LIGHT SKY®

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SUPER SCOPE PLUS

LIGHT SKY®

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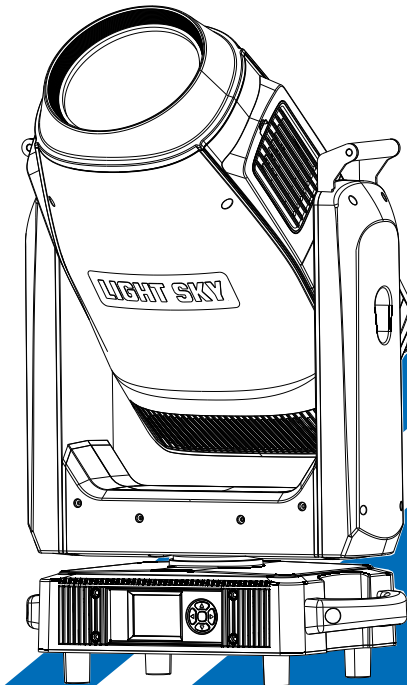
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LIGHT SKY®

User Manual
Please read the instruction carefully before use

CONTENTS

Congratulations on choosing our company product! We thank you for your custom.

◆Please note that this product, as all the others in the rich my company range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.

◆Carefully read this user manual in its entirety and keep it safe for future reference.It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced correctly and safely.

◆My company disclaims all liability for damage to the fitting or to other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this user manual, which must always accompany the fitting.

◆My company reserves the right to modify the characteristics stated in this user manual at any time and without prior notice.

1.Safety Instructions

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

WARNING

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

The following symbols are used to identify important safety information on the product and in this manual:

DANGER！	DANGER！	DANGER！	Warning！	Warning！	Warning！	Warning！	Avoid direct
Safety hazard. Risk of severe injury or death.	Refer to manual before installing, powering or servicing.	Hazardous voltage.Risk of severe or lethal electric shock.	Fire hazard.	Burn hazard. Hot surface. not touch. Do not touch	Risk of eye injury.Safety glasses must be worn.	Risk of hand injury. Safety gloves must be worn.	eye contact

Applies only to luminaires directly mounted on surfaces of non-combustible materials	Do not discard Trash can	Mark of ground	Replace all shatter shields	Take a short distance from the object to be photographed (meters)	Rated maximum ambient temperature	Indoor use only	Do not point the lens towards the sun or strong light	Operation not allowed during runtime

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.

► The light source in this luminaire should be replaced by the manufacturer or its service agent or a similarly qualified person, always cut off the power supply before replacing he light source.

► Do not allow children to operate the fixture.

► The unit must be installed in a location with adequate ventilation, at least 20cm 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℃. Maximum ambient temperature Ta: 40℃. Do not operate this product at a lower or higher temperature.

► Do not connect the device to any dimmer pack.

► When the lamp is running, do not place combustible objects next to it. The shortest distance between the device and inflammable and explosive objects or materials is 0.5m.

► Make sure the power cord is not crimped or damaged; replace it immediately if damaged.

► Unit's surface temperature may reach up to 80℃. Do not touch the housing bare-handedduring 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 3 meters.

► 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.

► Avoid direct eye exposure to the light source while the product is on.

► 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

OPTICS

- Light source: ☐880W white LED module   ☐1000W white LED module

- Zoom range: 5.5° -52 °

- Optical lens: coated with high anti-reflection film, diameter 180mm

- Color temperature: 6800 K

- Color rendering index: RA≥71 / RA≥90 (cut into high display filter).

- Total light output flux: ☐ 880W：40000 Lm ☐ 1000W：41000 Lm

COLOR

- CMY infinite color mixing

- CTO color temperature linear adjustment (2800K-6800K).

- 6 color chips+white light, can achieve bidirectional color rainbow, dual color step gradient (linear movement), color wheel bidirectional rotation, random color mode

PATTERN

- 2 rotating gobo wheels, 14 glass gobo pieces, the overlay effect is full of dynamics, pluggable and replaceable, and can realize the effects of rotation, flowing water and shaking.

- Rotary disk A: 7 kinds of glass patterns + white circle, the outer diameter of the gobo is 26.9mm, and the inner diameter of the gobo is 21.5mm.

- Rotary disc B: 7 kinds of glass patterns + white circle, the outer diameter of the gobo is 26.9mm, and the inner diameter of the gobo is 21.5mm.

- Dynamic effect plate

- Eight-way cutting: 4 gratings to achieve fast and smooth cutting, eight cutting directions and angles can be controlled separately, each single piece can achieve complete light closure,The whole cutting module can be rotated by ±55°.

EFFECT

- Four prisms + four rows of mirrors, can rotate in two directions, can be switched independently, can be superimposed

- Heavy atomization + light atomization, can be switched independently, can be superimposed

- With electric aperture, 5-100% linear adjustment, with macro function multi effect change

- Electronic dimming, 0-100% linear dimming, uniform spot

- Electronic strobe speed is 1-25 times/S

- LED refresh frequency: 1000Hz ~ 25KHz

CONTROL AND PROGRAMMING

- Control channels: 43CH, 55CH

- Protocol: Standard DMX512 protocol, RDM protocol, Art-Net (optional)

- Data connection: three or five core signal input/output

- RJ45 interface (optional)

- Display: LCD screen

SOFTWARE

- Upgrade software via DMX signal or USB interface

- Silent fan, three operating modes (highlight/mute/super mute)

- Intelligent temperature control to ensure LED life

X/Y ANGLE OF MOTION

- X-axis: 540° 8bit/16bit precision scan

- Y-axis: 270° 8bit/16bit precision scan

POWER

- Input voltage: AC 100-240V 50/60Hz

- Maximum power：

☐ 880W light source: 1280W   ☐ 1000W light source: 1400W

- Power factor: 0.996

SIZE & WEIGHT

- Lighting Size ： 442mm×258mm×788mm

- Box Size ： 520mm×370mm×870mm

- N.W.：37.5kg，G.W.：42.6kg

- Flycase Size（1 set）：660X520X840mm

- N.W.：37.5kg，G.W.：71.0kg

OTHERS

- IP rate : IP20

- Working Ambient : 0℃~ 40 ℃

- Maximum temperature of lamp body surface: 80 ℃

- Maximum current of luminaire:

   ☐ 800W light source: 6.4A/220V; 12.8A/110V

   ☐ 1000W light source:7A/220V; 14A / 110 V

STANDARDS AND CERTIFICATION

- The product implementation standard: GB 7000.1-2015 GB7000. 217-2008

- Approved certifications: CE、RoHs

- The product complies with the following EU directives:

   Low Voltage Directive 2014/35/EU . EMC Directive 2014/30/EU

880W illumination diagram

Distance(m)	10	15	20	30	50
5.5° Lux	27700	12500	7000	3100	1100
Diameter(m)	1.03	1.55	2.06	3.09	5.15
52° Lux	460	200	110	50	20
Diameter(m)	10.08	15.12	20.16	30.24	50.4

