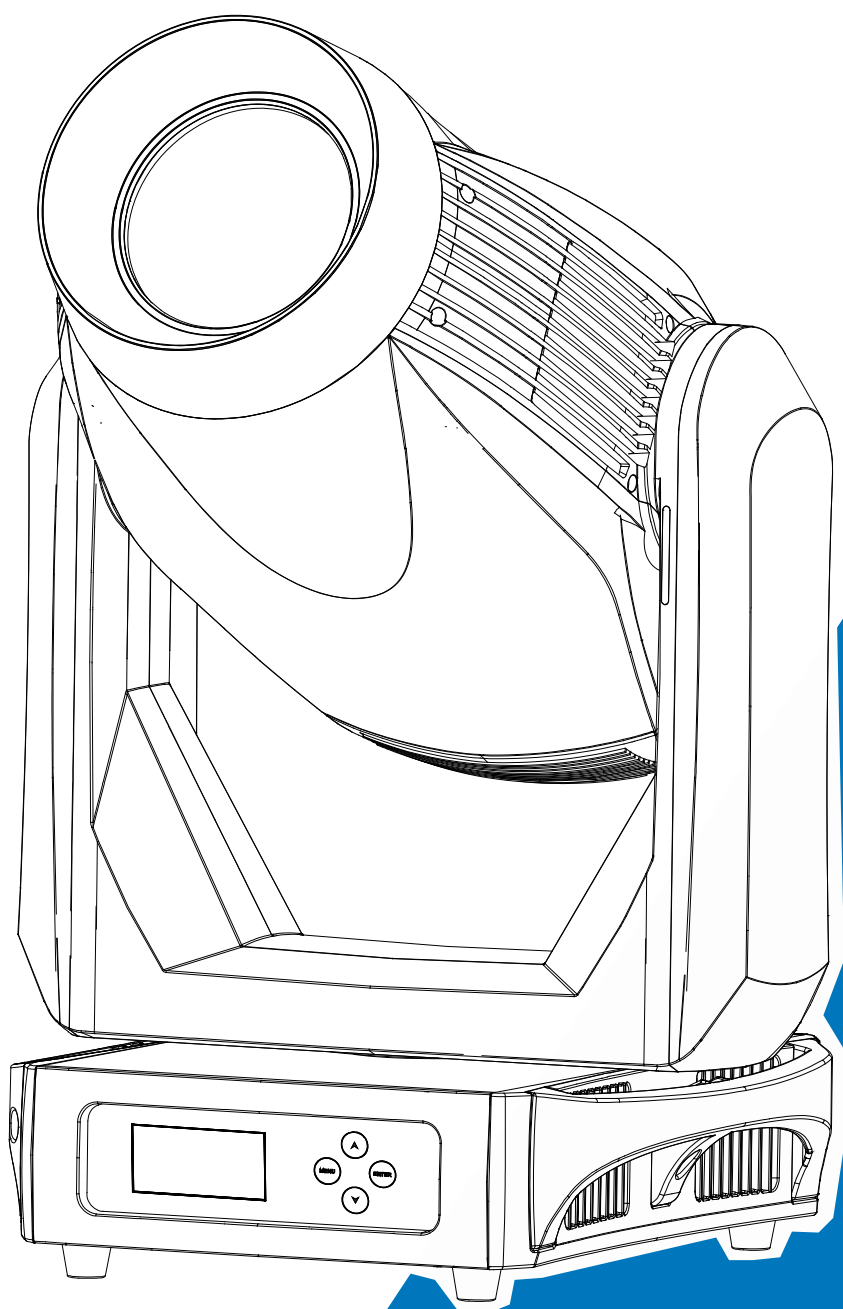




**GLORY
PROFILE**



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 for indoor use only. Use only in a dry location.
- 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.
- 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 2.5 meters.
- Disconnect mains power before fuse/lamp replacement or servicing.
- Replace fuse/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.

2. Technical Specifications

Power Voltage:

230V~ 50Hz

Power Consumption:

1330W

Light Source:

OSRAM HTI 1000W

Color Temperature:

6000K

Zoom Range:

9°~61°

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 speed

Color Wheel:

1 x color wheel with 6 fixed colors plus open, and rainbow effect

Gobo Wheel:

1 x static gobo wheel with 4 gobos and a 135° linear effect plus open

2 x rotating gobo wheels both with 5 gobos plus open, convenient replacement

Control:

DMX Channel: 26/34/28/24/21 channels

Control Mode: DMX512, RDM, Art-Net, Wireless(optional)

Firmware upgrade via DMX link

Construction:

Display: LCD display

Battery backup for user setup without mains connection

Data In/Out: 3/5-pin XLR; RJ45

Power In/Out: Power Connector in

Protection Rating: IP20

Features:

Motorized focus

CMY color mixing + Linear CTO color correction

Outstanding color macro effect

Motorized linear iris

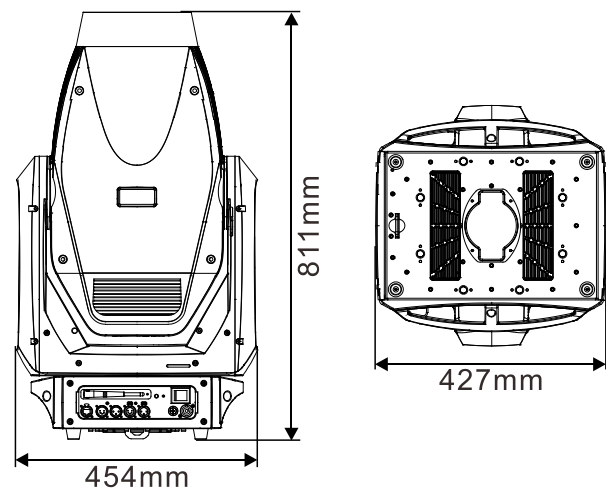
4-facet prism, rotatable in both directions

