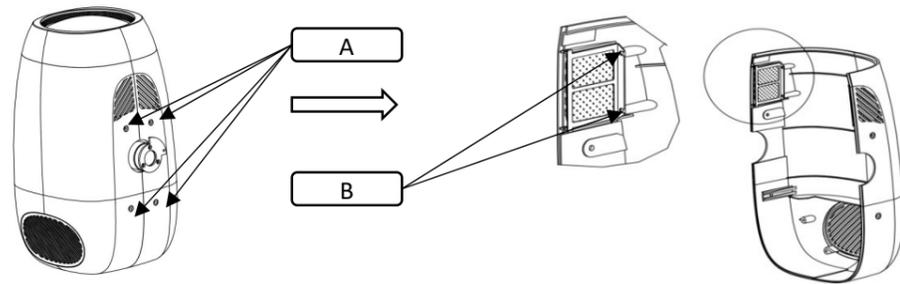


Before using the product, please read the product manual carefully

10.2 Head filter sponge cleaning

① Disconnect the power supply, unscrew the four screws at A on the left and right of the shell with a screwdriver, and take out the head cover;

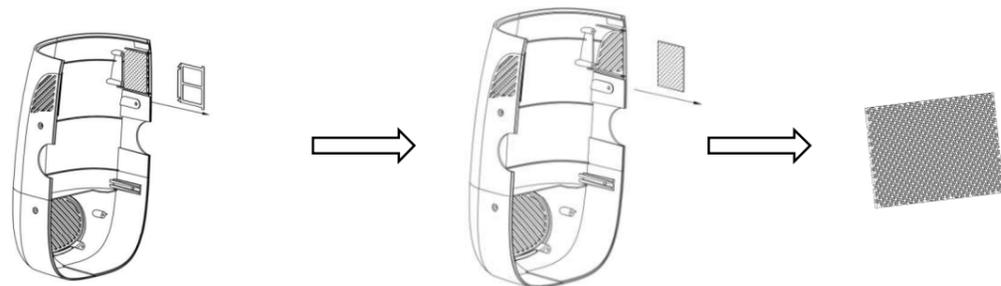
② Use a screwdriver to unscrew the two screws at B on the left and right sides of the head cover, and take out the sponge;



③ Take out the fixing bracket along the direction of the arrow;

④ Take out the filter sponge in the direction of the arrow;

⑤ Gently blow off the dust and floating objects with a vacuum cleaner or a pressure blower. If it is serious, please replace the filter cotton of the same type;



10.3 Base filter sponge cleaning

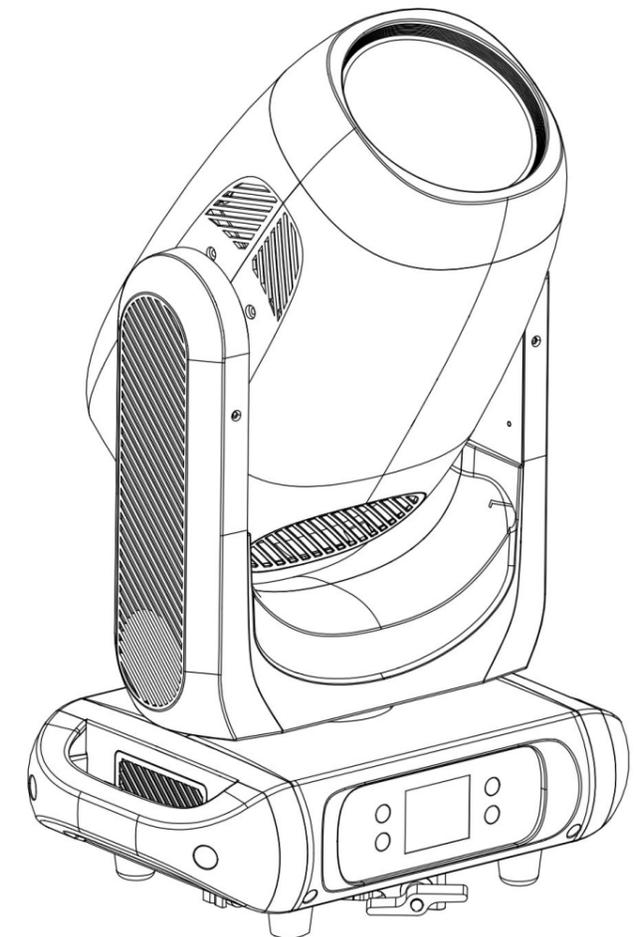
① Open the buckle along the direction A, and pull out the baffle in the direction B;