1000W illumination diagram

Distance(m)	10	15	20	30	50
5.5° Lux	28300	12600	7100	3200	1200
Diameter(m)	1.03	1.55	2.06	3.09	5.15
52° Lux	460	200	110	50	20
Diameter(m)	10.08	15.12	20.16	30.24	50.4
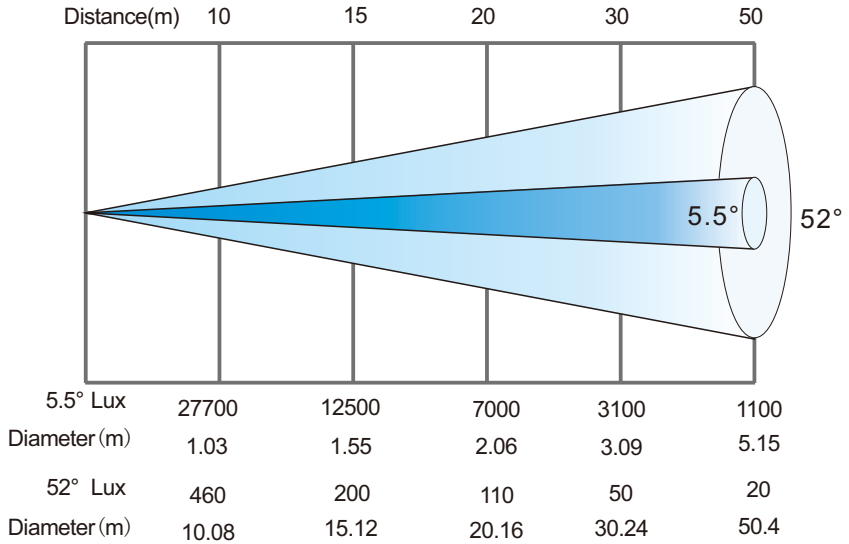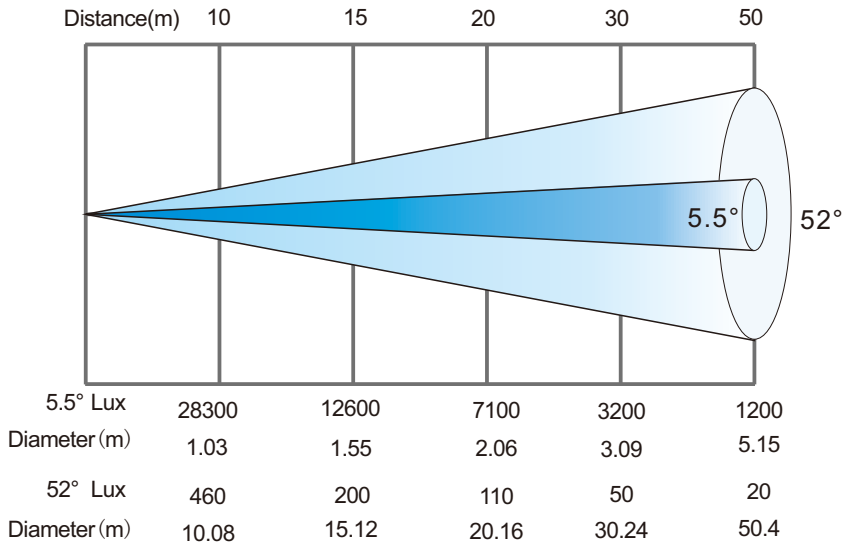
2.1.Attachment And Size

Attachment contents-Fig.1

USER MANUAL	WARRANTY CARD	Certificate of conformity	FAST LOCK	POWER CORD	DMX CABLE	SAFETY CORD
x1	x1	x1	x2	x1	x1	x2

Size-Fig.2

440
430
554
649
788
442

554
282
258

φ180
282
614
639
498
639

TILT=0 DMX
255 DMX
0 DMX
TILT LOCK
Display
Power cord
PAN DMX=0

TILT=128 DMX
TILT LOCK
Display
Power cord
PAN DMX=0

TILT=255 DMX
TILT LOCK
Display
Power cord
PAN DMX=0

PAN=0 DMX
255 DMX
Power cord
0 DMX
Display
TILT=41 DMX

PAN=128 DMX
TILT LOCK Power cord
Display
TILT=41 DMX

PAN=255 DMX
Power cord
Display
TILT=41 DMX

3.Color/pattern

CMY

Color plate
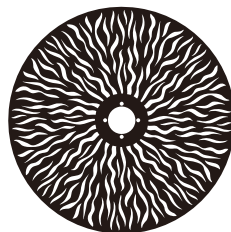
Effect disc
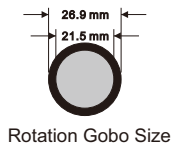
Drawing Number	Part Number
FG2073B	C0700780008
FG2064D	C0700780016
FG1630B	C0700780010
FG2101B	C0700780011
FG2071B	C0700780012
FG2102B	C0700780013
FG2105B	C0700780014

26.9 mm
21.5 mm
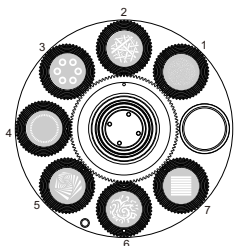
Rotation Gobo Size
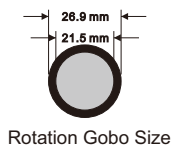
Rotating gobo wheel A

Drawing Number	Part Number
FG2171A	C0700780017
FG2318	C0700780018
FG2319	C0700780019
FG2320	C0700780020
FG2233A	C0700780021
FG2234A	C0700780022
FG2236A	C0700780023

26.9 mm
21.5 mm

Rotation Gobo Size

Rotating gobo wheel B

DANGER!
Install the rotating gobos with the device switched of f only.
Unplug from mains before changing the rotating gobos!

3.1.Replacing Rotating Gobos

1. Use a screwdriver to unscrew the two screws at **A** to take out the pattern color module assembly;

A
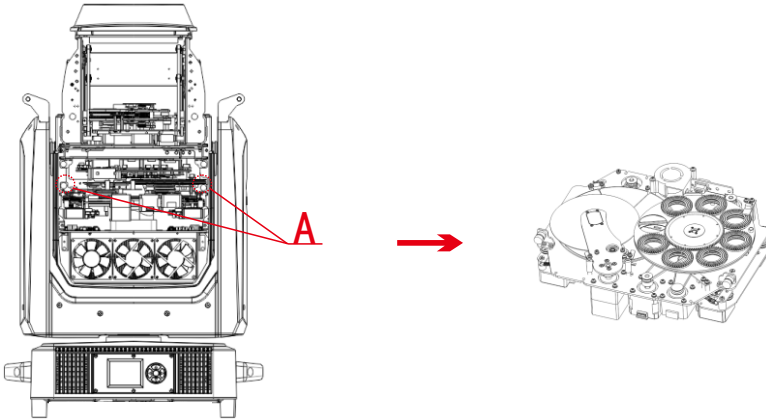
2. Reverse the assembly, and use a screwdriver to unscrew the four screws at **B** to separate the pattern color module from the CMY module;