Independent frost effect

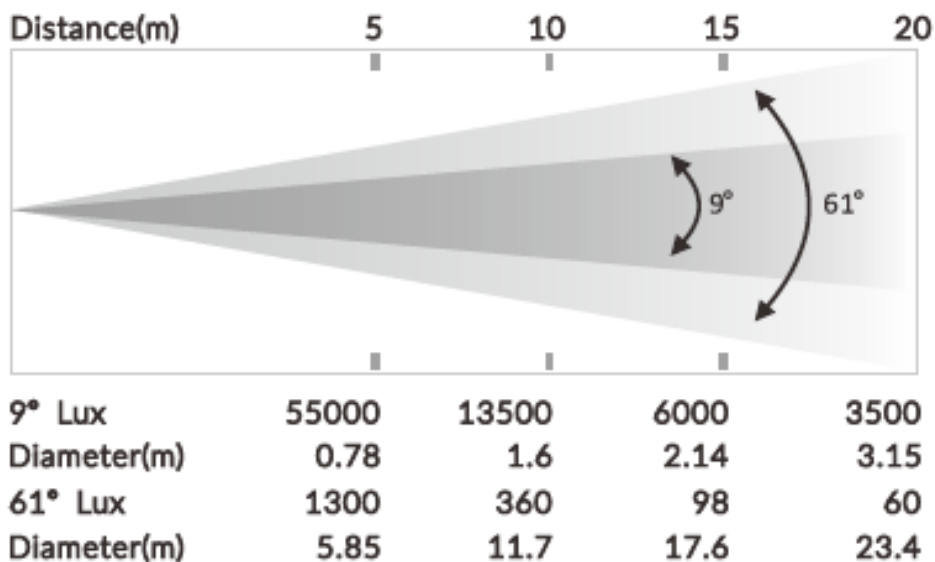
Dimension/Weight:

454x427x811mm, 40kgs

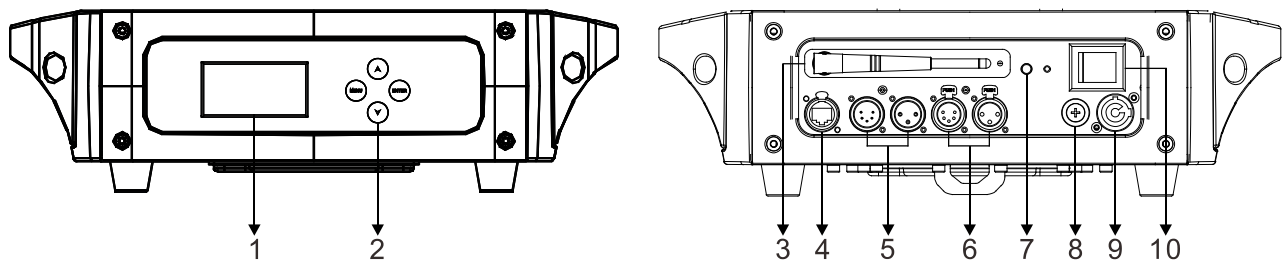
17.9"x16.8"x31.9" in, 88.2lbs



Photometric Diagram:



3. Control Panel



1. Display: To show the various menus and the selected functions

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. WIRELESS RECEIVER: Receive the wireless DMX signal

4. ETHERNET: Transfers fixture's information to a main controller

5. DMX IN: For DMX512 link, use 3/5-pin XLR cable to link the unit and DMX controller

6. DMX OUT: For DMX512 link, use 3/5-pin XLR cable to link the next units

7. BATTERY DISPLAY

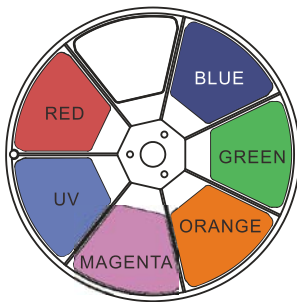
8. FUSE(T 15A): Protects the unit from damage of over-voltage or short circuit

9. POWER: To connect to supply power

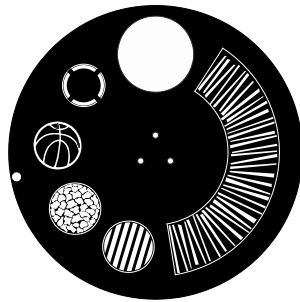
10. POWER SWITCH: Turns on/off the power

4. Effect Wheels and Lamp

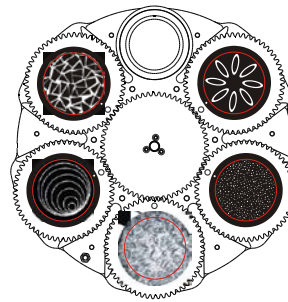
4.1 Effect Wheels



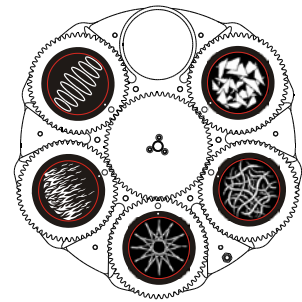
COLOR WHEEL



STATIC GOBO WHEEL



ROTATING GOBO WHEEL1



ROTATING GOBO WHEEL2

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!*

4.2 Light Source

OSRAM HTI 1000W

- 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.

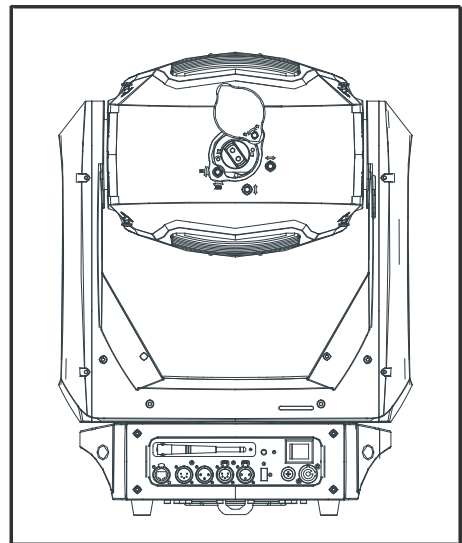
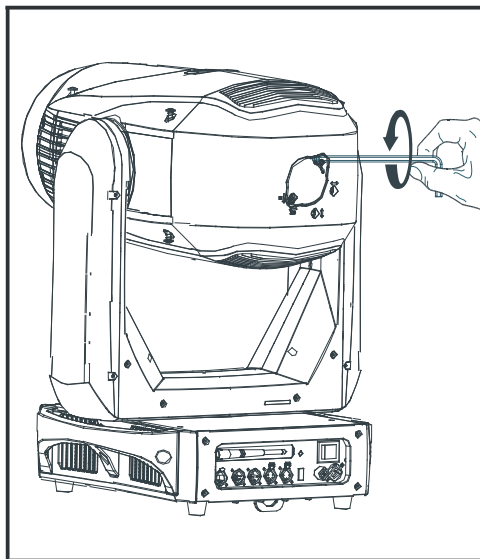
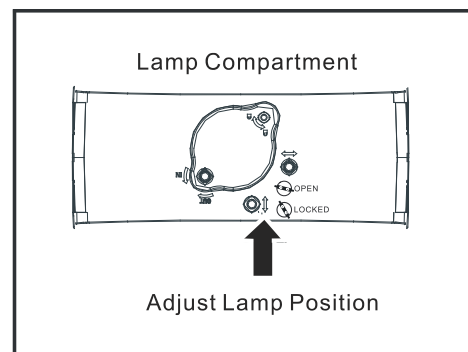
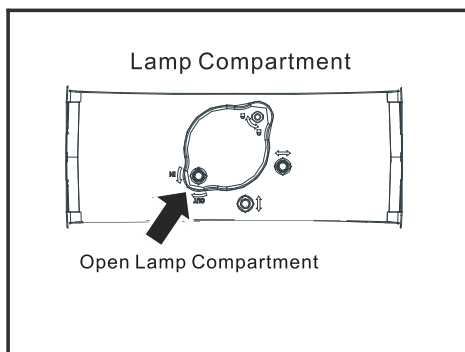
4.3 Change The Lamp