② Open the baffle along direction C and take out the filter sponge;

③ Gently blow off the dust and floating objects with a vacuum cleaner or a pressure blower. If it is serious, please replace the filter cotton of the same type;



420BSW CMY



User Manual

English

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<p>The whole lamp does not work when it is powered on</p>	<p>When the temperature is too high, the temperature control protection causes the over-temperature protection of the switching power supply to not work</p>	<p>1. Wait for the lamp body to cool down before turning it on</p>
-----------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------

10. Equipment maintenance and cleaning

10.1 Cleaning Precautions

Routine cleaning and maintenance are required. The service life of the equipment depends largely on the operating environment. Please consult a professional for advice.



Excessive dust, smoke fluid and particulate buildup will degrade performance and cause over heating or damage to the fixture that is not covered by the warranty. Please unplug the fixture before you open any covers.

- Cleaning
 - ① Optical components should be cleaned carefully and lightly. Coating face is easily damaged, do not use harmful solvent so as to avoid damage to plastic parts or coating parts.
 - ② Clean the external optical lens at least every 20 days and the internal optical lens every 30 days.
- Cleaning optical components
 - ① Switch off the fixture and keep it cool completely, then open the cover.
 - ② Clean the floats by dust collector or compressed.
 - ③ Use cotton paper without smell or cotton cloth soaked with the water, distilled water to wipe the granular thing, don't wipe the surface, float thing should be blown away by the pressure gas.
 - ④ Use the cotton cloth or cotton paper without smell soaked with isopropyl alcohol to remove the smoke and other residue. A commercial glass cleaner may be used, but residue must be removed with distilled water. Clean with a slow circular motion from center to edge. Dry with a clean, soft and lint-free cloth or compressed air.
- Cleaning fan and air vents
 - ① Remove dust from the fans and air vents with a soft brush, cotton paper, vacuum, or compressed air.

Symptoms	Cause of issue	Approach
No menu displayed	1. No AC input 2. The switching power supply is damaged 3. Display board failure	1. Check the power supply line 2. Check whether the switching power supply has voltage output 3. Replace the display board
Can't receive DMX signal	1. DM signal line failure 2. The wiring sequence of the signal line is wrong 3. The IC receiving the signal at the signal input terminal is damaged 4.4. The DMX address code setting does not match the corresponding control of the console 5. Other parameters are set incorrectly 6. After entering the menu without pressing the confirm button	1. Check or replace the signal line 2. Check the wiring sequence of the signal lines 3. Check whether the signal receiving IC of the display board and the two resistors connected in series on the signal line are open 4. Check or reset the address code or restore the factory settings and try again 5. Press MENU to exit to the main menu
The surface temperature of the lamp body exceeds 90°C and cannot be protected by temperature control	1. The thermistor on the light source board is faulty 2. The temperature control circuit on the display board is faulty	1. Replace the thermistor 2. Check the temperature control circuit on the motherboard
Uneven color mixing of light spots, uneven color spots	1. Improper welding of light source 2. The lens or bracket is not installed properly	1. Check the bulb welding condition 2. Check the lens assembly process and adjust the assembly direction of the bracket
The light source is off or flickers slightly	The light source is damaged or the driver board has no current output	1. Replace the light source 2. Replace the damaged light source or check the driver board circuit 3. Replace the corresponding driver IC

1. Safety warning



The products are packaged well when they leave the factory. Please keep the manual and read the "Installation, Use, Maintenance" and other safe operations. Equipment failure caused by man-made or irresistible reasons is not covered by the warranty.