B
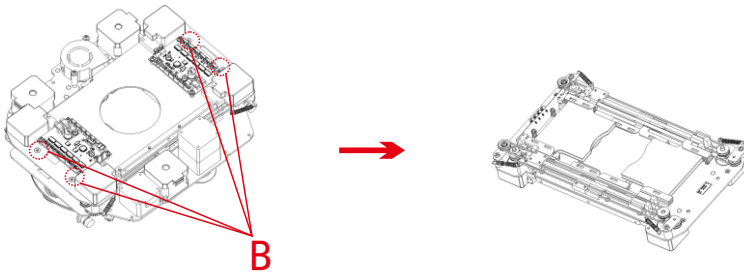
3. Use a screwdriver from the front of the pattern module to unscrew the two screws of the magnetic induction board at **C**, and remove the magnetic induction board; then half loosen the screws on the three motors at **D**, move the motor and take off the belt; turn the pattern module back Come here, unscrew the four screws at **E** with a screwdriver, and you can take out the rotating gobo and fixed gobo assembly (as shown in Figure **F**, the front is the rotating gobo, and the back is the fixed gobo)
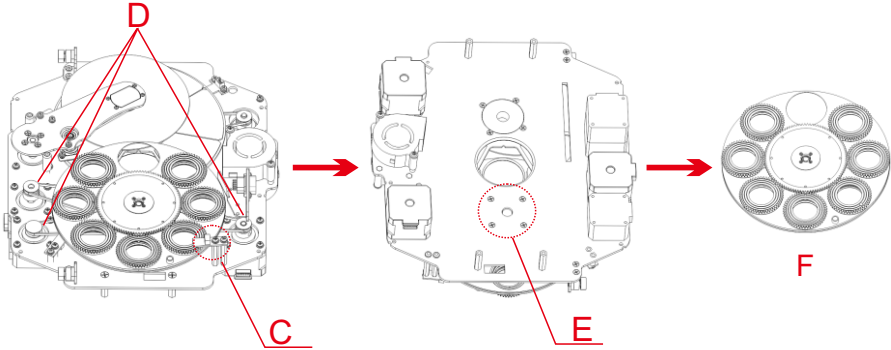
4. As shown in **G**, gently lift the gobo driven wheel from the edge upwards from the back of the gobo wheel and pull it out slowly to take out a single gobo;
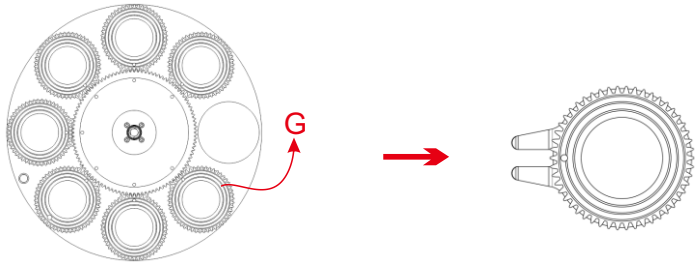
5.Take out the circlip at **H** with tweezers or other small objects that can be held (if the gobo is coated with glass glue for fixing, please use a professional cleaning agent to remove the glass glue and then take out the circlip to avoid damage to the gobo);
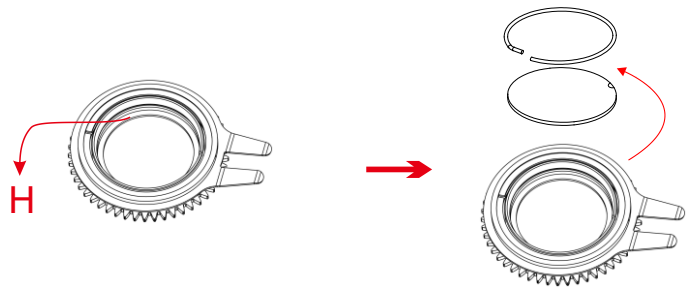
6. When assembling the gobo, avoid touching the gobo directly with your hands, and as shown in I, align the notched part of the gobo with the depression of the driven wheel assembly (the coating surface of the gobo should face the light source);
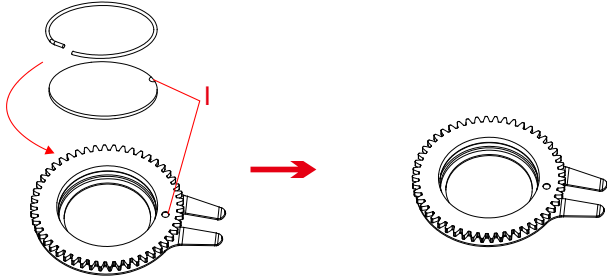
7. Insert the gobo driven wheel into the driving wheel assembly, as shown in J, the concave point of the gobo driven wheel must be positioned towards the center of the driving wheel;
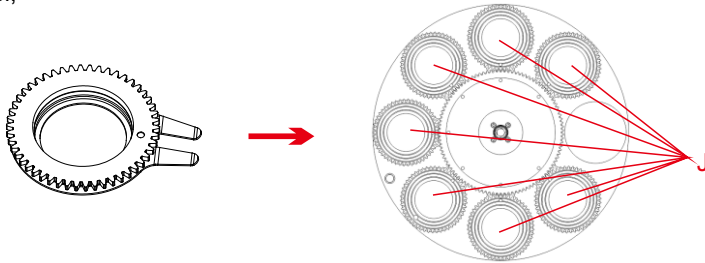
8.After installation, put the component back to the fixture.

4.Control Panel
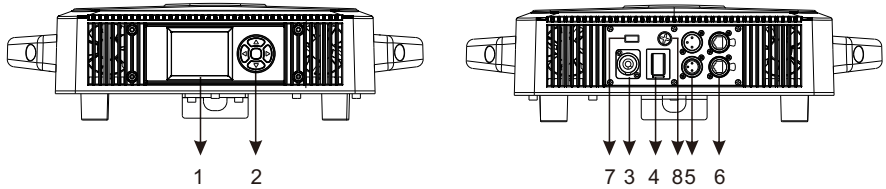
1. Display: To show the various menus and the selected function

2. Button:

●	OK confirmation key
▲	UP
▼	DOWN
◀	To the left
▶	To the right

3. Socket version power input: connect the power supply.

4. Power switch: To turn on/of f the power.

5.DMX inputloutput: Used for DMX512 connection, use 3/5 core XLR signal cable
toconnect console and lamps,And input/output DMX signal.

6.Art-net: The information of the lamp can be transmitted to the main controllerthrough
the network cable, and the lamp can be controlled through RJ45(optional).

7.Firmware upgrade: Used to upgrade the fixture's firmware.

8.FUSE:6A.

5.Connection and control

5.1.Power supply connection

L(Black/Brown)　　N(White/Blue)

(Green/Yellow Green)

POWER IN

The ground wire is connected to the yellow-green wire

The N terminal is connected with the blue line.

The L terminal is connected with the brown line.

Watertight seal ring

Watertight seal ring
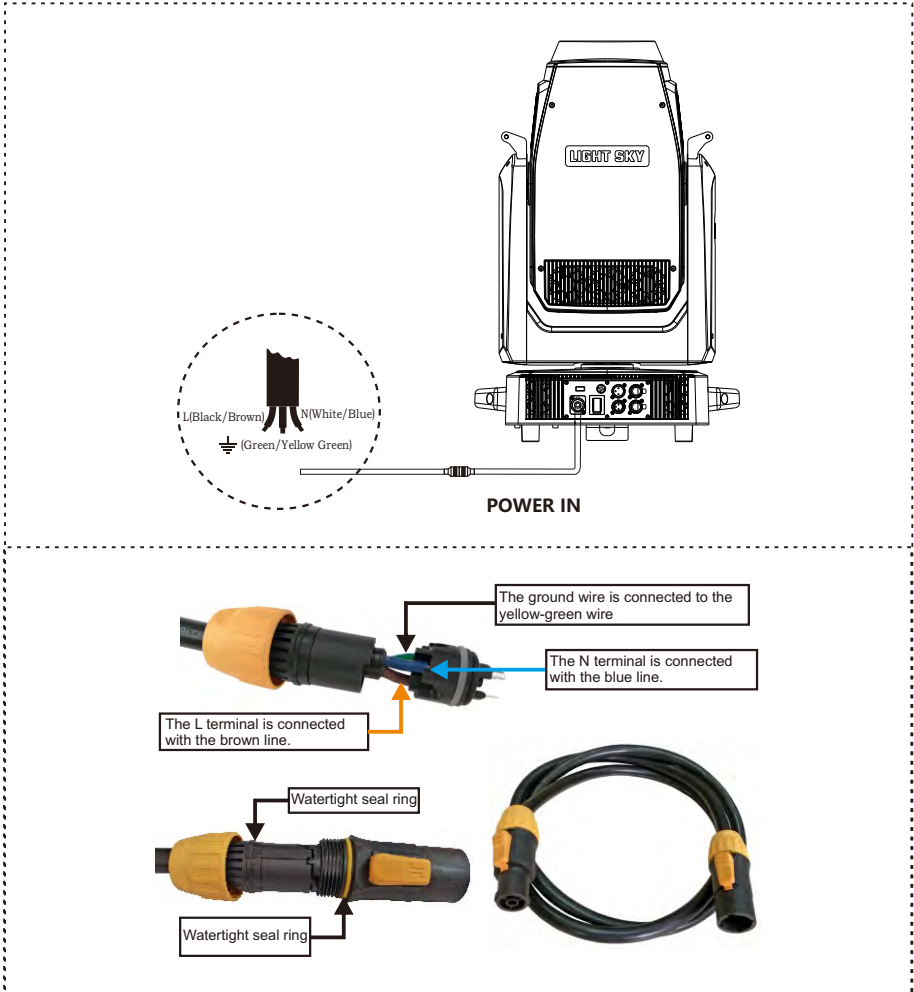
- The bus connecting the power supply must be installed by a qualified professional technician.
- After completing all the above operations and ensuring that it is installed, you can power on the lamp to operate.