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

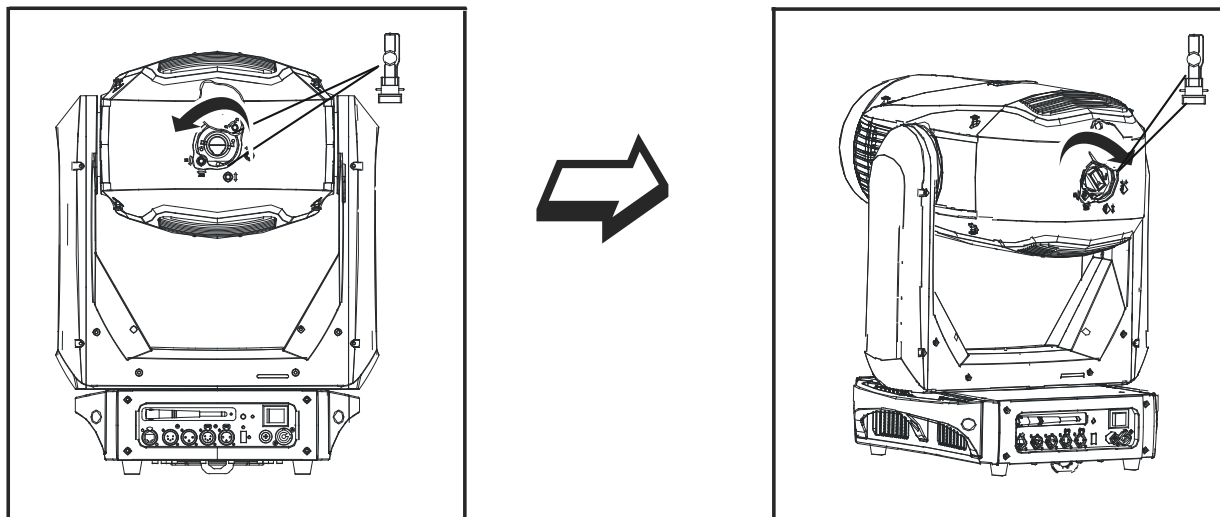
Do not use this lamp more than 750 hours, using the lamp any longer than its set life could seriously damage your unit. Periodically checking the lamp running time, when the lamp reaches the 750 hour mark, or close to it, we strongly suggest you switch the lamp out. Reset the lamp time after you have 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. 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.

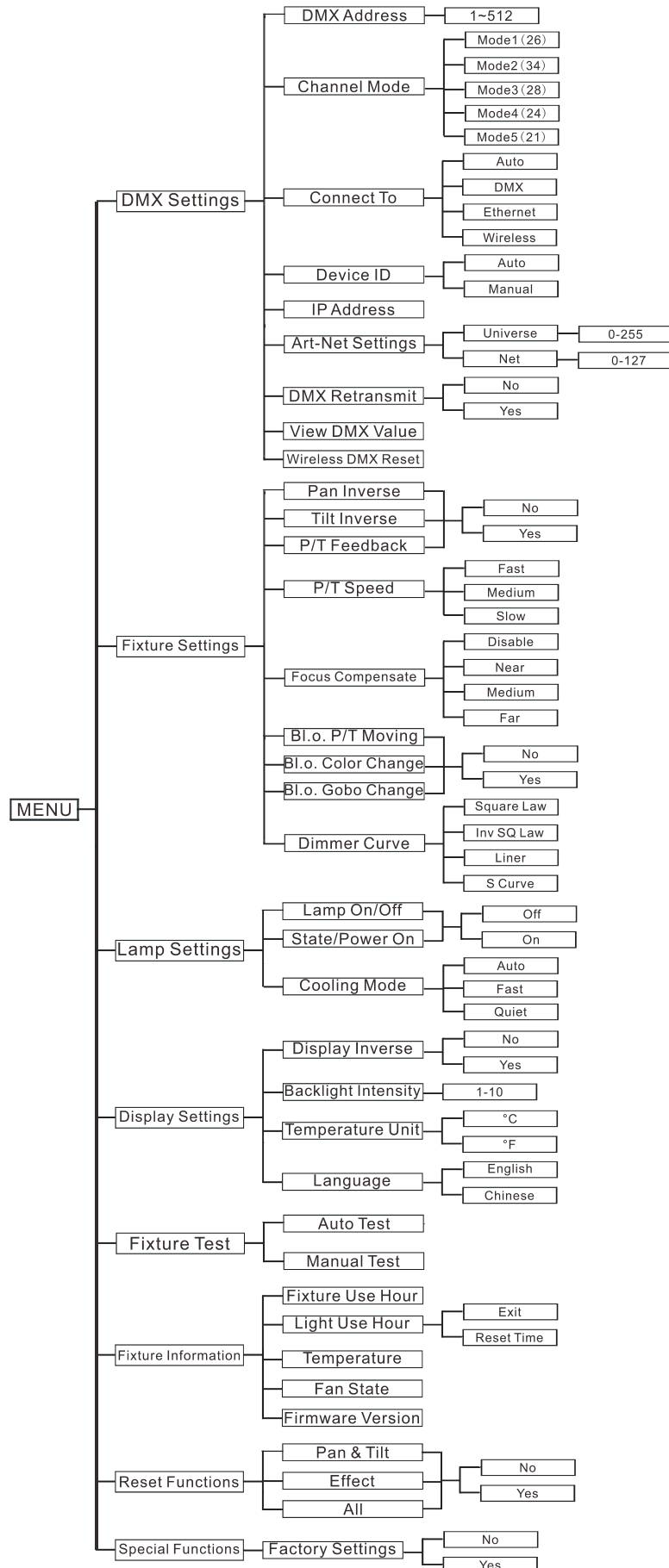
Attention: Damages caused by the failure to replace the bulb in time are not subject to warranty.