- After receiving the lamp, please unpack and check whether there is any damage caused by transportation. If there is any damage, do not use the lamp and contact the supplier or manufacturer immediately.
- This product is suitable for indoor use, and its protection level is IP20. The lamps and lanterns should be kept clean, and should not be used in humid or dusty environments. Maintenance should be performed once or more every three months.
- Please install, use and maintain the lamps and lanterns under the operation of professionals, and operate in strict accordance with the product instructions.
- Before installing and using the lamp, please carefully check the power line and whether the signal line is damaged or damaged. When the lamp is not in use or maintained for cleaning, please unplug the power cord to prevent safety accidents.
- Make sure that the lamps work and use in a well-ventilated state, and keep a distance of at least 50cm between the product and obstacles or planes; ensure that the lamps and vents are unobstructed to avoid fire hazards caused by overheating of the lamps.
- Avoid water, liquid or solid metal objects from entering the interior of the lamp to prevent damage to the lamp or fire.
- Non-professionals, please do not open the lamp to repair by yourself; make sure that the external voltage matches the working voltage of the device before the lamp works.
- Be sure to ensure that each lamp is safely grounded, and the electrical installation complies with relevant standards to prevent electric shock.
- The product does not support direct connection to dimming devices.
- To ensure the safety of the surrounding environment, please do not place the lamps next to combustible items and explosive items to prevent fire hazards.
- If the lamp fails, please stop using it immediately and check with the power off.

- Under normal and stable operation, the surface temperature of the product should be around 70°C.
- When the lamp shell, internal accessories and lens are obviously damaged, please replace it in time.
- The distance between the lamp and the illuminated surface should be greater than 5M.

Before replacing the fuse, please disconnect the power; make sure to match the same type of fuse.

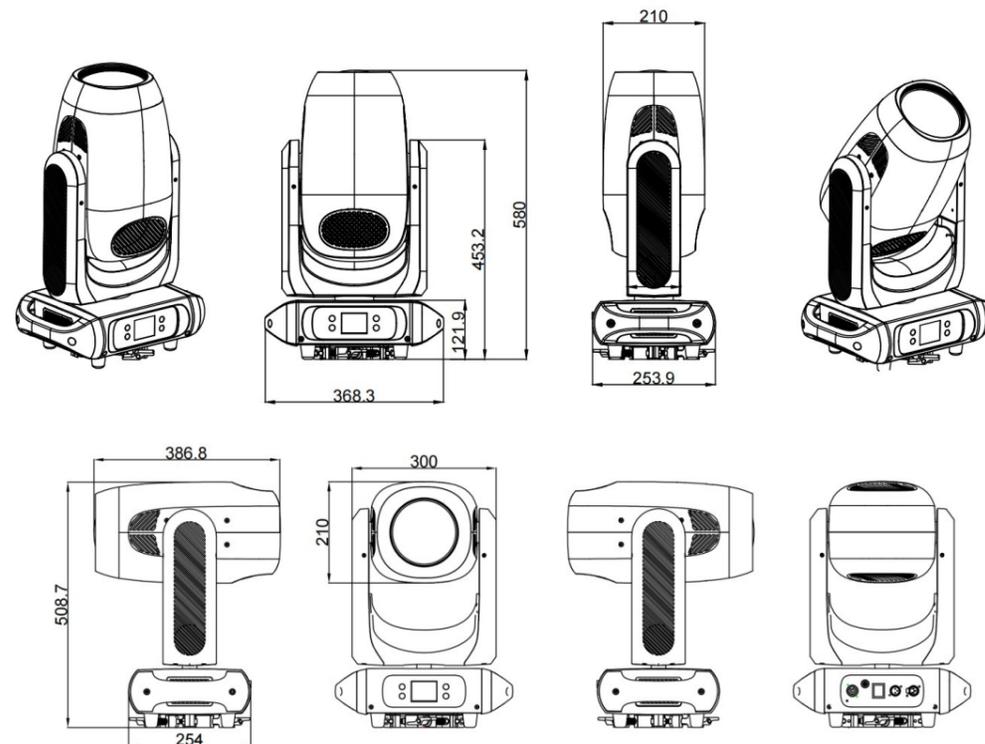
2. Packing accessories

Name	QUANTITY	UNIT
Product	1	PCS
User Manual	1	PCS
Signal power line	1	PCS
Suspension fasteners	1	SET

3. Size and weight

Metric system: 368.3*253.9*680mm, 17kgs (version with fixed clamps)

Imperial: 14.5"*9.99"*26.77" in, 37lb (version with fixed clamps)



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

Check whether there are obstacles in the prism operating range.

