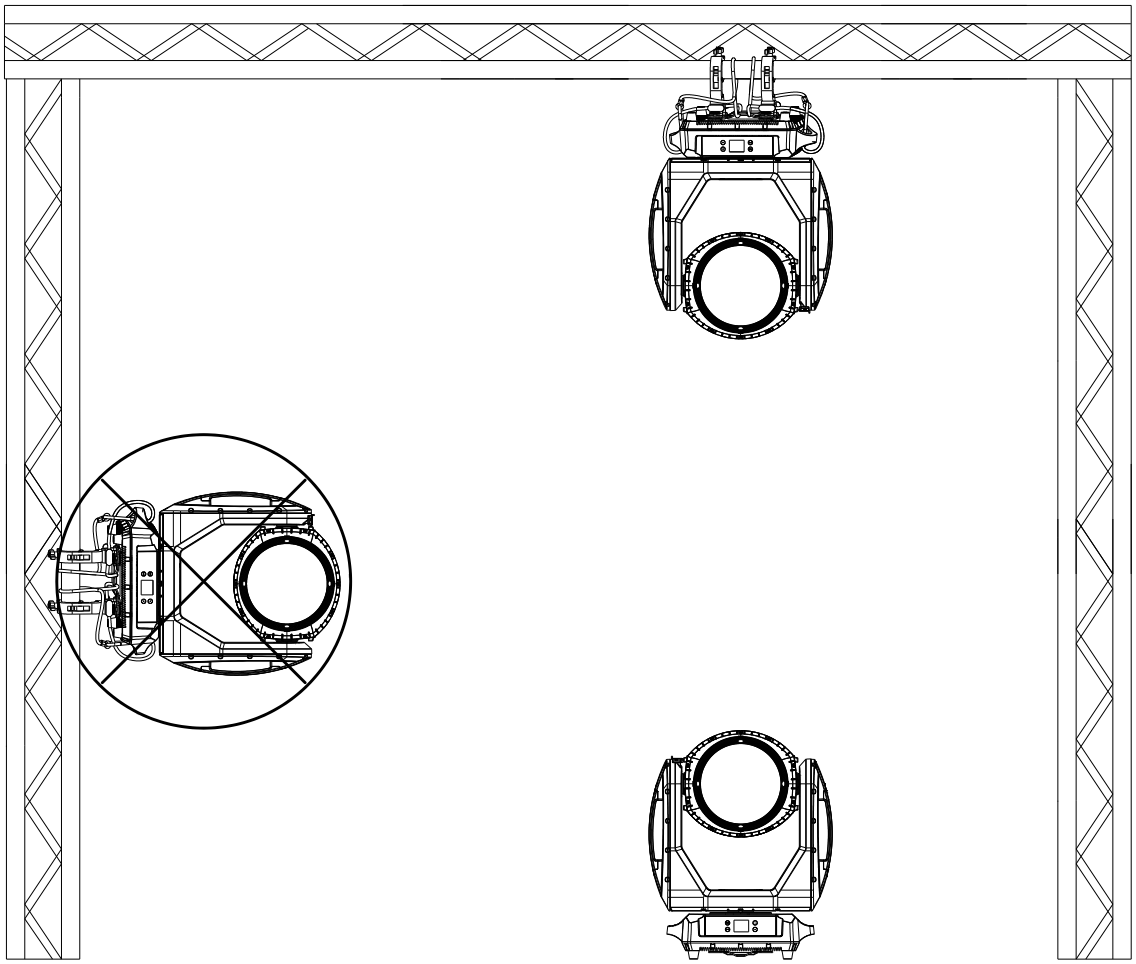
03/ Control Panel



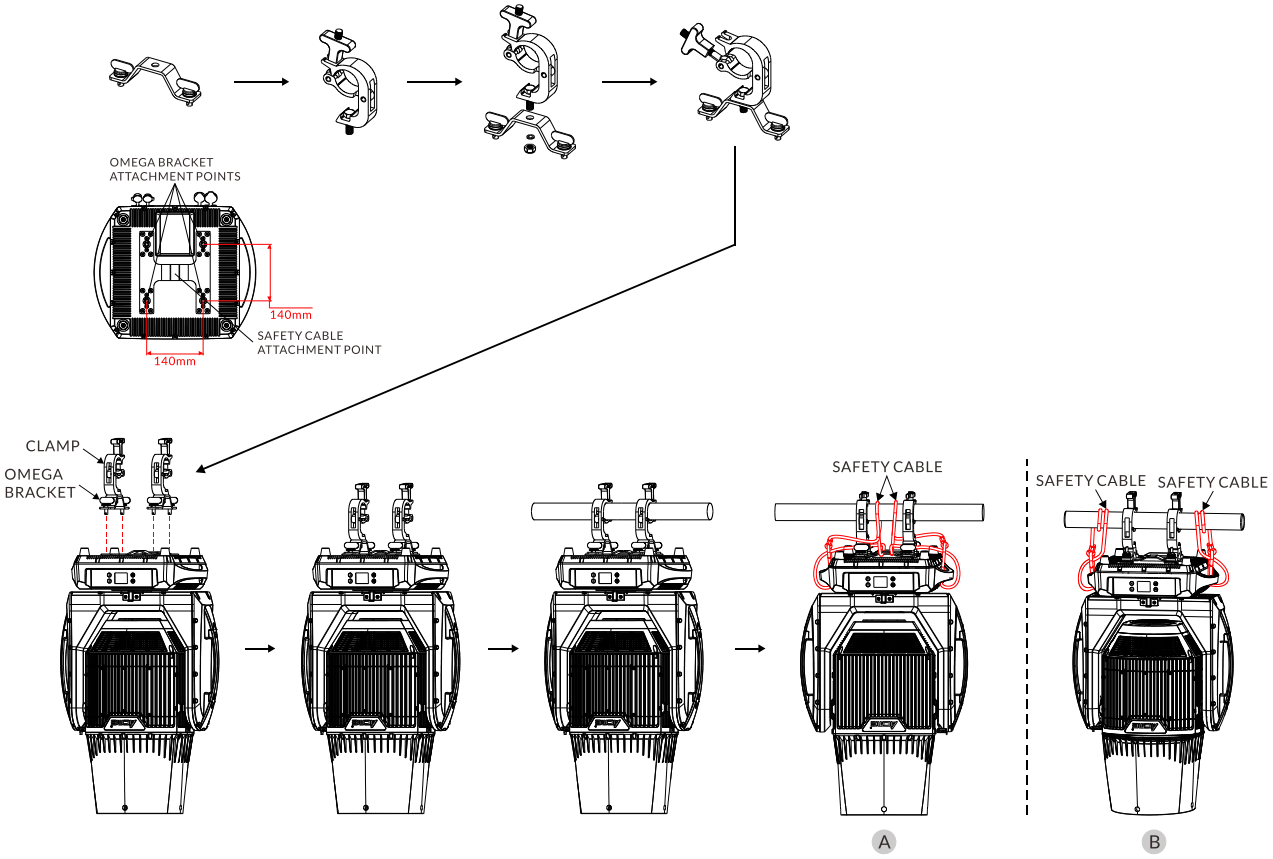
1. Display	To show the various menus and the selected function	
2. Buttons	MENU	To enter into move backward or leave the menu
	▲ UP	To go backward to move up in the menu
	▼ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. DMX OUT	For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (3-pin XLR cable is optional)	
4. DMX IN	For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (3-pin XLR cable is optional)	
5. POWER IN	To connect to supply power	
6. POWER OUT	To connect to the next fixture	

04/ Fixture Installation

- DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.
- 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 attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.
- This fixture is fully operational in two different mounting positions: hanging upside-down, or standing on the floor. DO NOT mount this fixture sideways on trussing. Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