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 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**, **Channel Mode**, **Connect To**, **Device ID**, **IP Address**, **Art-Net Settings**, **DMX Retransmit**, **View DMX Value** or **Wireless DMX Reset**.

DMX Address

To select **DMX Address**, press the **ENTER** button to confirm. 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.

Channel Mode

To select **Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Mode1 (26)**, **Mode2 (34)**, **Mode3 (28)**, **Mode4 (24)**, or **Mode5 (21)**, 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.

Connect To

To select **Connect To**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Auto**, **DMX**, **Ethernet** or **Wireless**, 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.

Device ID

To select **Device ID**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Auto** or **Manual**, 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.

IP Address

To select **IP Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to set the IP address, 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.

Art-Net Settings

To select **Art-Net Settings**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Universe** or **Net**, 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 Retransmit

To select **DMX Retransmit**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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.

Wireless DMX Reset

To select **Wireless DMX Reset**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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 Settings

To select **Fixture Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan Inverse**, **Tilt Inverse**, **P/T Feedback**, **P/T Speed**, **Focus Compensate**, **Bl.o. P/T Moving**, **Bl.o. Color Change**, **Bl.o. Gobo Change** or **Dimmer Curve**.

Pan Inverse

To select **Pan Inverse**, 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 Inverse

To select **Tilt Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (tilt inverse), 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.

P/T Speed

To select **P/T Speed**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fast**, **Medium** or **Slow**, 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.

Focus Compensate

To select **Focus Compensate**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Disable**, **Near**, **Medium** or **Far**, 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.

Bl.o. P/T Moving

To select **Bl.o. P/T Moving**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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.

Bl.o. Color Change

To select **Bl.o. Color Change**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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.

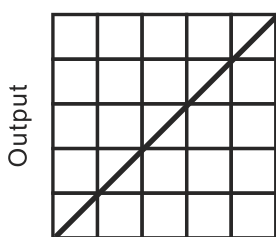
Bl.o. Gobo Change

To select **Bl.o. Gobo Change**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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.

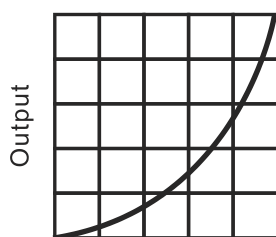
Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to confirm. Use the **DOWN/UP** button to select **Square Law**, **Inv SQ Law**, **Liner** 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.

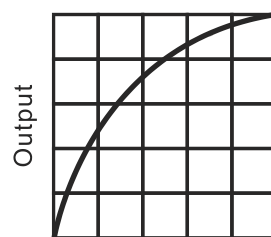
Dimmer Modes



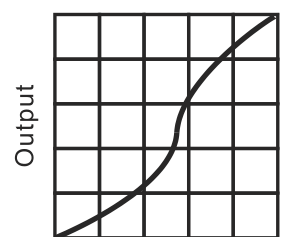
Optically Linear



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, State/Power On** or **Cooling Mode**.

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.

State/Power On

To select **State/Power On**, 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.

Cooling Mode

To select **Cooling Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Auto, Fast** or **Quiet**, 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 Inverse, Backlight Intensity, Temperature Unit** or **Language**.

Display Inverse

Select **Display Inverse**, 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 its functions. 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.

(All channels value will become 0 after exiting Manual Test menu)

Fixture Information

To select **Fixture Information**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Use Hour**, **Light Use Hour**, **Temperature**, **Fan State** or **Firmware Version**.

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.

Light Use Hour

Select **Light Use Hour**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Exit** or **Reset Time**, 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

Select **Temperature**, press the **ENTER** button to confirm, fixture temperature 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.

Reset Functions

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

Pan&Tilt

Select **Pan&Tilt**, 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

Select **Effect**, 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

Select **All**, 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 Settings

Select **Factory Settings**, 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 (26/34/28/24/21 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.