Check whether the Hall element on the prism is damaged.

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

Check whether the motor on the prism is damaged.

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

⑦ Focus Reset Error

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

Check whether there are obstacles in the focus operating range.

Check whether the Hall element on the focus is damaged.

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

Check whether the motor on the focus is damaged.

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

⑧ Zoom Reset Error

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

Check whether there are obstacles in the focus operating range.

Check whether the Hall element on the focus is damaged.

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

Check whether the motor on the focus is damaged.

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

⑨ Led Temp. Error

Check whether the temperature detecting board is normal.

Check whether the components of the temperature detecting board are damaged.

Check whether the lead on the temperature detecting board is installed in place or disconnected.

⑩ LED Too Hot Off

When the fixture temperature reaches 90°C, it will automatically turn off to protect the fixture.

9. Troubleshooting

Check whether the motor on the pan is damaged.

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

① Pan/Tilt Encode Error

Check whether the encoder on the pan is damaged.

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

③ Tilt Reset Error

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

Check whether there are obstacles in the tilt operating range.

Check whether the Hall element on the tilt is damaged.

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

Check whether the motor on the tilt is damaged.

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

④ Color Reset Error

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

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

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

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

Check whether the motor on the color wheel is damaged.

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

⑤ Gobo Reset Error

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

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

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

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

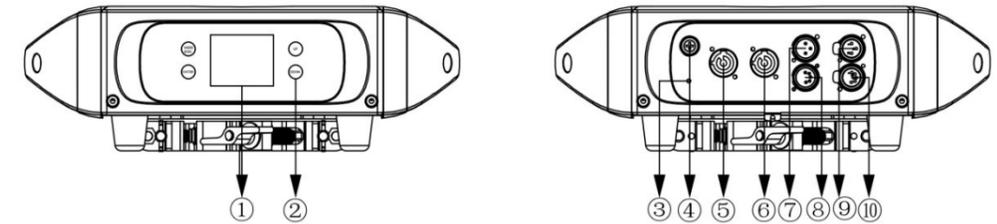
Check whether the motor on the gobo wheel is damaged.

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

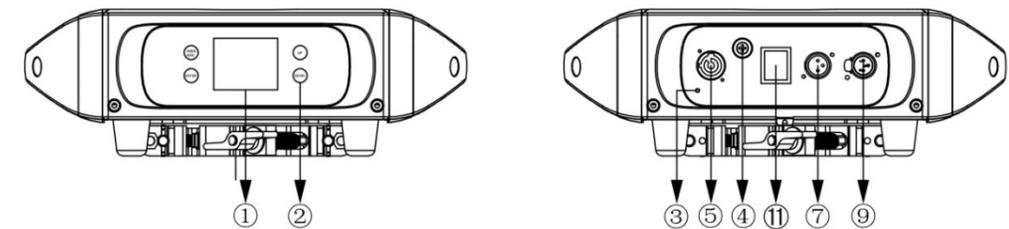
⑥ Prism Reset Error

4. Control Panel

POWERCON A (Standard) :



POWERCON B:



①DISPLAY: LCD Show menu functions

②TOUCH BUTTON:

Function	Illustrate	Functional description	Effect
MODE/ESC	menu selection	Enter the menu selection function	Menu operation
UP	UP	To previous selection	Changing the parameter increases
DOWN	DOWN	To the next choice	Change parameters to reduce
ENTER	ENTER	Confirm selected function	Save the last parameter

③Ground Security Screw: Lamps are safely grounded to prevent electric shock.

④FUSE: Protect lamps from damage caused by excessive current or short circuit.