5.2.DMX 512 Connection

DMX512 in   out   in   out   in   SIGNAL END

DMX-input

1 - Shield
2 - Signal (-)
3 - Signal (+)
4 - Not connected
5 - Not connected

DMX - output

1 - Shield
2 - Signal (-)
3 - Signal (+)
4 - Not connected
5 - Not connected
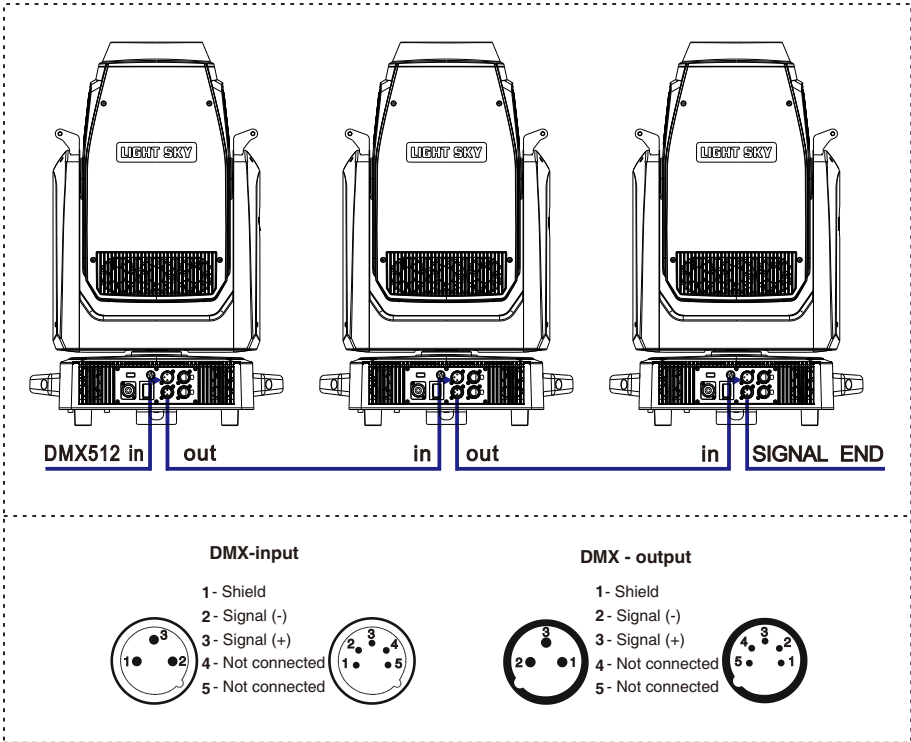
1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120Ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

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 cannot be branched or split to a "Y" cable. 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.How To Set The Unit

6.1.Main Function

● SETTINGS

Enter the MENU mode, select the setting function, press the OK button to confirm, use the up/down button to select: address code, channel mode, input mode.

Address code:

Select the DMX address, press the OK button to confirm, and the current DMX address will be displayed on the display. Use the left/right button to select 001~512 address, press the OK button to save. Press the left/right button to return to the previous menu.

Channel mode:

Select channel mode, press OK button to confirm, use up/down button to select channel mode: standard mode, extended mode, press OK button to save. Press the left/right button to return to the previous menu.

Input mode:

Select input mode, press OK button to confirm, use up/down button to select input mode: DMX512, press OK button to save. Press the left/right button to return to the previous menu.

● DEVICE INFORMATION

Enter the MENU mode, select the device information function, press the OK button to confirm, use the up/down button to select: device time, device temperature, RDM information, device channel, version information, fan information.

Device time:

Select the device time, press the OK button to confirm, you can view the device: power-on time, lighting time, total time. Press the left/right button to return to the previous menu.

Device temperature:

Select the device temperature, press the OK button to confirm, you can view the device: LED temperature, driver board temperature. Press the left/right button to return to the previous menu.

RDM information:

Select RDM information, press the OK button to confirm, and you can view the device: UID. Press the left/right button to return to the previous menu.

Device channel:

Select the device channel, press the OK button to confirm, use the up and down keys to view the channel in the current channel mode of the device, and press the left/right button to return to the previous menu.

Version Information:

Select the version information, press the OK button to confirm, and use the up and down keys to view the PCB version of the device: display board, XY board, CMY module, pattern module, cutting board 1, cutting board 2, scaling module, light source fan driver board, bottom fan board, etc. information. Press the left/right button to return to the previous menu

Fan information:

Select the fan information, press the OK button to confirm, use the up and down keys to view the equipment: tail inlet fan, tail outlet fan, pattern fan, cutting fan, focus fan, bottom box fan 1, bottom box fan 2, tail inlet fan 1, tail fan Inlet fan 2, tail inlet fan 3, tail outlet fan 1, tail outlet fan 2, tail outlet fan 3, cutting fan, CMY fan, pattern fan, focusing fan 1, focusing fan 2 and other fan operation information. Press the OK button to return to the previous menu.

● **PERSONALIZATION**

Enter the MENU mode, select the Personality setting function, press the OK button to confirm, use the up/down button to select: XY axis, noise mode, display setting, dimming curve, Led frequency setting, zoom reverse setting.

XY axis:

Select the XY axis, press the OK button to confirm, you can use the up and down keys to select: XY exchange, X axis reverse, Y axis reverse, press the OK key to enter the next menu, select: on/off, press the OK key to confirm and exit, Then press the left/right button to return to the previous menu.

Noise pattern:

Select the noise mode, press the OK button to confirm, you can use the up and down keys to select: ultra-quiet mode, silent mode, highlight mode (default), and then press the left/right button to return to the previous menu.

Display setting:

Select display settings, press the OK button to confirm, you can use the up and down keys to select: language selection, backlight time, backlight adjustment, screen rotation, press the OK button to enter the next menu. Select language selection, use the up and down keys to select: Chinese/English, press the OK key to confirm and exit; select the backlight time (the screen backlight time can be adjusted), use the up and down keys to select: constant light/automatic 30S, press the OK key to confirm and exit; select Backlight adjustment (screen brightness can be adjusted): Press the left and right keys to select any value between 0 and 100, press the OK key to confirm and exit; select screen rotation, use the up and down keys to select: normal / rotate 180° / automatic, press the OK key to confirm and exit; then press the left/right button to return to the previous menu.

Dimmer Modes

Optically Linear   Square Law   Inverse Square Law   S-curve
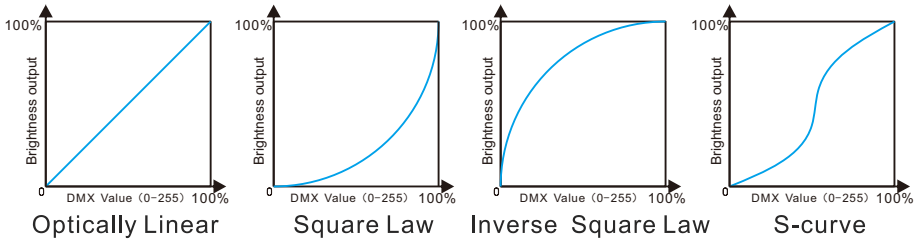
LED frequency setting:

Select the Led frequency setting, press the OK button to confirm, you can use the up and down keys to select: 1000 Hz, 3600 Hz, 7200 Hz, 25000 Hz, press the OK key to confirm, and then press the left/right button to return to the previous menu.

Zoom inverse settings:

Select zoom reverse setting, press the OK button to confirm, you can use the up and down keys to select: off, on, press the OK key to confirm, and then press the left/right button to return to the previous menu.

● MANUAL

Enter the MENU mode, select the manual function, press the middle square button to confirm, use the up/down button to select: manual control, reset.

Manual control:

Select manual control, press the OK button to confirm entry, you can use the up and down keys to select each channel, press the left and right keys to adjust the value of the selected channel, and then press the OK button to return to the previous menu.

Reset:

Select reset, press the OK button to confirm, you can use the up and down keys to select: machine reset, XY reset, pattern reset, color reset, cutting reset, focus reset, effect disk reset, press the OK button to confirm, then press the left/right button to return Go to the previous menu.

● Test equipment

Enter the MENU mode, select the Test Equipment function, press the middle square button to confirm, use the up/down button to select: All Test, XY Test, Head Test.

All tests:

Select all tests, press the OK button to confirm, each function of the whole machine will start automatic testing, then press the left/right button to return to the previous menu.