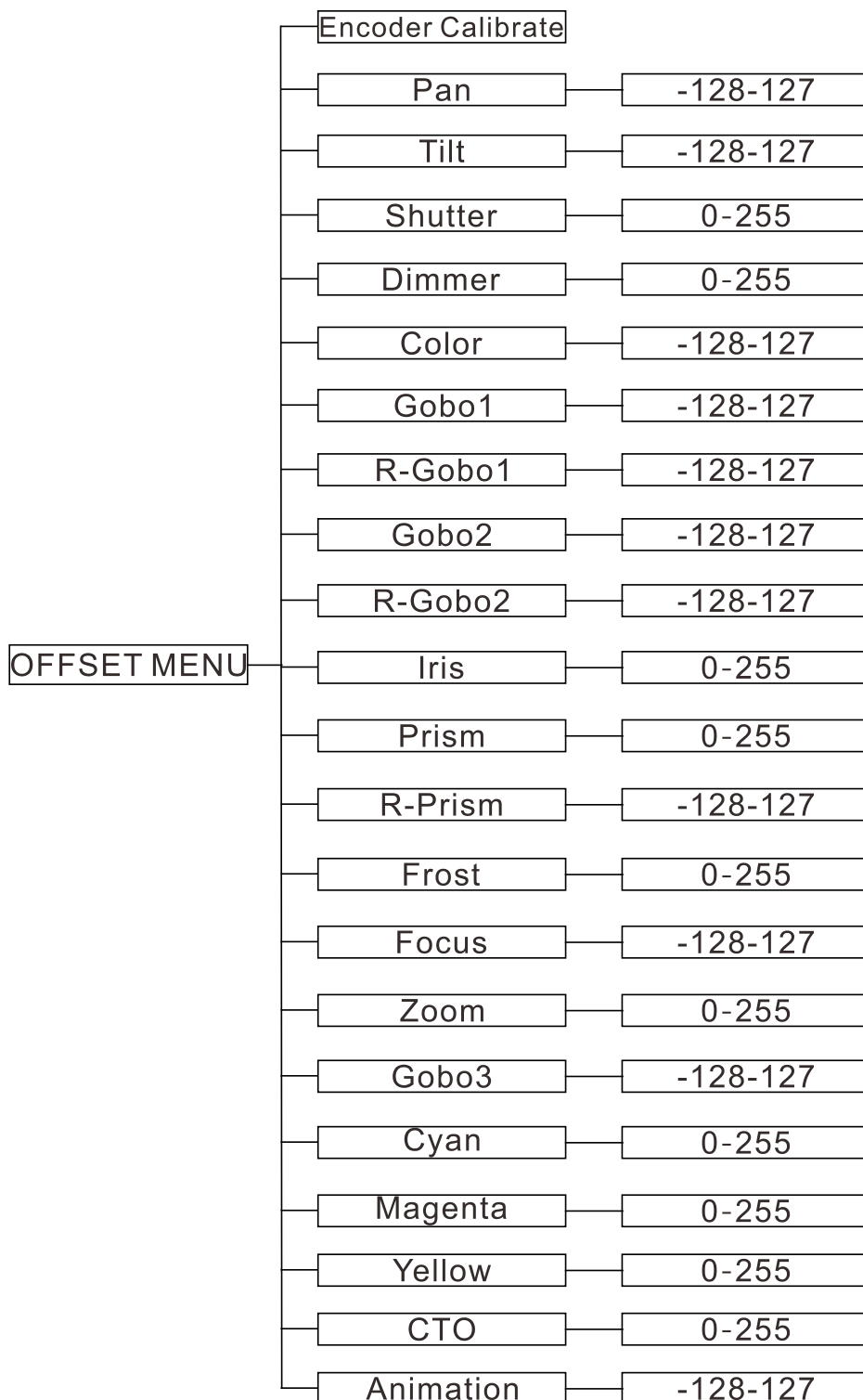
Select the PAN INVERT menu and the fixture will run the pan invert mode.

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.



Encoder Calibrate

Enter offset mode, Select **Encoder Calibrate**, press the **ENTER** button to confirm, the present position will blink on the display, press the **ENTER** button to confirm, the fixture will automatically calibrate the encoder.

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.

Shutter

Enter offset mode, Select **Shutter**, 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.

Dimmer

Enter offset mode, Select **Dimmer**, 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.

Gobo1

Enter offset mode, Select **Gobo1**, 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-Gobo1

Enter offset mode, Select **R-Gobo1**, 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.

Gobo2

Enter offset mode, Select **Gobo2**, 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-Gobo2

Enter offset mode, Select **R-Gobo2**, 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.

Iris

Enter offset mode, Select **Iris**, 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.

Prism

Enter offset mode, Select **Prism**, 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.

R-Prism

Enter offset mode, Select **R-Prism**, 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.

Zoom

Enter offset mode, Select **Zoom**, 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.

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 0 to 255, 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 0 to 255, 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 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

CTO

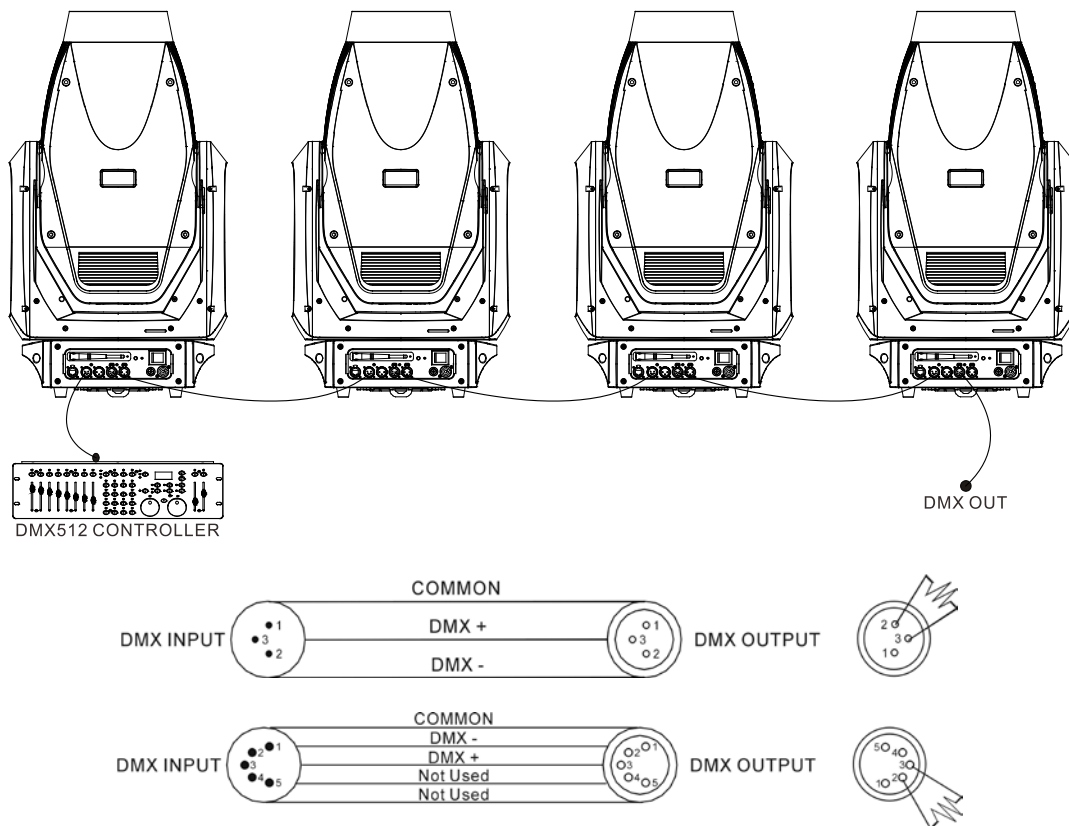
Enter offset mode, Select **CTO**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

Animation

Enter offset mode, Select **Animation**, 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
26 channels	1	27	53	79
34 channels	1	35	69	103
28 channels	1	29	57	85
24 channels	1	25	49	73
21 channels	1	22	43	64

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.