Steps for installing the omega brackets to the fixture:

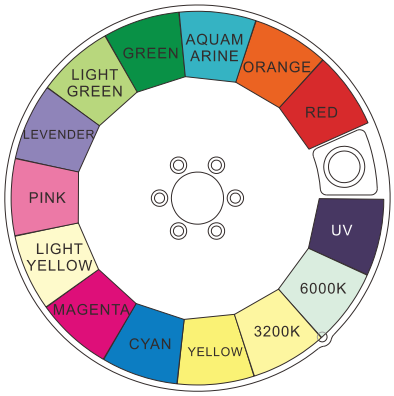


Wrap the safety cables as A or B shows.

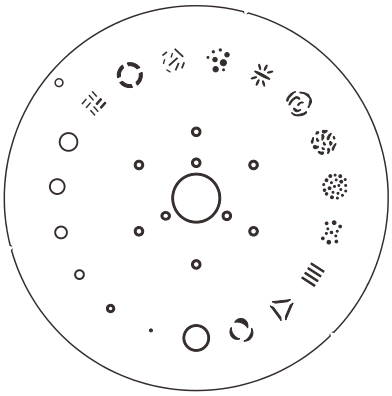
Caution: For security reasons, you need to loop and wrap safety cables through fixture base handle and route and wrap through center bracket on fixture base (A). Or pull the safety cables through the handle and around the truss (B).

The safety cable must be secured to keep from interfering with the pan and tilt movement of the fixture.

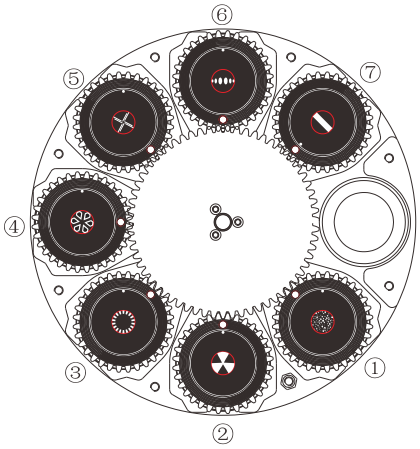
5.1 Effect Wheels



COLOR WHEEL



STATIC GOBO WHEEL



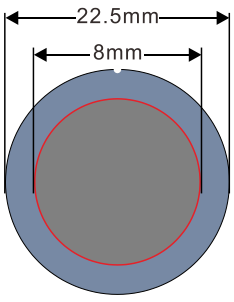
ROTATING GOBO WHEEL

DANGER!

Install the rotating gobos with the device switched off only.

Unplug from mains before changing the rotating gobos!

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

5.2 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.