XY test:

Select XY test, press the OK button to confirm, the XY axis function of the whole machine will start automatic testing, then press the left/right button to return to the previous menu.

Head test:

Select the head test, press the OK button to confirm, each function of the lamp head of the whole machine will start an automatic test, and then press the left/right button to return to the previous menu.

● SERVICE OPTIONS

Enter the MENU mode, select the service option function, press the OK button to confirm, use the up/down button to select: light status, calibration, factory settings.

Lamp status:

Select the lamp status, press the up and down keys to select, press the OK button to confirm, you can see: memory chip, angle sensor, horizontal encoder, vertical encoder, horizontal, vertical, cyan, magenta, yellow, color temperature reduction, color wheel, pattern 1. Pattern 1 rotation, pattern 2, pattern 2 rotation, prism 1, prism 2, prism rotation, cutting rotation, scaling, focusing and other functions running status and error records, then press the left/right button to return to the previous menu .

Calibration:

Select calibration, press the up and down keys to select, press the OK button to confirm, you can fine-tune the position of the following functions from 0 to 255 (default 128): horizontal, vertical, cyan, magenta, yellow, color temperature drop, color wheel, pattern 1, pattern 1 rotation, pattern 2, pattern 2 rotation, cutting 1A, cutting 1B, cutting 2A, cutting 2B, cutting 3A, cutting 3B, cutting 4A, cutting 4B, cutting rotation, prism 1, prism 2, effect disc, atomization 1, Fog 2, aperture, zoom, focus, dimming, focus-gobo 1, focus-gobo 2, focus-iris, etc., then press the left/right button to return to the previous menu.

● FACTORY SETTINGS

Select factory settings, press the up and down keys to select, press the OK button to confirm, you can choose: factory reset, clear time, software upgrade, power adjustment, power selection, Logo selection and other functions, note that this function is factory settings

Pan:

Enter the initial setting menu, use the up and down keys to select the horizontal channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Tilt:

Enter the initial setting menu, use the up and down keys to select the vertical channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Blue:

Enter the initial setting menu, use the up and down keys to select the cyan channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Magenta:

Enter the initial setting menu, use the up and down keys to select the magenta channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Yellow:

Enter the initial setting menu, use the up and down keys to select the yellow channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Lower color temperature:

Enter the initial setting menu, use the up and down keys to select the color temperature channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Color wheel:

Enter the initial setting menu, use the up and down keys to select the color wheel channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Pattern 1:

Enter the initial setting menu, use the up and down keys to select pattern 1 channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Pattern 1 rotation:

Enter the initial setting menu, use the up and down keys to select the pattern 1 rotation channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Pattern 2:

Enter the initial setting menu, use the up and down keys to select the pattern 2 channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Pattern 2 rotation:

Enter the initial setting menu, use the up and down keys to select the pattern 2 rotation channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 1A:

Enter the initial setting menu, use the up and down keys to select the cutting 1A channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 1B:

Enter the initial setting menu, use the up and down keys to select the cutting 1B channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 2A:

Enter the initial setting menu, use the up and down keys to select the cutting 2A channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 2B:

Enter the initial setting menu, use the up and down keys to select the cutting 2B channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 3A:

Enter the initial setting menu, use the up and down keys to select the cutting 3A channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 3B:

Enter the initial setting menu, use the up and down keys to select the cutting 3B channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 4A:

Enter the initial setting menu, use the up and down keys to select the cutting 4A channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cut 4B:

Enter the initial setting menu, use the up and down keys to select the cutting 4B channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Cutting rotation:

Enter the initial setting menu, use the up and down keys to select the cutting rotation channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Prism 1:

Enter the initial setting menu, use the up and down keys to select the prism channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Prism 2:

Enter the initial setting menu, use the up and down keys to select the prism 2 channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Effect plate:

Enter the initial setting menu, use the up and down keys to select the effect panel channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Atomization 1:

Enter the initial setting menu, use the up and down keys to select the atomization channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Atomization 2:

Enter the initial setting menu, use the up and down keys to select the atomization channel 2, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Aperture:

Enter the initial setting menu, use the up and down keys to select the aperture channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Zoom:

Enter the initial setting menu, use the up and down keys to select the zoom channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Focusing:

Enter the initial setting menu, use the up and down keys to select the focusing channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Dimming:

Enter the initial setting menu, use the up and down keys to select the dimming channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Focus-Pattern 1:

Enter the initial setting menu, use the up and down keys to select the focus-pattern channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Focus - pattern 2:

Enter the initial setting menu, use the up and down keys to select the focus-pattern 2 channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Focus-aperture:

Enter the initial setting menu, use the up and down keys to select the focus-iris channel, use the left and right keys to adjust the DMX value, the adjustment range is 0-255, the default initial position is 128, perform calibration, press the OK button to save and exit.

Main menu		I menu		II menu		III menu		IV menu
DMX SETTING	→	Address	→	1-512				
		Channel mode		Standard （43）				
				Extended （55）				
		Input mode	→	DMX 512				
Info	→	Fixture times	→	Power on time		0 - 99999H		
				LED on time		0 - 99999H		
				All time		0 - 99999H		
		Temperatures	→	LED TEMP				
				Drive TEMP				
		RDM info	→	UID:0x3888XXXXXXXX				
		DMX live	→	1.Pan	→	0 - 255		
				2.Pan fine		0 - 255		
				3.......		0 - 255		
		Version info	→	Display		VX.XXX		
				Pan/Tilt		VX.XXX		
				CMY module		VX.XXX		
				Gobo module		VX.XXX		
				Profile1		VX.XXX		
				Profile2		VX.XXX		
				Zoom module		VX.XXX		
				Led FanDrv		VX.XXX		
		Fan Info		In Fan				
				Out Fan				
				Gobo Fan				
				Profile Fan				
				Focus Fan				
				In Fan1				
				In Fan2				
				In Fan3				
				Out Fan1				
				Out Fan2				
				Out Fan3				
				CMY Fan				
				Gobo Fan				
				Profile Fan				
				Focus Fan1				
				Focus Fan2				
Person	→	Pan/Tilt	→	PT swap		OFF		
						ON		
				Pan invert	→	OFF		
						ON		
				Tilt invert		OFF		
						ON		
		Noise mode	→	Super silent				
				Silent				
				Hight Brightness				
		Display	→	Language		Chinese		
						English		
				Backlight time		Always		
						Auto (30S)		
				Intensity		0 - 100		
				Rotation		Normal		
						Rotate 180		
						Auto (30S)		
		Dimmer Curve		Linear				
				Square(Default)				
				I-Square				
				S Curve				
		Led Preq Set		1000 Hz				
				3600 Hz				
				7200 Hz				
				25000 Hz				
		Zomm Invert Set		OFF				
				ON				

Main menu		I menu		II menu		III menu		IV menu
Manual	→	Manual Control	→	1.Pan		0 - 255		
				2.Pan fine	→	0 - 255		
				3......		0 - 255		
		Reset	→	Total reset				
				Pan/Tilt reset				
				Gobo reset				
				Color reset				
				Profile reset				
				Focus reset				
				Effect reset				
Test		Test all		Testing				
		Test pan/tilt	→	Testing				
		Test effects		Testing				
Service	→	Fixture state		Memory IC		OK/Reset/Error		
				Angle Sensor		OK/Reset/Error		
				Pan Encodeer		OK/Reset/Error		
				Tilt Encoder		OK/Reset/Error		
				Pan		OK/Reset/Error		
				Tilt		OK/Reset/Error		
				Cyan		OK/Reset/Error		
				Magenta		OK/Reset/Error		
				Yellow		OK/Reset/Error		
				CTO		OK/Reset/Error		
				Colorwheel		OK/Reset/Error		
				Gobo1		OK/Reset/Error		
				Gobo1 Rot.		OK/Reset/Error		
				Gobo2		OK/Reset/Error		
				Gobo2 Rot.		OK/Reset/Error		
				Fram Rot.		OK/Reset/Error		
				Zoom		OK/Reset/Error		
				Focus		OK/Reset/Error		
				Prism1		OK/Reset/Error		
				Prism2		OK/Reset/Error		
				Prism Rot.		OK/Reset/Error		
		Adjust	→	Pan		0 - 255	→	
				Tilt		0 - 255		
				.....		0 - 255		
		Factory	→	Factory Reset	→	YES / NO		
				Reset timers	→	Reset power on timers	→	YES/NO
						Reset led timers		YES/NO
						Reset all timers		YES/NO
				Update	→	Simple update	→	Display
								Pan/Tilt
								CMY module
								Gobo module
								Framing module1
								Framing module2
								Zoom module
								LEDQD
								ALL
						Whole update	→	Display
								Pan/Tilt
								CMY module
								Gobo module
								Framing module1
								Framing module2
								Zoom module
								LEDQD
								ALL
				Power select		880W		
						1000W		
				Logo select				

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6.2.Channel Setting

Press the OK button to confirm, use the up/down buttons to select the channel mode: standard mode (43CH), extended mode (55CH), press the OK button to save.Press the left/right button to return to the previous menu.