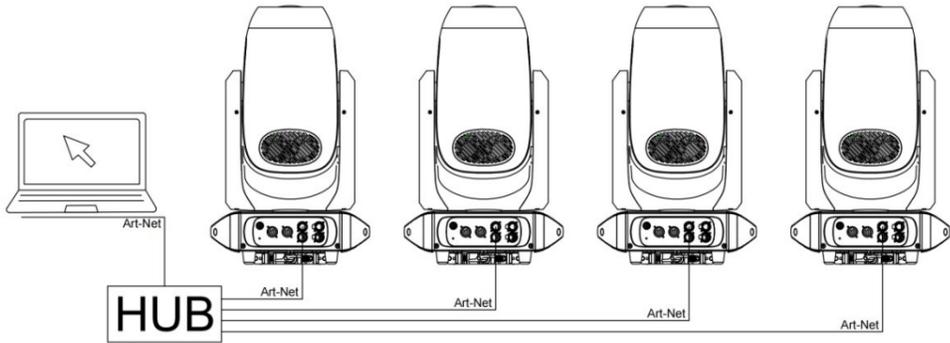
⑤POWER IN: Connecting to the power supply for lamps and lanterns.

⑥POWER OUT: Connect the next light fixture.

⑦DMX IN: For DMX512 link, use 3-pin XLR cable to link the unit and controller.

- ⑧ DMX IN: For DMX512 link, use 3-pin XLR cable to link the unit and controller。
- ⑨ DMX OUT: For DMX512 link, use 3-pin XLR cable to link the unit and controller。
- ⑩ DMX OUT: For DMX512 link, use 3-pin XLR cable to link the unit and controller。
- ⑪ SWITCH: Used for lighting switching power supply function。

NOTICE: screensaver unlock password (UP DOWN UP DOWN) ENTER.



Connection method TWO

5. Product Specifications

Optical parameters	SPECIFICATIONS
Light source	380W LED
Color temperature	7500K
Output	21000Lm
CRI	72
LED life	20000H
Beam angle	3°- 48°
Effect	
PAN	540°
TILT	270°
Color	color wheel (8+open)
	CMY, linear
	3200K~7500K, linear
Gobos	Gobos (rotating) 7 interchangeable+open
	Gobos (fixed) 9 fixed+open
Zoom	Motorized
Frost	3° Frost
Strobe	0 - 30Hz
Dimming	4 dimming curves, 0~100% linear dimming
LED Refresh Rate	800Hz, 1200Hz, 3600Hz, 5000Hz, 10KHz, 15KHz, 20KHz, 25KHz

7.10 DMX set

- 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 [MODE/ESC] 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 [MODE/ESC] button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
25 channels	1	26	51	76
36 channels	1	37	73	99

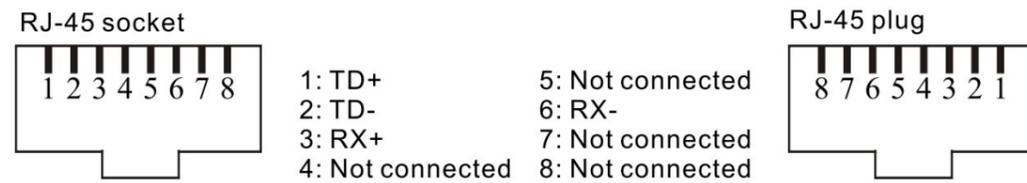
8. Error Information

- Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.
- ① **Pan Reset Error**
 Check whether the position of the pan where the magnet is installed falls off or is damaged.
 Check whether there are obstacles in the pan operating range.
 Check whether the Hall element on the pan is damaged.
 Check whether the lead connecting the Hall element on the pan and the PCB board is in poor contact or disconnected.

- The end of the DMX 512 system should be terminated to reduce signal errors.
- Connect the fixtures with Max.11 pieces. Make sure to insert the "signal in" terminal in the last connecting fixture.