5.3 Lamp Replacement

ATTENTION

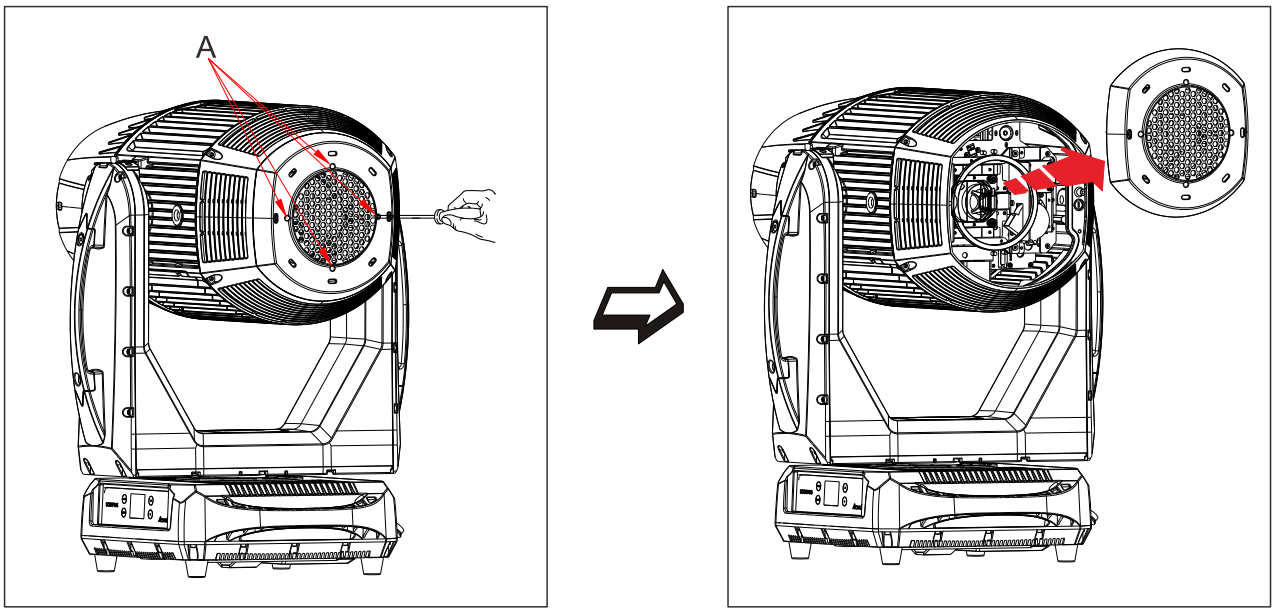
The entire light path and lens of the luminaire must be thoroughly cleaned before replacing the lamp.

Do not use this lamp more than 4000 hours, using the lamp any longer than its set life could seriously damage the fixture. 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.

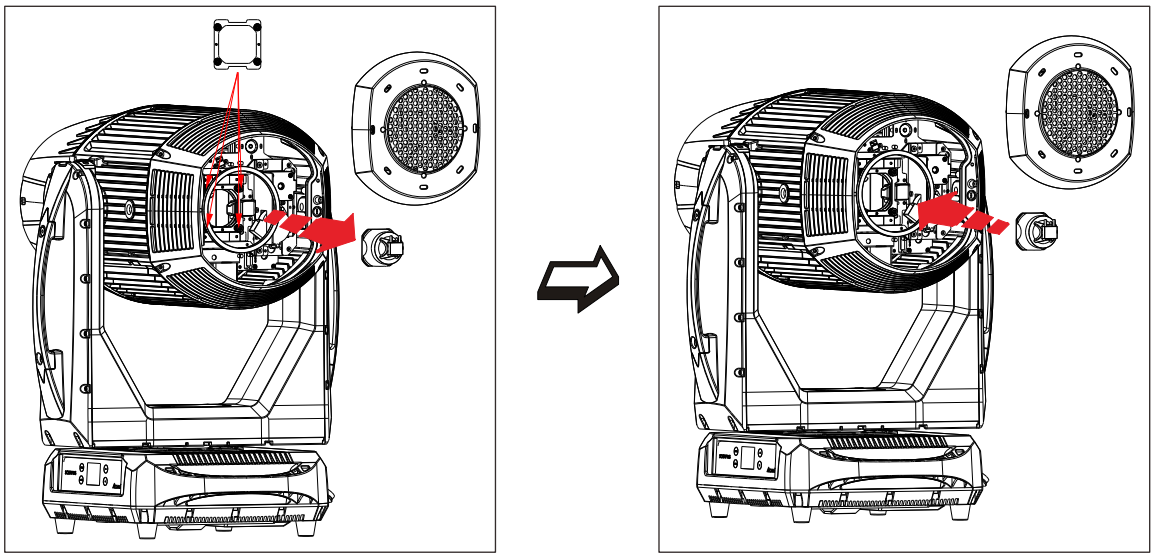
To replace the lamp:

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 15 minutes after the lamp has been turned off, so that the cooling fans have time to works.

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

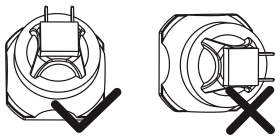


Loosen the screws of the quick lock plate that holds the lamp in place. Unplug the leads of the lamp and lift the lamp out of its recess, disconnect the lamp and connect a new lamp that must be the same type with the old one. And then place the new lamp into the lamp recess.



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

The installing direction of lamp:



5.4 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.