26 Channels (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-019	STROBE
	020-049	Close
	050-200	Open
	201-210	Strobe from Slow to Fast
	211-255	Open
2	000-255	Random Strobe
3	000-255	DIMMER
		0%→100%
4	000-255	CYAN
		0%→100%
5	000-255	MAGENTA
		0%→100%
6	000-255	YELLOW
		0%→100%
7	000-255	CTO
		6000K→3200K
7	000	COLOR
	001-014	Open
	015	White→Color1
	016-029	Color1
	030	Color1→Color2
	031-044	Color2
	045	Color2→Color3
	046-059	Color3
	060	Color3→Color4
	061-074	Color4
	075	Color4→Color5
	076-089	Color5
	090	Color5→Color6
	091-104	Color6
	105-140	Color6→White
	141-145	Open
	146-150	Color1
	151-155	Color2
	156-160	Color3
	161-165	Color4
	166-170	Color5
	171-185	Color6
	186-211	Open
	212-217	Clockwise Rotation, Fast to Slow
	218-243	Stop
	244-247	Counter-Clockwise Rotation, Slow to Fast
		Random Color: Fast

	248-251 252-255	Random Color: Medium Random Color: Slow
8	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	GOBO WHEEL 1 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
9	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 1 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
10	000-255	FINE GOBO WHEEL 1 ROTATION
11	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232	GOBO WHEEL 2 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow

	233-255	Counter-Clockwise Rotation, Slow to Fast
12	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 2 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
13	000-255	FINE GOBO WHEEL 2 ROTATION
14	000 001-009 010 011-019 020 021-029 030 031-039 040 041-049 050 051-059 060 061-069 070 071-079 080 081-089 090 091-099 100-110 111-115 116-120 121-125 126-135 136-140 141-145 146-150 151-155 156-160 161-189 190 191-219 220-226 227-229 230-232 233-235	GOBO WHEEL 3 Open White→Gobo1 Gobo1 Gobo1→Gobo2 Gobo2 Gobo2→Gobo3 Gobo3 Gobo3→Gobo4 Gobo4 Gobo4→Position1 Position1 Position1→Position2 Position2 Position2→Position3 Position3 Position3→Position4 Position4 Position4→Position5 Position5→White Open Gobo1 Gobo2 Gobo3 Gobo4 Position1 Position2 Position3 Position4 Position5 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Fast to Slow Stop Animation Effect1 Animation Effect2 Animation Effect3

	236-238 239-241 242-243 244-246 247-249 250-252 253-255	Animation Effect4 Animation Effect5 Animation Effect6 Animation Effect7 Random Gobo or Position Random Gobo Random Position
15	000-010 011-255	GOBO WHEEL 3 SPEED Stop Slow to Fast
16	000-0255	FROST 0%→100%
17	000-010 011-138 139-255	PRISM Null Prism Index Prism Rotation
18	000-002 003-126 127-129 130-253 254-255	PRISM ROTATION Stay at 0° position Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Stay at 45° position
19	000-255	IRIS 0%→100%
20	000-255	ZOOM 61°→9°
21	000-255	FOCUS 0%→100%
22	000-255	PAN 0°→540°
23	000-255	PAN FINE
24	000-255	TILT 0°→270°
25	000-255	TILT FINE
26	000-009 010-014 015-029 030-034 035 036-037 038-039 040-044 045-049	SPECIAL FUNCTION Null Reset All Reset Effect Reset Pan/Tilt Cooling Mode: Quiet Cooling Mode: Auto Cooling Mode: Fast Lamp On Lamp Off

	050-059	Null
	060-064	Dimmer Curve: Linear
	065-069	Dimmer Curve: Square Law
	070-074	Dimmer Curve: Inverse Square Law
	075-079	Dimmer Curve: S Curve
	080-084	Pan/Tilt Speed: Slow
	085-089	Pan/Tilt Speed: Fast
	090-104	Null
	105-109	Focus Compensate: Disable
	110-114	Focus Compensate: Near
	115-119	Focus Compensate: Medium
	120-124	Focus Compensate: Far
	125-126	Lamp Full Power
	127-134	Lamp Half Power
	135-255	Null

34 Channels (Mode 2):

CHANNEL	VALUE	FUNCTION
1	000-019	STROBE
	020-049	Close
	050-200	Open
	201-210	Strobe from Slow to Fast
	211-255	Open
2	000-255	Random Strobe
		DIMMER
		0%→100%
		DIMMER FINE
3	000-255	CYAN
		0%→100%
		MAGENTA
		0%→100%
		YELLOW
4	000-255	0%→100%
		CTO
		6000K→3200K
		COLOR
		Open
5	000-255	White→Color1
		Color1
		Color1→Color2
		Color2
		Color2→Color3
6	000-255	
7	000-255	
8	000	
	001-014	
	015	
	016-029	
	030	
	031-044	

	045 046-059 060 061-074 075 076-089 090 091-104 105-140 141-145 146-150 151-155 156-160 161-165 166-170 171-185 186-211 212-217 218-243 244-247 248-251 252-255	Color3 Color3→Color4 Color4 Color4→Color5 Color5 Color5→Color6 Color6 Color6→White Open Color1 Color2 Color3 Color4 Color5 Color6 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Random Color: Fast Random Color: Medium Random Color: Slow
9	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	GOBO WHEEL 1 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
10	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 1 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null

11	000-255	FINE GOBO WHEEL 1 ROTATION
12	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	GOBO WHEEL 2 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
13	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 2 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
14	000-255	FINE GOBO WHEEL 2 ROTATION
15	000 001-009 010 011-019 020 021-029 030 031-039 040 041-049 050 051-059 060 061-069 070 071-079 080	GOBO WHEEL 3 Open White→Gobo1 Gobo1 Gobo1→Gobo2 Gobo2 Gobo2→Gobo3 Gobo3 Gobo3→Gobo4 Gobo4 Gobo4→Position1 Position1 Position1→Position2 Position2 Position2→Position3 Position3 Position3→Position4 Position4