6.3.Address Setting

When using a universal DMX controller to control the fixture, you need to set the starting address (1-512) for the fixture so that the machine can receiveto the DMX signal.Select the DMX address, press the OK button to confirm, the current DMX address will be shown on the display. Use the left/right buttons to select 001~512 address, press the OK button to save. Press the left/right button to return to the previous menu.

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
43 Channel	1	44	87	130
55 Channel	1	56	111	166

6.4.DMX 512 Configuration

55 Channel	43 Channel	DMX	Function	Note
1	1	0--255	Pan Pan movement/positioning	
2	2	0--255	Pan fine Fine Pan positioning	
3	3	0--255	TILT Tilt movement/positioning	
4	4	0--255	TILT fine Fine Tilt movement/positioning	
5	5	0--255	PAN TILT Speed Pan Tilt movement Speed From Fast To Slow	
6	6	0--10 11 -- 20 21 -- 30 31 -- 40 41 -- 50 51 -- 60 61 -- 70 71 -- 80 81 -- 90 91 -- 100 101 -- 110 111 -- 120 121 -- 130 131 -- 140 141 -- 150 151 -- 160 161 -- 170 171 -- 180 181 -- 190 191 -- 200 201 -- 255	Functions NO function All Reset XY Reset Color System Reset Gobo System Reset Profile System Reset Focus System Reset Super silent Silent Hight Brightness Effect Reset Zoom Invert Zoom Forward NO function NO function NO function NO function NO function Display Back light is Auto function Open NO function	
7	7	0--255	Cyan White→full cyan	
8	/	0--255	Cyan Fine Cyan Fine movement/positioning	
9	8	0--255	Magenta White → full magenta	
10	/	0--255	Magenta Fine Magenta Fine movement/positioning	
11	9	0--255	Yellow White→ full yellow	
12	/	0--255	Yellow Fine Yellow Fine movement/positioning	
13	10	0--255	CTO Color Temperature from Deep to mall	
14	/	0--255	CTO Fine CTO Fine movement/positioning	
15	11	0--89 90--101 102--114 115--127 128--140 141--153 154 --166	Colour wheel 0--360° OPEN COLOR1 COLOR2 COLOR3 COLOR4 COLOR5	

55 Channel	43 Channel	DMX	Function	Note
		167--179	COLOR6	
		180--214	Forwards Color rotation from slow to fast	
		215--249	Backwards Color rotation from fast to slow	
		250--255	Random Color	
16	**12**		Gobo	
		0--9	Open	
		10--19	GOBO1	
		20--29	GOBO2	
		30--39	GOBO3	
		40--49	GOBO4	
		50--59	GOBO5	
		60--69	GOBO6	
		70--79	GOBO7	
		80--87	Gobo 1 shake slow to fast	
		88--95	Gobo 2 shake slow to fast	
		96--103	Gobo 3 shake slow to fast	
		104--111	Gobo 4 shake slow to fast	
		112--119	Gobo 5 shake slow to fast	
		120--127	Gobo 6 shake slow to fast	
		128--135	Gobo 7 shake slow to fast	
		136--139	OPEN	
		140--194	Forwards gobo rotation from slow to fast	
		195--249	Backwards gobo rotation from fast to slow	
		250--255	Random Gobo	
17	**13**		Gobo Rotation	
		0--127	0°--360°	
		128--189	Forwards gobo rotation from fast to slow	
		190--193	Gobo rotation stop	
		194--255	Backwards gobo rotation from slow to fast	
18	**14**		Gobo2	
		0--9	Open	
		10--19	GOBO1	
		20--29	GOBO2	
		30--39	GOBO3	
		40--49	GOBO4	
		50--59	GOBO5	
		60--69	GOBO6	
		70--79	GOBO7	
		80--87	Gobo 1 shake slow to fast	
		88--95	Gobo 2 shake slow to fast	
		96--103	Gobo 3 shake slow to fast	
		104--111	Gobo 4 shake slow to fast	
		112--119	Gobo 5 shake slow to fast	
		120--127	Gobo 6 shake slow to fast	
		128--135	Gobo 7 shake slow to fast	
		136--139	OPEN	
		140--194	Forwards gobo rotation from slow to fast	
		195--249	Backwards gobo rotation from fast to slow	
		250--255	Random Gobo	
19	**15**		Gobo2 Rotation	
		0--127	0°--360°	
		128--189	Forwards gobo rotation from fast to slow	
		190--193	Gobo rotation stop	
		194--255	Backwards gobo rotation from slow to fast	
20	**16**		Blade 1A	
		0--255	Blade Out→In	

55 Channel	43 Channel	DMX	Function	Note
21	/	0--255	Blade 1A Fine Fine Blade positioning	
22	17	0--255	Blade 1B Blade Out→In	
23	/	0--255	Blade 1B Fine Fine Blade positioning	
24	18	0--255	Blade 2A Blade Out→In	
25	/	0--255	Blade 2A Fine Fine Blade positioning	
26	19	0--255	Blade 2B Blade Out→In	
27	/	0--255	Blade 2B Fine Fine Blade positioning	
28	20	0--255	Blade 3A Blade Out→In	
29	/	0--255	Blade 3A Fine Fine Blade positioning	
30	21	0--255	Blade 3B Blade Out→In	
31	/	0--255	Blade 3B Fine Fine Blade positioning	
32	22	0--255	Blade 4A Blade Out→In	
33	/	0--255	Blade 4A Fine Fine Blade positioning	
34	23	0--255	Blade 4B Blade Out→In	
35	/	0--255	Blade 4B Fine Fine Blade positioning	
36	24	0--255	Framing Rotation 0°--120°	
37	25	0 -- 10 11 -- 20 21 -- 30 31 -- 40 41 -- 50 51 -- 60 61 -- 70 71 --80 81 --90 91 --100 101--110 111--120 121--130 131--140 141--150 151--160 161--170 171--180 181--190 191--200 201--255	Framing Macro No function Square rectangle Isosceles triangle trapezoidal The Fan(Facing Up) parallelogram Right Angle trapezoid The Fan(Down) triangle prismatic The stripes bar Upper left quadrant semicircle（Up） Upper right quadrant Right semicircle Right lower quadrant Semicircle（Down） The lower left quadrant Left Semicircle	
38	26	0--255	Framing Macro Zoom Framing Macro Zoom	