06/ How To Set The Unit

6.1 Main Functions

- To access the control menus, press the [MENU] button.
- Navigate the menu structure, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- To select a menu option or to confirm a selection, press the [ENTER] button.
- To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

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:

MENU	SUBMENU	OPTIONS	
DMX Settings	DMX Address	1-490 (23 CH)	(Default=1)
		1-496 (17 CH)	
	DMX Channel Mode	Mode 1 (23)	
		Mode 2 (17)	
	No DMX Status	Blackout	
		Hold	
		Manual	
	View DMX Value		
Fixture Settings	Pan Invert	No	
		Yes	
	Tilt Invert	No	
		Yes	
	P/T Feedback	No	
		Yes	
	Pan/Tilt Speed	Slow	
		Fast	
	Dimmer Curve	Linear	
		Square Law	
		Inv SQ Law	
		S Curve	
	Gobo Short Cut	Enable	
		Disable	

MENU	SUBMENU	OPTIONS	
	Color Short Cut	Enable	
		Disable	
Lamp Settings	Lamp On/Off	Off	
		On	
	Lamp ON with Power	Off	
		On	
	Lamp ON via DMX	Off	
		On	
	Lamp OFF via DMX	Off	
		On	
Display Settings	Display Invert	No	
		Yes	
	Backlight Intensity	1-10	(Default=10)
	Temperature Unit	°C	
		°F	
	Language	English	
		Chinese	
Fixture Test	Auto Test		
	Manual Test	Clear	No/Yes
		Cyan	0-255
		Magenta	0-255
		Yellow	0-255
		Cto	0-255
		Color	0-255
		Strobe	0-255
		Dimmer	0-255
		Dimmer Fine	0-255
		Rotating Gobo	0-255
		R-Gobo	0-255
		R-Gobo Fine	0-255
		Static Gobo	0-255
		Prism	0-255
		R-Prism	0-255
		Frost	0-255
		Focus	0-255
		Focus Fine	0-255
		Pan	0-255
		Pan Fine	0-255

MENU	SUBMENU	OPTIONS		
		Tilt	0-255	
		Tilt Fine	0-255	
		P/T Speed	0-255	
		Functions	0-255	
Fixture Information	Fixture Use Hour			
	Lamp Use Time	Password=050	Work Mode	
			Sleep Mode	
			Sleep Ratio	
	Lamp Time Reset	Password=050		
	Lamp State	Driver State		
		Lamp Voltage		
		Fault Mode		
	Humidity		Current	Max
		Base		
		Head		
	Temperature		Current	Max temp
		Head		
		Base		
	Fan State	H_FAN 1-11		
		A_FAN 1		
		B_FAN 1-4		
	Firmware Version			
	RDM UID			
	Error Logs	Fixture Errors		
		Reset Error Log	No	
			Yes	Password=050
Reset Functions	Pan/Tilt Reset	No		
		Yes		
	Effect Reset	No		
		Yes		
	All Reset	No		
		Yes		
Special Functions	Factory Restore	No		
		Yes		

DMX Settings

Enter the control menu and select **DMX Settings**, press ENTER. Use the UP/DOWN button to select **DMX Address, DMX Channel Mode, No DMX Status** or **View DMX Value.**

DMX Address

Select **DMX Address,** press ENTER.

Use UP/DOWN button to select an address, confirm your selection with ENTER.

CHANNEL MODE	DMX ADDRESS
Mode 1 (23)	1-490
Mode 2 (17)	1-496

To exit the menu, press MENU, or wait 30 seconds.

DMX Channel Mode

Select **DMX Channel Mode,** press ENTER.

Use UP/DOWN button to select between **Mode 1 (23)** and **Mode 2 (17)**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

No DMX Status

Select **No DMX Status,** press ENTER.

Use UP/DOWN button to select one of the following status:

Blackout (Fixture blacks out if DMX signal stops)

Hold (The device continues to operate in the current mode with the last active DMX values until the signal returns)

Manual (The device accepts the DMX value stored in the 'Manual Test' menu)

Confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

View DMX Value

Select **View DMX Value,** press ENTER.
Use UP/DOWN button to select the desired DMX channel, for which the value is to be displayed.
To exit the menu, press MENU, or wait 30 seconds.

Fixture Settings

Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Pan Invert, Tilt Invert, P/T Feedback, Pan/Tilt Speed, Dimmer Curve, Gobo Short Cut** or **Color Short Cut.**

Pan Invert

Select **Pan Invert,** press ENTER.
Use UP/DOWN button to select **No** (pan invert deactivated) or **Yes** (pan invert activated), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Tilt Invert

Select **Tilt Invert,** press ENTER.
Use UP/DOWN button to select **No** (tilt invert deactivated) or **Yes** (tilt invert activated), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

P/T Feedback

Select **P/T Feedback,** press ENTER.
Use UP/DOWN button to select **No** (pan/tilt feedback deactivated) or **Yes** (pan/tilt feedback activated), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Pan/Tilt Speed

Select **Pan/Tilt Speed,** press ENTER.

Use UP/DOWN button to select **Slow** or **Fast**, confirm your selection with ENTER.

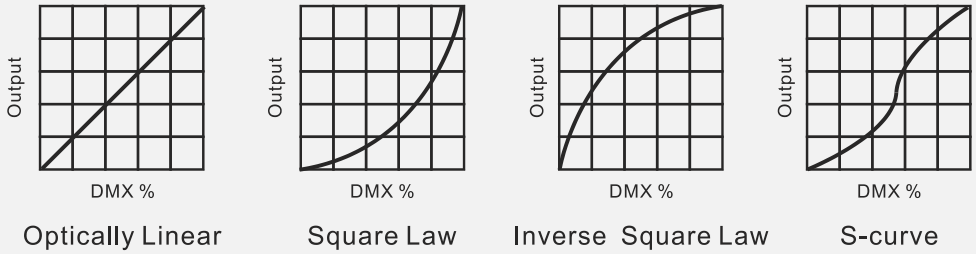
To exit the menu, press MENU, or wait 30 seconds.