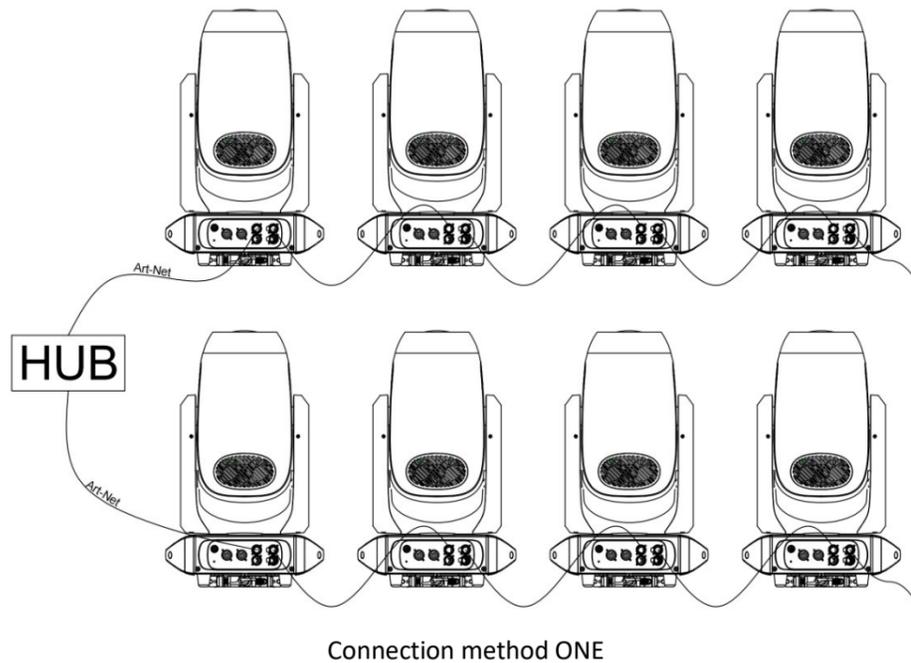
7.8 Ethernet connection

- The data communication is provided with Art-Net protocol, thus the controlling utilities used in the lighting controller or PC must support such protocol. The maximum transferring speed can reach 10Mb/s.
- The fixture is provided with 8-pin RJ-45 connector for internet input. Please use class 5 cables and standard RJ-45 connector for internet connection, Shown as Fig.



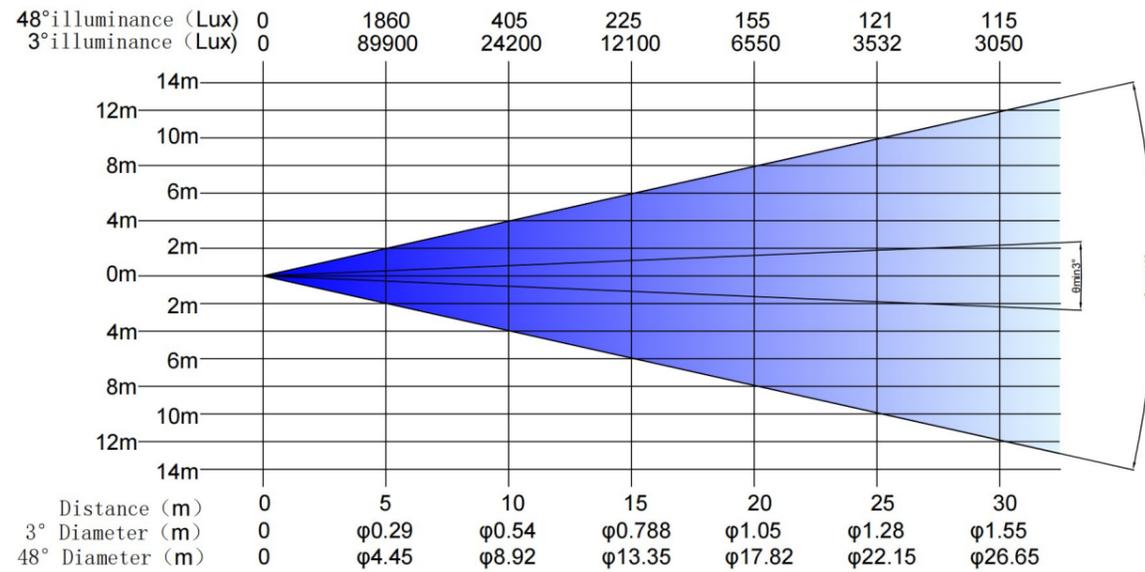
- Type A IP address is configured as default addresses.