55 Channel	43 Channel	DMX	Function	Note
39	**27**	0--10 11--100 101--190 191--255	Prism Prism Out Prism 1 Prism 2 Prism 1&2	
40	**28**	0 1--63 64--127 128--191 192--207 208--223 224--239 240--255	Prism Rotation No Function 0--360° Forwards rotation from fast to slow Backwards rotation from slow to fast from slow to fast 90°Swing from slow to fast 180°Swing from slow to fast 270°Swing from slow to fast 360°Swing	
41	**29**	0--9 10--239 240--255	Effect Effect Out Effect In Effect In&Shake	
42	**30**	0--2 3--130 131--255	Effect Rotation No Function Forwards rotation from fast to slow Backwards rotation from fast to slow	
43	**31**	0--127 128--159 160--191 192--255	Frost1 Frost From Min To Max No Function No Function No Function	
44	**32**	0--127 128--159 160--191 192--255	Frost2 Frost From Min To Max No Function No Function No Function	
45	**33**	0--127 128--159 160--191 192--255	Iris From Max To Min Slow In Fast Out from slow to fast Fast In Slow Out from slow to fast Slow In Slow Out from slow to fast	
46	**34**	0--255	Zoom WIDE BEAM→NARROW BEAM	
47	**35**	0--255	ZoomFine Fine Zoom positioning	
48	**36**	0--255	Focus Infinity→near	
49	**37**	0--255	Focus Fine Fine Focus positioning	
50	**38**	0--9 10 -- 19 20 -- 29 30 -- 39 40 -- 49 50 -- 59 60--69 70--79 80 -- 255	Autofocus Distance NO function 7M 10M 15M 20M 25M 30M 40M 50M	

55 Channel	43 Channel	DMX	Function	Note
51	39	0--255	Autofocus Adjustment Auto Focus Fine	
52	40	0--9 10--49 50--89 90--119 120--179 180--255	Strobe No Function Closing pulses in sequences from fast to slow Opening pulses in sequences from fast to slow No Function Random strobe,slow → fast Strobe,slow → fast	
53	41	0--255	Dimmer Dimmer from Dark To Bright	
54	42	0--255	Dimmer Fine Dimmer Fine	
55	43	0--15 16--255	Gobo Macro No Function Gobo Macro Function	

7.Electrical Connection Diagram
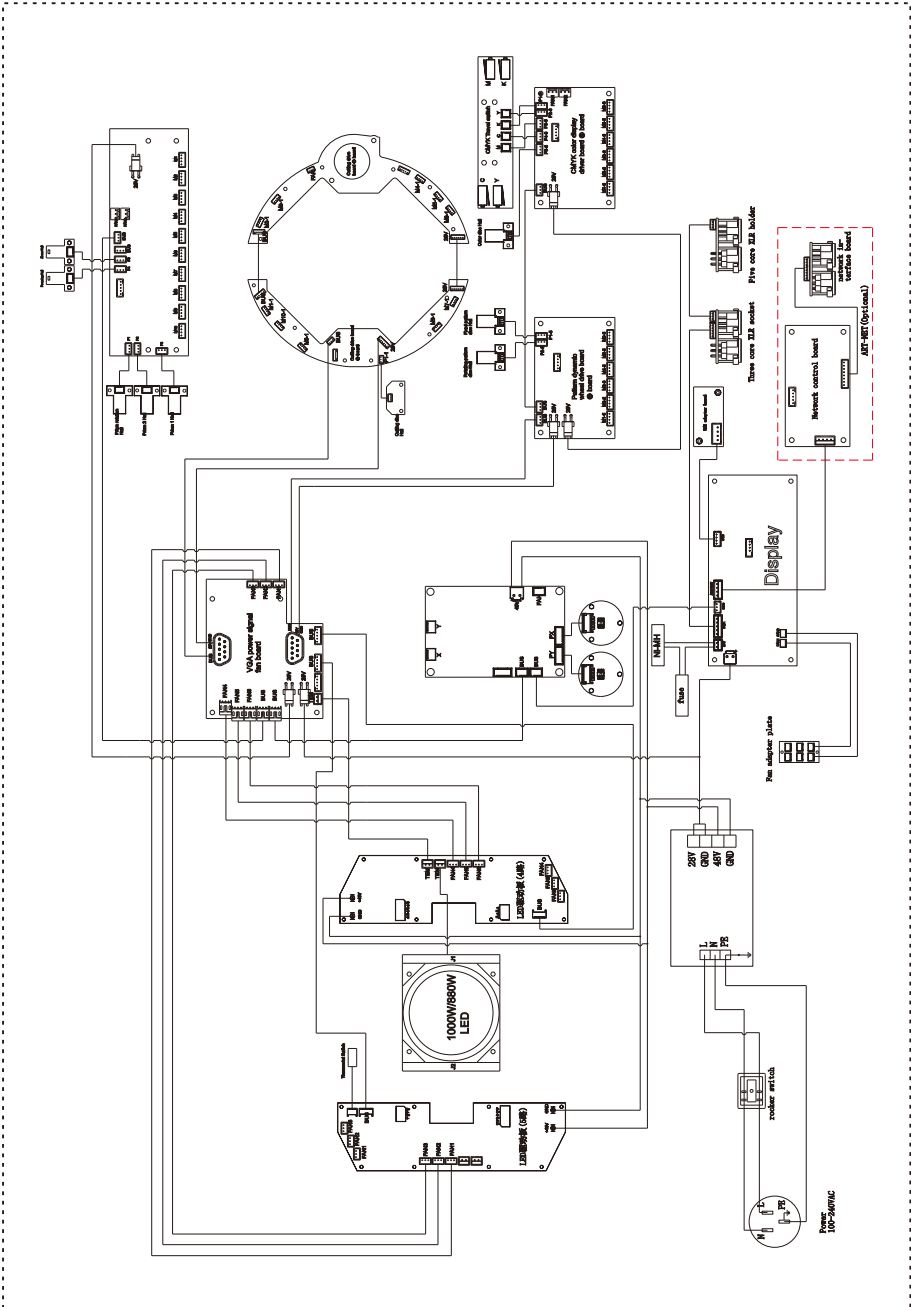
8.Error Information

Error messages will be displayed under the **Fixture state** status menu when the fixture fails and they will not disappear until the fixture is repaired.

1. Memory IC:

Check whether the Memory IC is damaged.

Check whether the related circuit of the Memory IC is damaged.

2. Angle sensor:

Check the Angle sensor chip for damage.

Check whether the related circuit of the Angle sensor chip is damaged.

3. Pan Encodeer:

Check whether the connection wire connecting the X-axis magnetic induction board is in poor contact or disconnected.

Check whether the related circuit of the X-axis motor driver board is damaged.

Check the X-axis magnetic plate for looseness, falling off or damage.

4. Tilt Encoder:

Check whether the connecting wire connecting the Y-axis magnetic induction board is in poor contact or disconnected.

Check whether the related circuit of the Y-axis motor driver board is damaged.

Check whether the Y-axis magnetic induction plate is loose, dropped or damaged.

5. Pan:

Check whether there are other objects in the X-axis running range interfering with its running and reset.

Check whether the connection wire connecting the X-axis magnetic induction board is in poor contact or disconnected.

Check the X-axis magnetic plate for looseness, falling off or damage.

Check whether the related circuit of the X-axis motor driver board is damaged.

Check if the X-axis motor is damaged.

6. Tilt:

Check whether there are other objects in the Y-axis running range interfering with its running and reset.

Check whether the connecting wire connecting the Y-axis magnetic induction board is in poor contact or is disconnected.

Check the Y-axis magnetic induction plate for looseness, falling off or damage.

Check whether the related circuit of the Y-axis motor driver board is damaged.

Check if the Y-axis motor is damaged.

7. Cyan:

Check whether there are other objects in the operation range of the **C** color film interfering with its operation and reset.

Check whether the connection line connecting the **C** color chip and the magnetic induction board is in poor contact or disconnected.

Check the **C** color chip magnets for looseness, falling off, or damage.

Check whether the **C** color chip magnetic plate is loose, fallen off or damaged.

Check whether the related circuit of the **C** color chip motor driver board is damaged.

Check whether the **C** color chip motor is damaged.

8. Magenta:

Check whether there are other objects in the operating range of the **M** color film interfering with its operation and reset.

Check whether the connection line connecting the **M** color chip magnetic induction board is in poor contact or disconnected.

Check if the **M** color chip magnet is loose, dropped or damaged.

Check whether the **M** color chip magnetic plate is loose, falling off or damaged.

Check whether the related circuit of the **M** color chip motor driver board is damaged.

Check if the **M** color chip motor is damaged.

6. Tilt:

Check whether there are other objects in the Y-axis running range interfering with its running and reset.