Dimmer Curve

Select **Dimmer Curve,** press ENTER.

Use UP/DOWN button to select **Linear, Square Law, Inv SQ Law** or **S Curve**, confirm your selection with ENTER.

Dimmer Modes



To exit the menu, press MENU, or wait 30 seconds.

Gobo Short Cut

Select **Gobo Short Cut,** press ENTER.

Use UP/DOWN button to select **Enable** or **Disable**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Color Short Cut

Select **Color Short Cut,** press ENTER.

Use UP/DOWN button to select **Enable** or **Disable**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Lamp Settings

Enter the control menu and select **Lamp Settings**, press ENTER. 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

Select **Lamp On/Off,** press ENTER.
Use UP/DOWN button to select **Off** (lamp off) or **On** (lamp on), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Lamp ON with Power

Select **Lamp ON with Power,** press ENTER.
Use UP/DOWN button to select **Off** (lamp off while power on) or **On** (lamp on while power on), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Lamp ON via DMX

Select **Lamp ON via DMX,** press ENTER.
Use UP/DOWN button to select **Off** or **On**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Lamp OFF via DMX

Select **Lamp OFF via DMX,** press ENTER.
Use UP/DOWN button to select **Off** or **On**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Display Settings

Enter the control menu and select **Display Settings**, press ENTER. Use the UP/DOWN button to select **Display Invert, Backlight Intensity, Temperature Unit** or **Language.**

Display Invert

Select **Display Invert,** press ENTER.
Use UP/DOWN button to select **No** (display normal) or **Yes** (display inverted), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Backlight Intensity

Select **Backlight Intensity,** press ENTER.
Use UP/DOWN button to select a value between **1** (dark) and **10** (bright), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Temperature Unit

Select **Temperature Unit,** press ENTER.
Use UP/DOWN button to select **°C** or **°F**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Language

Select **Language,** press ENTER.
Use UP/DOWN button to select **English** or **Chinese**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Fixture Test

Enter the control menu and select **Fixture Test**, press ENTER. Use the UP/DOWN button to select **Auto Test** or **Manual Test.**

Auto Test

Select **Auto Test,** press ENTER.
The device immediately performs an automatic self-test.
To end the automatic self-test and exit the menu, press MENU, or wait 30 seconds.

Manual Test

Select **Manual Test,** press ENTER.
Use UP/DOWN button to select the channel for which the manual test is to be performed, confirm your selection with ENTER.
Use UP/DOWN button to select a value, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.
(The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)

Fixture Information

Enter the control menu and select **Fixture Information**, press ENTER. 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 ENTER.
The operating hours is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Lamp Use Time

Select **Lamp Use Time,** press ENTER.
The lamp operating hours is displayed.
Long press ENTER, use UP/DOWN button to set the password 050, press ENTER. The lamp operating hours of work mode, sleep mode and sleep ratio is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Lamp Time Reset

Select **Lamp Time Reset,** press ENTER.
Use UP/DOWN button to set the password 050, confirm your selection with ENTER. The lamp operating hours is reset.
To exit the menu, press MENU, or wait 30 seconds.

Lamp State

Select **Lamp State,** press ENTER.
The lamp status is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Humidity

Select **Humidity,** press ENTER.
The device humidity is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Attention: When the humidity is ≥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 ≤60% can the bulb be turned on and the alarm be cleared.

Temperature

Select **Temperature,** press ENTER.
The device temperature is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Fan State

Select **Fan State,** press ENTER.
The fan status is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Firmware Version

Select **Firmware Version,** press ENTER.
The firmware version is displayed.
To exit the menu, press MENU, or wait 30 seconds.

RDM UID

Select **RDM UID,** press ENTER.
The RDM UID is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Error Logs

Select **Error Logs,** press ENTER.
Use UP/DOWN button to select **Fixture Errors**, confirm your selection with ENTER.
The error list is displayed.
Use UP/DOWN button to select **Reset Error Log**, confirm your selection with ENTER.
If you wish to reset the relevant error logs, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.
If you select **Yes**, use UP/DOWN button to set the password 050, confirm your selection with ENTER. The relevant error logs are reset.
To exit the menu, press MENU, or wait 30 seconds.

Reset Functions

Enter the control menu and select **Reset Functions**, press ENTER. Use the UP/DOWN button to select **Pan/Tilt Reset, Effect Reset** or **All Reset.**

Pan/Tilt Reset

Select **Pan/Tilt Reset,** press ENTER.
Use UP/DOWN button to select **No** or **Yes** (the device will run built-in program to reset pan/tilt to their home positions), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Effect Reset

Select **Effect Reset,** press ENTER.
Use UP/DOWN button to select **No** or **Yes** (the device will run built-in program to reset effect to their home positions), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

All Reset

Select **All Reset,** press ENTER.
Use UP/DOWN button to select **No** or **Yes** (the device will run built-in program to reset all to their home positions), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Special Functions

Enter the control menu and select **Special Functions**, press ENTER. Use the UP/DOWN button to select **Factory Restore.**

Factory Restore

Select **Factory Restore,** press ENTER.
If you wish to reset the device to the factory settings, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

RDM functions: Certain menus of the device and functions can be called up via the RDM protocol.