7.9 Ethernet connection layout, shown as Fig.

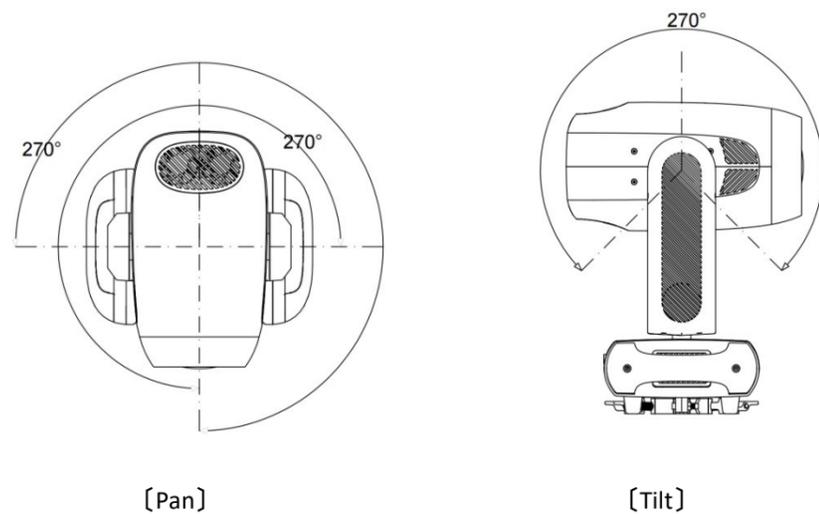


Dimming mode	Standard Mode, Stage Mode, TV Mode, Building Mode, Theater Mode
Prism	Rotating 5-facet prism+ rotating T-facet prism with variable speed
Electronic parameters	
Mains	100 - 240V, 50/60Hz
Consumption	220V@520W, 110V@550W
Fuse	T5A, 250V
Power connections	PowerCon IN/OUT
Data connections	3pin and 5pin DMX IN/OUT
Power Factor	0.96@220V, 0.97@110V
Working environment	0 - 45°C
Structural parameters	
Dimension	368.3*253.9*680mm
Weight	17KG
Shell	Standard black environmentally friendly flame retardant ABS, black fine sand pattern
Installation method	Flat ground, side hanging, hanging installation
Protection level	IP20
Control	
Control protocol	DMX512/RDM
	ArtNet control (Optional)
DMX channels	25CH/36CH
Accessories	
Standard	Standard power signal line, safety rope, hanging parts
Optional	Flight Case