Check whether the connecting wire connecting the Y-axis magnetic induction board is in poor contact or is disconnected.

Check the Y-axis magnetic induction plate for looseness, falling off or damage.

Check whether the related circuit of the Y-axis motor driver board is damaged.

Check if the Y-axis motor is damaged.

7. Cyan:

Check whether there are other objects in the operation range of the **C** color film interfering with its operation and reset.

Check whether the connection line connecting the **C** color chip and the magnetic induction board is in poor contact or disconnected.

Check the **C** color chip magnets for looseness, falling off, or damage.

Check whether the **C** color chip magnetic plate is loose, fallen off or damaged.

Check whether the related circuit of the **C** color chip motor driver board is damaged.

Check whether the **C** color chip motor is damaged.

8. Magenta:

Check whether there are other objects in the operating range of the **M** color film interfering with its operation and reset.

Check whether the connection line connecting the **M** color chip magnetic induction board is in poor contact or disconnected.

Check if the **M** color chip magnet is loose, dropped or damaged.

Check whether the **M** color chip magnetic plate is loose, falling off or damaged.

Check whether the related circuit of the **M** color chip motor driver board is damaged.

Check if the **M** color chip motor is damaged.

9. Yellow:

Check whether there are other objects in the operation range of the **Y** color film interfering with its operation and reset.

Check whether the connecting wire connecting the **Y**-color chip magnetic induction board is in poor contact or disconnected.

Check the **Y**-chip magnets for looseness, falling off, or damage.

Check whether the **Y** color chip magnetic induction board is loose, fallen off or damaged.

Check whether the related circuit of the **Y** color chip motor driver board is damaged.

Check if the **Y** chip motor is damaged.

10. CTO:

Check whether there are other objects in the operation range of the CTO color film interfering with its operation and reset.

Check whether the connecting wire connecting the CTO color chip magnetic induction board is in poor contact or disconnected.

Check the CTO chip magnets for looseness, falling off, or damage.

Check the CTO color chip magnetic plate for looseness, falling off or damage.

Check whether the related circuit of the CTO color chip motor driver board is damaged.

Check the CTO chip motor for damage.

11. Color wheel:

Check whether there are other items in the color wheel operation range that interfere with its operation, reset

Check whether the connection wires connecting the color wheel and the magnetic sensor board are in poor contact or disconnected

Check if the color wheel magnet is loose, falling off or damaged

Check whether the color wheel or the magnetic sensor board is loose, falling off or damaged

Check whether the circuit related to the color wheel and the motor drive board is damaged

Check whether the color wheel motor is damaged

12. Pattern 1:

 Check whether there are other objects in the pattern 1 revolution range that interfere with its operation and reset

 Check whether the connecting wires connected to the magnetic sensor board of the pattern 1 male wheel are in poor contact or disconnected

 Check whether the pattern 1 revolution magnet is loose, falling off or damaged

 Check whether the pattern 1 revolution magnetic induction plate is loose, falling off or damaged

 Check whether the circuit related to the pattern 1 revolution motor drive board is damaged

 Check whether the pattern 1 revolution motor is damaged

13. Pattern 1 rotation:

 Check whether there are other items in the range of the pattern 1 self-rotating gear interfering with its operation and reset

 Check whether the connecting wires of the pattern 1 self-rotating gear and the magnetic induction board are in poor contact or disconnected

 Check if the gobo self-rotating gear magnet is loose, falling off or damaged

 Check whether the pattern 1 self-rotating gear and the magnetic induction plate are loose, falling off or damaged

 Check whether the related circuits of the pattern 1 self-rotating gear and the motor drive board are damaged

 Check whether the pattern 1 self-rotating gear motor is damaged

14. Pattern 2:

 Check whether there are other objects in the pattern 2 revolution range that interfere with its operation and reset

 Check whether the connecting wires connected to the magnetic sensor board of the pattern 2 male wheel are in poor contact or disconnected

 Check whether the pattern 2 revolution magnet is loose, falling off or damaged

 Check whether the pattern 2 revolution magnetic induction plate is loose, falling off or damaged

 Check whether the circuit related to the pattern 2 revolution motor drive board is damaged

 Check whether the pattern 2 revolution motor is damaged

15. Pattern 2 rotation:

Check whether there are other items in the range of the pattern 2 self-rotating gear interfering

with its operation and reset

Check whether the connecting wires of the pattern 2 self-rotating gear and the magnetic

induction

board are in poor contact or disconnected

Check if the gobo self-rotating gear magnet is loose, falling off or damaged

Check whether the pattern 2 self-rotating gear and the magnetic induction plate are loose, falling

off or damaged

Check whether the related circuits of the pattern 2 self-rotating gear and the motor drive board

are damaged

Check whether the pattern 2 self-rotating gear motor is damaged14.

16.Prism 1:

Check whether there are other objects in the range of prism 1 revolution and operation that

interfere with its operation and reset

Check whether the connecting wires of the prism 1 revolution and the magnetic sensor board are

in poor contact or disconnected

Check whether the prism 1 revolution magnet is loose, falling off or damaged

Check if the prism 1 revolves and the magnetic induction board is loose, falling off or damaged

Check whether the circuit related to the prism 1 revolution motor drive board is damaged

Check whether the prism 1 rotation gear motor is damaged

17.Prism 2:

Check whether there are other objects in the range of prism 2 revolution and operation that

interfere with its operation and reset

Check whether the connecting wires of the prism 2 revolution and the magnetic sensor board are

in poor contact or disconnected

Check whether the prism 2 revolution magnet is loose, falling off or damaged

Check if the prism 2 revolves and the magnetic induction board is loose, falling off or damaged

Check whether the circuit related to the prism 2 revolution motor drive board is damaged

Check whether the prism 2 rotation gear motor is damaged

18. Prism rotation

Check whether there are other items in the operating range of the prism self-rotating gear that interfere with its operation and reset

Check whether the connection wires of the prism self-rotating gear and the magnetic induction board are in poor contact or disconnected

Check whether the prism rotation gear magnet is loose, falling off or damaged

Check whether the prism self-rotating gear and the magnetic induction plate are loose, falling off or damaged

Check whether the prism self-rotating gear and the related circuit of the motor drive board are damaged

Check whether the prism rotation gear motor is damaged

19. Cutting rotation:

Check whether there are other objects in the operating range of the cutting disc assembly that interfere with its operation, reset

Check whether the connection wires of the cutting disc assembly and the magnetic sensor board are in poor contact or disconnected

Check Cutting Disc Assembly Magnet for loose, dislodged or damaged

Check whether the cutting disc assembly and the magnetic induction plate are loose, falling off or damaged

Check whether the cutting disc assembly and the related circuit of the motor drive board are damaged

Check the cutting disc assembly motor for damage

20. Zoom:

Check whether there are other items in the operating range of the zoom lens that interfere with its operation and reset

Check whether the cable connected to the zoom lens or the magnetic sensor board is poorly connected or disconnected

Check if the zoom lens magnet is loose, dislodged or damaged

Check whether the zoom lens magnetic plate is loose, falling off or damaged

Check whether the related circuits of zoom lens and motor drive board are damaged

Check the zoom lens motor for damage

21. Focusing:

Check whether there are other objects in the operating range of the focusing lens that interfere with its operation and reset

Check whether the connecting wires of the focusing lens and the magnetic sensor board are in poor contact or disconnected

Check if the focusing lens magnet is loose, falling off or damaged

Check whether the focusing lens or the magnetic sensor board is loose, falling off or damaged

Check whether the related circuits of the focusing lens and the motor drive board are damaged

Check whether the focusing lens motor is damaged

9.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.

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 and the internal optical lens every 30 days.

CAUTION！！！
Disconnect from mains before starting maintenance operation.

11.Duty exonerative and copyright protectio

∗ Light source belongs to consumption products, not within the scope of warranty.

∗ The manufacturer shall not bear any responsibility for any damage caused by failure to operate in accordance with this instruction.

∗ All the information in this manual shall be interpreted by the manufacturer.

∗ All the information in this manual shall not be copied without permission.

∗ The data contained in this statement are subject to change in the future without prior notice.