The parameter IDs are implemented as follows for different commands:

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
LAMP_STATE		√	√
PAN_INVERT		√	√
TILT_INVERT		√	√
RESET_DEVICE		√	

√ -Command implemented for the respective parameter ID

6.2 Home Position Adjustment

- To access the control menus, press the [MENU] button.
- To access the offset menus, long-press the [ENTER] button.
- Navigate the offset menus, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- To select a menu option or to confirm a selection, press the [ENTER] button.
- To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

OFFSET MENU	VALUES
Pan	-128~127
Tilt	-128~127
Strobe	0~255
Color	-128~127
Cyan	-128~127
Magenta	-128~127
Yellow	-128~127
Rotating Gobo	-128~127
R-Gobo	-128~127
Static Gobo	-128~127
Prism 1	-128~127
R-Prism 1	-128~127
Prism 2	-128~127
R-Prism 2	-128~127
Frost	0~255
Focus	-128~127

Pan

Select **Pan,** press ENTER.

Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Tilt

Select **Tilt,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Strobe

Select **Strobe,** press ENTER.
Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Color

Select **Color,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Cyan

Select **Cyan,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Magenta

Select **Magenta,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Yellow

Select **Yellow,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Rotating Gobo

Select **Rotating Gobo,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

R-Gobo

Select **R-Gobo,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Static Gobo

Select **Static Gobo,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Prism 1

Select **Prism 1,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

R-Prism 1

Select **R-Prism 1,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Prism 2

Select **Prism 2,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

R-Prism 2

Select **R-Prism 2,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

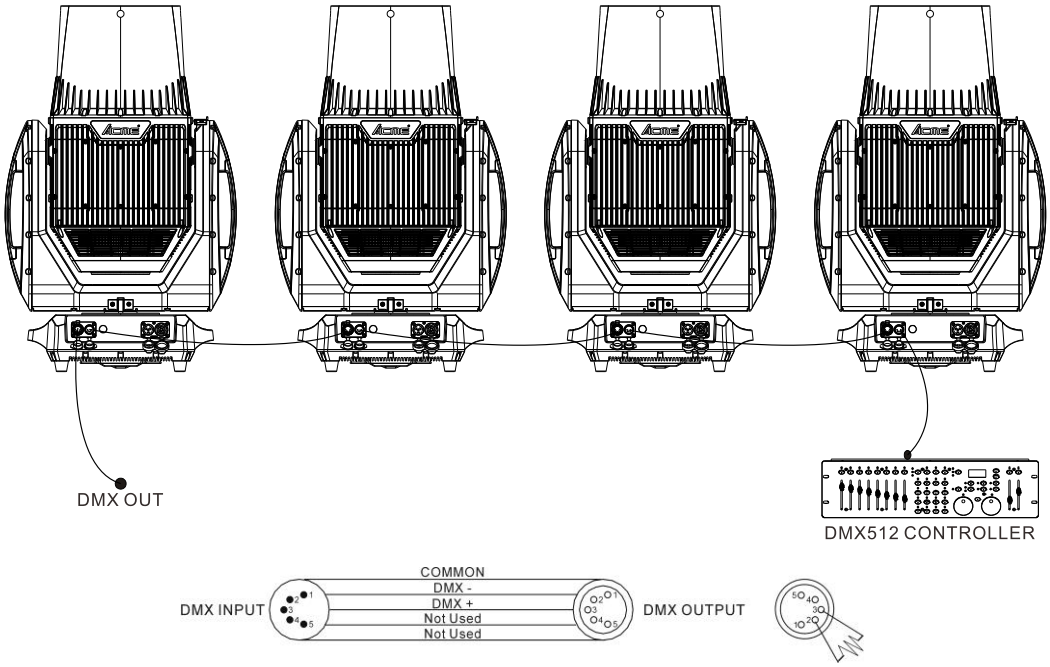
Frost

Select **Frost,** press ENTER.
Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Focus

Select **Focus,** press ENTER.
Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

7.1 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.

7.2 Address Setting

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

Press the MENU button to access the control menus, 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 show on the display. Use the UP/DOWN button to adjust the address between 001 and 512, press the ENTER button to store. To exit the menu, press MENU, or wait 30 seconds.

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

7.3 DMX512 Configuration

Please control the fixture by referring to the configurations below.

Attentions:

- The unit will maintain the last condition until reset if you cut-off the DMX signal.
- 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** 0%→100%
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 from Slow to Fast Open
7	000-255	**DIMMER** 0%→100%
8	000-255	**DIMMER FINE**
9	000-007 008-015 016-023	**ROTATING GOBO** Open Gobo 1 Gobo 2

	024-031	Gobo 3
	032-039	Gobo 4
	040-047	Gobo 5
	048-055	Gobo 6
	056-063	Gobo 7
	064-072	Gobo 1 Shaking
	073-081	Gobo 2 Shaking
	082-090	Gobo 3 Shaking
	091-099	Gobo 4 Shaking
	100-108	Gobo 5 Shaking
	109-117	Gobo 6 Shaking
	118-127	Gobo 7 Shaking
	128-189	Clockwise Rotation Fast to Slow
	190-193	Stop
	194-255	Counter-Clockwise Rotation Slow to Fast
10		**GOBO ROTATION**
	000-127	Index
	128-189	Counter-Clockwise Rotation Fast to Slow
	190-193	Stop
	194-255	Clockwise Rotation Slow to Fast
11	000-255	**FINE GOBO ROTATION**
12		**STATIC GOBO**
	000-003	Open
	004-007	Gobo 1
	008-011	Gobo 2
	012-015	Gobo 3
	016-018	Gobo 4
	019-022	Gobo 5
	023-026	Gobo 6
	027-030	Gobo 7
	031-034	Gobo 8
	035-037	Gobo 9
	038-041	Gobo 10
	042-045	Gobo 11
	046-049	Gobo 12
	050-053	Gobo 13
	054-056	Gobo 14
	057-060	Gobo 15
	061-064	Gobo 16
	065-068	Gobo 17
	069-071	Gobo 18
	072-113	Counter-Clockwise Rotation Fast to Slow
	114-117	Stop
	118-159	Clockwise Rotation Slow to Fast
	160-165	Gobo 1 Shaking
	166-170	Gobo 2 Shaking
	171-175	Gobo 3 Shaking