	081-089 090 091-099 100-110 111-115 116-120 121-125 126-135 136-140 141-145 146-150 151-155 156-160 161-189 190 191-219 220-226 227-229 230-232 233-235 236-238 239-241 242-243 244-246 247-249 250-252 253-255	Position4→Position5 Position5→White Open Gobo1 Gobo2 Gobo3 Gobo4 Position1 Position2 Position3 Position4 Position5 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Fast to Slow Stop Animation Effect1 Animation Effect2 Animation Effect3 Animation Effect4 Animation Effect5 Animation Effect6 Animation Effect7 Random Gobo or Position Random Gobo Random Position
16	000-010 011-255	GOBO WHEEL 3 SPEED Stop Slow to Fast
17	000-0255	FROST 0%→100%
18	000-010 011-138 139-255	PRISM Null Prism Index Prism Rotation
19	000-002 003-126 127-129 130-253 254-255	PRISM ROTATION Stay at 0° position Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Stay at 45° position
20	000-255	IRIS 0%→100%
21	000-255	ZOOM 61°→9°

22	000-255	ZOOM FINE
23	000-255	FOCUS 0%→100%
24	000-255	FOCUS FINE
25	000-255	PAN 0°→540°
26	000-255	PAN FINE
27	000-255	TILT 0°→270°
28	000-255	TILT FINE
29	000-009 010-014 015-029 030-034 035 036-037 038-039 040-044 045-049 050-059 060-064 065-069 070-074 075-079 080-084 085-089 090-104 105-109 110-114 115-119 120-124 125-126 127-134 135-255	SPECIAL FUNCTION Null Reset All Reset Effect Reset Pan/Tilt Cooling Mode: Quiet Cooling Mode: Auto Cooling Mode: Fast Lamp On Lamp Off Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inverse Square Law Dimmer Curve: S Curve Pan/Tilt Speed: Slow Pan/Tilt Speed: Fast Null Focus Compensate: Disable Focus Compensate: Near Focus Compensate: Medium Focus Compensate: Far Lamp Full Power Lamp Half Power Null
30	000-009 010-019 020-124 125-132 133-236 237-255	ANIMATION Stop Animation Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Stop
31		RESERVED

32		RESERVED
33		RESERVED
34		RESERVED

28 Channels (Mode 3):

CHANNEL	VALUE	FUNCTION
1	000-255	DIMMER 0%→100%
2	000-255	PAN 0°→540°
3	000-255	PAN FINE
4	000-255	TILT 0°→270°
5	000-255	TILT FINE
6		RESERVED
7	000-255	ZOOM 61°→9°
8	000-255	CTO 6000K→3200K
9	000-255	CYAN 0%→100%
10	000-255	MAGENTA 0%→100%
11	000-255	YELLOW 0%→100%
12	000 001-014 015 016-029 030 031-044 045 046-059 060 061-074 075 076-089 090	COLOR Open White→Color1 Color1 Color1→Color2 Color2 Color2→Color3 Color3 Color3→Color4 Color4 Color4→Color5 Color5 Color5→Color6 Color6

	091-104 105-140 141-145 146-150 151-155 156-160 161-165 166-170 171-185 186-211 212-217 218-243 244-247 248-251 252-255	Color6→White Open Color1 Color2 Color3 Color4 Color5 Color6 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Random Color: Fast Random Color: Medium Random Color: Slow
13	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	GOBO WHEEL 1 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
14	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 1 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
15	000-255	FINE GOBO WHEEL 1 ROTATION
16	000-009 010-014 015-019 020-024	GOBO WHEEL 2 Open Gobo1 Gobo2 Gobo3

	025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
17	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 2 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
18	000-255	FINE GOBO WHEEL 2 ROTATION
19	000 001-009 010 011-019 020 021-029 030 031-039 040 041-049 050 051-059 060 061-069 070 071-079 080 081-089 090 091-099 100-110 111-115 116-120 121-125	GOBO WHEEL 3 Open White→Gobo1 Gobo1 Gobo1→Gobo2 Gobo2 Gobo2→Gobo3 Gobo3 Gobo3→Gobo4 Gobo4 Gobo4→Position1 Position1 Position1→Position2 Position2 Position2→Position3 Position3 Position3→Position4 Position4 Position4→Position5 Position5→White Open Gobo1 Gobo2 Gobo3 Gobo4

	126-135 136-140 141-145 146-150 151-155 156-160 161-189 190 191-219 220-226 227-229 230-232 233-235 236-238 239-241 242-243 244-246 247-249 250-252 253-255	Position1 Position2 Position3 Position4 Position5 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Fast to Slow Stop Animation Effect1 Animation Effect2 Animation Effect3 Animation Effect4 Animation Effect5 Animation Effect6 Animation Effect7 Random Gobo or Position Random Gobo Random Position
20	000-010 011-255	GOBO WHEEL 3 SPEED Stop Slow to Fast
21		RESERVED
22	000-255	IRIS 0%→100%
23	000-019 020-049 050-200 201-210 211-255	STROBE Close Open Strobe from Slow to Fast Open Random Strobe
24	000-255	FOCUS 0%→100%
25		RESERVED
26		RESERVED
27		RESERVED
28	000-009 010-014 015-029 030-034 035 036-037	SPECIAL FUNCTION Null Reset All Reset Effect Reset Pan/Tilt Cooling Mode: Quiet Cooling Mode: Auto

	038-039 040-044 045-049 050-059 060-064 065-069 070-074 075-079 080-084 085-089 090-104 105-109 110-114 115-119 120-124 125-126 127-134 135-255	Cooling Mode: Fast Lamp On Lamp Off Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inverse Square Law Dimmer Curve: S Curve Pan/Tilt Speed: Slow Pan/Tilt Speed: Fast Null Focus Compensate: Disable Focus Compensate: Near Focus Compensate: Medium Focus Compensate: Far Lamp Full Power Lamp Half Power Null
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24 Channels (Mode 4):

CHANNEL	VALUE	FUNCTION
1	000-019	STROBE
	020-049	Close
	050-200	Open
	201-210	Strobe from Slow to Fast
	211-255	Open
2	000-255	Random Strobe
3	000-255	DIMMER 0%→100%
4	000-255	CYAN 0%→100%
5	000-255	MAGENTA 0%→100%
6	000-255	YELLOW 0%→100%
7	000-014 015-029 030	CTO 6000K→3200K
		COLOR Open White→Color1 Color1 Color1→Color2 Color2

	031-044 045 046-059 060 061-074 075 076-089 090 091-104 105-140 141-145 146-150 151-155 156-160 161-165 166-170 171-185 186-211 212-217 218-243 244-247 248-251 252-255	Color2→Color3 Color3 Color3→Color4 Color4 Color4→Color5 Color5 Color5→Color6 Color6 Color6→White Open Color1 Color2 Color3 Color4 Color5 Color6 Open Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Random Color: Fast Random Color: Medium Random Color: Slow
8	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-074 075-089 090-104 105-119 120-134 135-149 150-164 165-179 180-194 195-209 210-232 233-255	GOBO WHEEL 1 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Gobo1 Shaking Gobo2 Shaking Gobo3 Shaking Gobo4 Shaking Gobo5 Shaking Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast

9	000-002	GOBO WHEEL 1 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
	003-125	
	126-128	
	129-252	
	253-255	
10	000-255	FINE GOBO WHEEL 1 ROTATION
11		GOBO WHEEL 2
	000-009	Open
	010-014	Gobo1
	015-019	Gobo2
	020-024	Gobo3
	025-029	Gobo4
	030-034	Gobo5
	035-039	Gobo1 Rotation
	040-044	Gobo2 Rotation
	045-049	Gobo3 Rotation
	050-054	Gobo4 Rotation
	055-059	Gobo5 Rotation
	060-074	Gobo1 Shaking, Slow to Fast
	075-089	Gobo2 Shaking, Slow to Fast
	090-104	Gobo3 Shaking, Slow to Fast
	105-119	Gobo4 Shaking, Slow to Fast
	120-134	Gobo5 Shaking, Slow to Fast
	135-149	Gobo1 Shaking
	150-164	Gobo2 Shaking
	165-179	Gobo3 Shaking
	180-194	Gobo4 Shaking
	195-209	Gobo5 Shaking
	210-232	Clockwise Rotation, Fast to Slow
	233-255	Counter-Clockwise Rotation, Slow to Fast
12	000-002	GOBO WHEEL 2 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
	003-125	
	126-128	
	129-252	
	253-255	
13	000-255	FINE GOBO WHEEL 2 ROTATION
14	000	PRISM Open
	001-175	Frost 0%→100%
	176-183	Effect1, Index
	184-191	Effect2, Index
	192-199	Effect1, Rotation
	200-207	Effect2, Rotation

	208-215 216-220 221-225 226-230 231-235 236-240 241-245 246-250 251-255	Open Built-in Effect1 Built-in Effect2 Built-in Effect3 Built-in Effect4 Built-in Effect5 Built-in Effect6 Built-in Effect7 Built-in Effect8
15	000-002 003-125 126-128 129-252 253-255	PRISM ROTATION Null Counter-Clockwise Rotation, Slow to Fast Null Clockwise Rotation, Fast to Slow Null
16	000-255	IRIS 0%→100%
17	000-255	FOCUS 0%→100%
18	000-255	ZOOM 61°→9°
19	000-255	PAN 0°→540°
20	000-255	PAN FINE
21	000-255	TILT 0°→270°
22	000-255	TILT FINE
23	000-002 003-251 252-255	PAN/TILT SPEED Null Fast to Slow Null
24	000-002 003-251 252-255	CMY SPEED Null Fast to Slow Null

21 Channels (Mode 5):

CHANNEL	VALUE	FUNCTION
1	000-019	STROBE
	020-049	Close
	050-200	Open
	201-210	Strobe from Slow to Fast
	211-255	Open
2	000-255	Random Strobe
3	000-255	DIMMER
		0%→100%
		COLOR
		Open
		White→Color1
		Color1
		Color1→Color2
		Color2
		Color2→Color3
		Color3
		Color3→Color4
		Color4
		Color4→Color5
		Color5
		Color5→Color6
		Color6
		Color6→White
		Open
		Color1
		Color2
		Color3
		Color4
		Color5
		Color6
		Open
		Clockwise Rotation, Fast to Slow
		Stop
		Counter-Clockwise Rotation, Slow to Fast
		Random Color: Fast
		Random Color: Medium
		Random Color: Slow
4		RESERVED
5	000-009 010-014 015-019 020-024	GOBO WHEEL 1
		Open
		Gobo1
		Gobo2
		Gobo3

	025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
6	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 1 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null
7	000-255	FINE GOBO WHEEL 1 ROTATION
8	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-089 090-119 120-149 150-179 180-209 210-232 233-255	GOBO WHEEL 2 Open Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo1 Rotation Gobo2 Rotation Gobo3 Rotation Gobo4 Rotation Gobo5 Rotation Gobo1 Shaking, Slow to Fast Gobo2 Shaking, Slow to Fast Gobo3 Shaking, Slow to Fast Gobo4 Shaking, Slow to Fast Gobo5 Shaking, Slow to Fast Clockwise Rotation, Fast to Slow Counter-Clockwise Rotation, Slow to Fast
9	000-002 003-125 126-128 129-252 253-255	GOBO WHEEL 2 ROTATION Null Counter-Clockwise Rotation, Fast to Slow Null Clockwise Rotation, Slow to Fast Null

10	000-255	FINE GOBO WHEEL 2 ROTATION
11	000-175 176-199 200-255	FROST/PRISM Frost Rotation Prism Index
12	000-002 003-126 127-129 130-253 254-255	PRISM ROTATION Stay at 0° Position Clockwise Rotation, Fast to Slow Stop Counter-Clockwise Rotation, Slow to Fast Stay at 45° Position
13	000-255	IRIS 0%→100%
14	000-255	FOCUS 0%→100%
15	000-255	ZOOM 61°→9°
16	000-255	PAN 0°→540°
17	000-255	PAN FINE
18	000-255	TILT 0°→270°
19	000-255	TILT FINE
20	000-255	PAN/TILT SPEED Fast to Slow
29	000-009 010-014 015-029 030-034 035 036-037 038-039 040-044 045-049 050-059 060-064 065-069 070-074 075-079 080-084 085-089 090-104 105-109	SPECIAL FUNCTION Null Reset All Reset Effect Reset Pan/Tilt Cooling Mode: Quiet Cooling Mode: Auto Cooling Mode: Fast Lamp On Lamp Off Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inverse Square Law Dimmer Curve: S Curve Pan/Tilt Speed: Slow Pan/Tilt Speed: Fast Null Focus Compensate: Disable

	110-114 115-119 120-124 125-126 127-134 135-255	Focus Compensate: Near Focus Compensate: Medium Focus Compensate: Far Lamp Full Power Lamp Half Power Null

7. 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 and main fuse.
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.

8. 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 and the internal optical lens every 30 days.

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