	176-181 182-186 187-191 192-197 198-202 203-207 208-214 215-218 219-223 224-229 230-234 235-239 240-245 246-250 251-255	Gobo 4 Shaking Gobo 5 Shaking Gobo 6 Shaking Gobo 7 Shaking Gobo 8 Shaking Gobo 9 Shaking Gobo 10 Shaking Gobo 11 Shaking 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°→260°
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	**SPECIAL FUNCTION** No Function Lamp On Reset X/Y Reset Effect Soft Filter Disable Soft Filter Enable

	180-199	No Function
	200-209	Reset All
	210-211	Gobo Short Cut: Enable
	212-213	Gobo Short Cut: Disable
	214-215	Color Short Cut: Enable
	216-217	Color Short Cut: Disable
	218-229	No Function
	230-239	Lamp Off
	240-255	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°→260°
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** 0%→100%
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	**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

	060-063 064-127 128-189 190-193 194-255	Color 14 Index Counter-Clockwise Rotation Fast to Slow Stop Clockwise Rotation Slow to Fast
11	 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 from Slow to Fast 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	 000-129 130-139 140-149 150-159 160-169 170-179 180-199 200-209 210-211 212-213 214-215 216-217 218-229 230-239 240-255	**SPECIAL FUNCTION** No Function Lamp On Reset X/Y Reset Effect Soft Filter Disable Soft Filter Enable No Function Reset All Gobo Short Cut: Enable Gobo Short Cut: Disable Color Short Cut: Enable Color Short Cut: Disable No Function Lamp Off No Function

08/ Error Information

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

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

R-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.

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.

Prism1/2 Reset Error

Check whether the position of the prism where the magnet is installed falls off or is damaged.
Check whether there are obstacles in the prism operating range.
Check whether the Hall element on the prism is damaged.
Check whether the lead connecting the Hall element on the prism and the PCB board is in poor contact or disconnected.
Check whether the motor on the prism is damaged.
Check whether the related circuit of the motor drive board on the prism is damage.

R-Prism1/2 Reset Error

Check whether the position of the prism where the magnet is installed falls off or is damaged.
Check whether there are obstacles in the prism operating range.
Check whether the Hall element on the prism is damaged.
Check whether the lead connecting the Hall element on the prism and the PCB board is in poor contact or disconnected.
Check whether the motor on the prism is damaged.
Check whether the related circuit of the motor drive board on the prism is damage.

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.

Base Fan 1/2/3/4 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.

BaseFan1/2/3/4 Stop Err

Check whether the fan circuit on the motherboard breaks down.
Check whether the component is damaged.

BaseFan1/2/3/4 Too Low

Check whether the fan is out of order.
Check whether there are obstacles in the fan operating range.

BaseFan1/2/3/4 Too High

Check whether the fan is out of order.
Check whether the fan circuit on the motherboard breaks down.

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.

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.

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.

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.

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.

ArmFan1 Stop Err

Check whether the fan circuit on the motherboard breaks down.
Check whether the component is damaged.

ArmFan1 Too Low

Check whether the fan is out of order.
Check whether there are obstacles in the fan operating range.

ArmFan1 Too High

Check whether the fan is out of order.
Check whether the fan circuit on the motherboard breaks down.

Head Humidity Error

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

Base Humidity Error

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

G Sensor Error

Check whether the gravity sensor on board E is damaged.

Ballast Comm Err

Check whether the output voltage of the ballast reaches 380V.
Check whether the ballast is damaged.
Check whether the telecommunication lines are installed in place or disconnected.

Lamp Hot Power Off

Check whether the temperature switch of the lamp is off.
Check whether the fans are still running properly.

Lamp On Error

Check whether the bulb or ballast is faulty.

Lamp volt. too high

Check if the lamp is damaged.
Check if the lamp has reached its lifetime.
Check if the ballast is damaged.

Ballast Temp. High

Check whether the ambient temperature exceeds 45℃.

Check if the ballast fan speed is too slow.

Check if the ballast is damaged.

Head Humi. Too High

Disassemble the housing of the fixture to dehumidify.

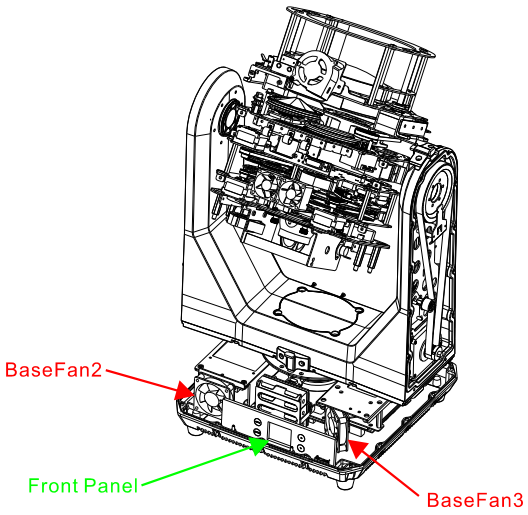
Base Humi. Too High

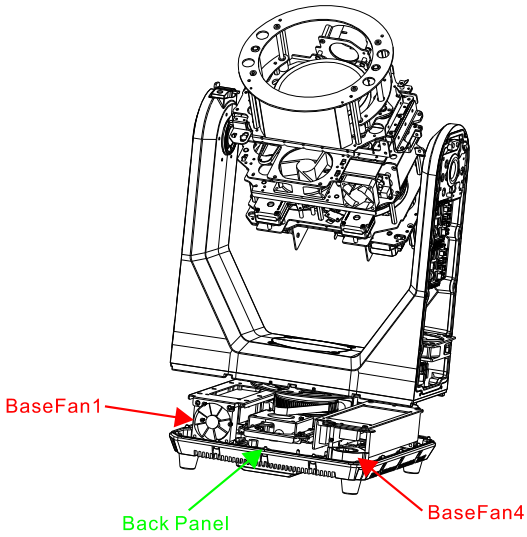
Disassemble the housing of the fixture to dehumidify.

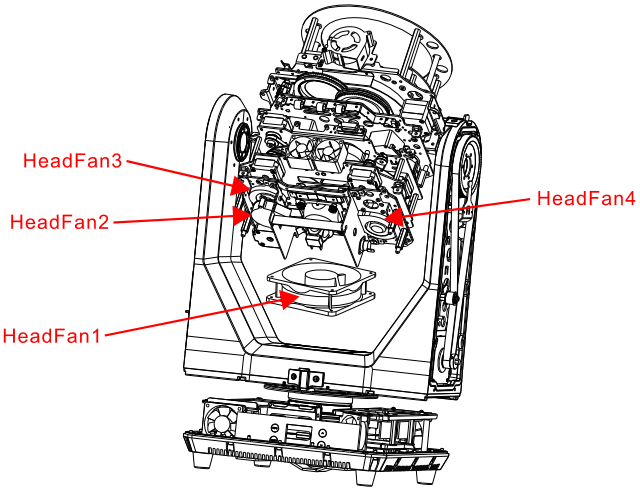
Lamp Maintenance

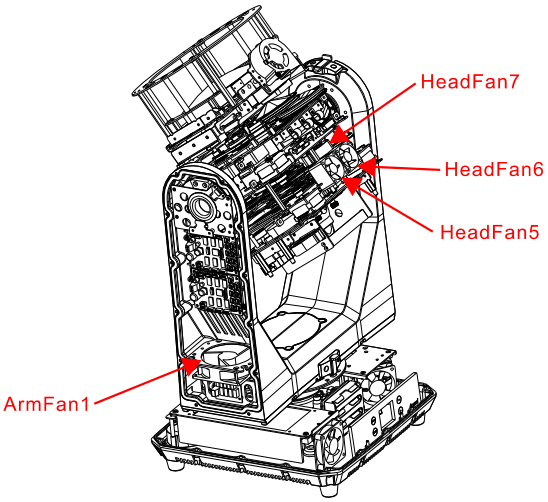
Check lamp use time and replace the lamp in time.

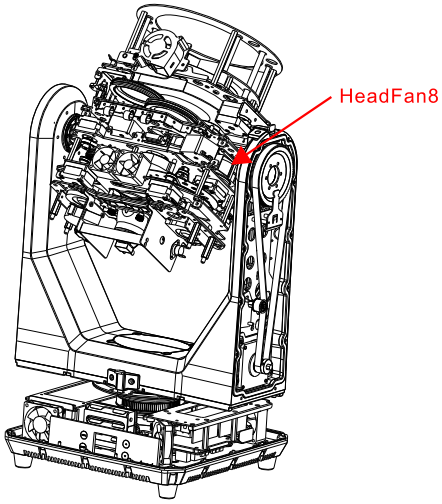
The position of each fan of the fixture:

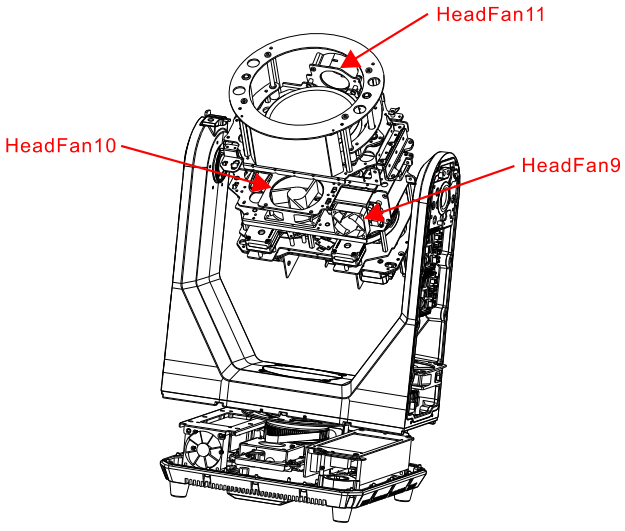












09/ Troubleshooting

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

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

B. Not responding to the DMX controller

- Check whether the DMX connectors and the DMX cables are connected correctly.
- Check whether the DMX address is correctly set.
- If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.
- Try it with another DMX controller.
- 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

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

D. The lamp is cutting out intermittently

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

10/ 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)