5.1 Light output and beam angle range

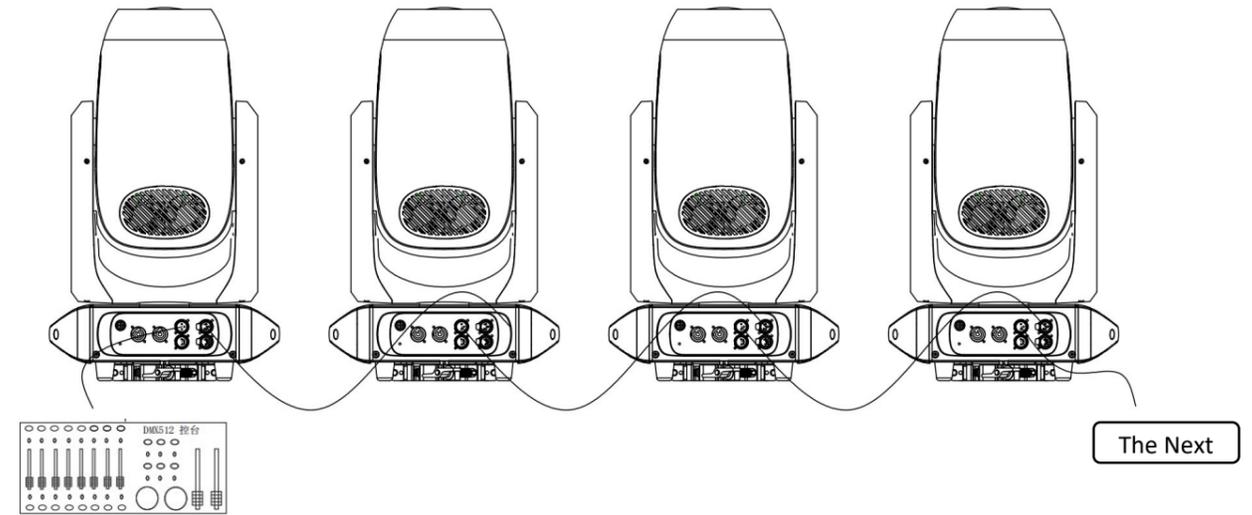


5.2 Pan/tilt scan

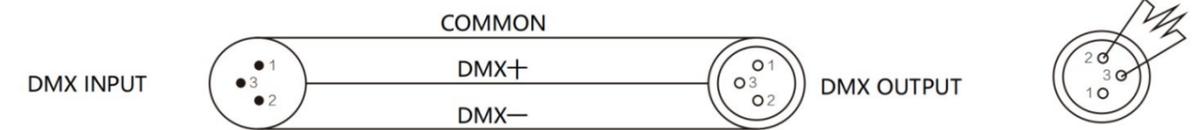


5.3 MENU

7.6 Signal Connection



7.7 Signal Connection illustrate

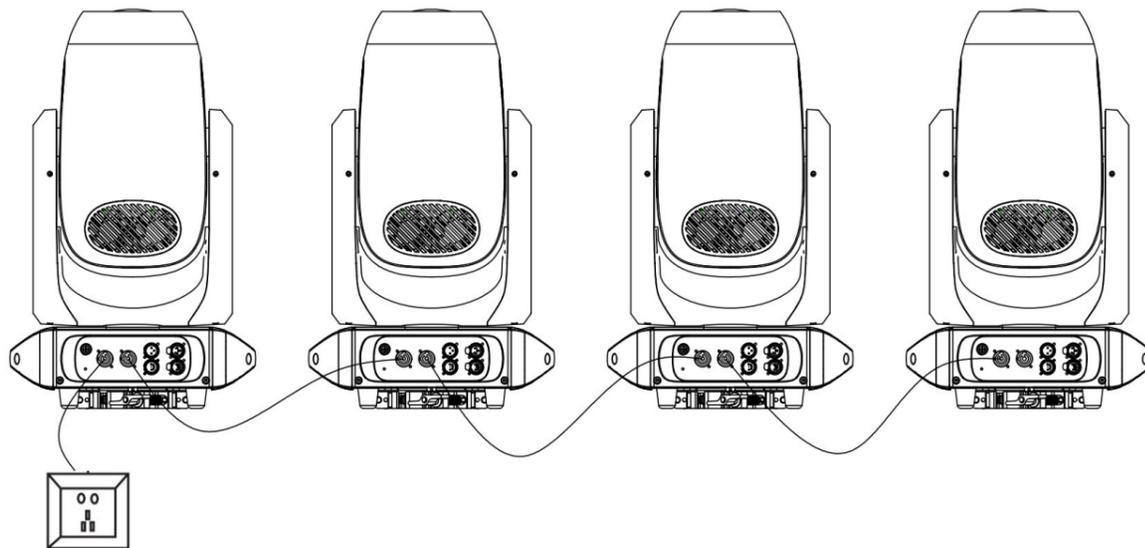


- Please use a shielded twisted-pair cable configured for DMX512. The DMX input and output of the device adopt 3-pin or 5-pin XLR connection socket.
- **Pin1: GND, Pin2: Signal (-) , Pin3: Signal (+)**
- At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor 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
- 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.
- The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
- Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
- Each lamp must have an address code, which can receive the information sent by the console.

strictly in accordance with the procedures described in this manual.

- The lamps and lanterns should be installed in a well-ventilated place, at least 50CM away from the wall, and check whether the ventilation holes are unobstructed. Do not look directly at the light source to avoid damage to the eyes.
- Parts that make electrical connections must be operated by qualified installers.
- Each lamp should be safely grounded, and electrical installation should be carried out in accordance with relevant standards.
- Do not use the power cord whose insulation layer has been damaged, and do not put the power cord on other wires. When the lamp is not in use or cleaned, please unplug the power cord. Do not pull or pull the power cord vigorously.
- If the back cover of the lamp is equipped with a safety buckle or a connection hole, for safety reasons, please use the safety rope to pass through the connection hole for auxiliary hoisting.

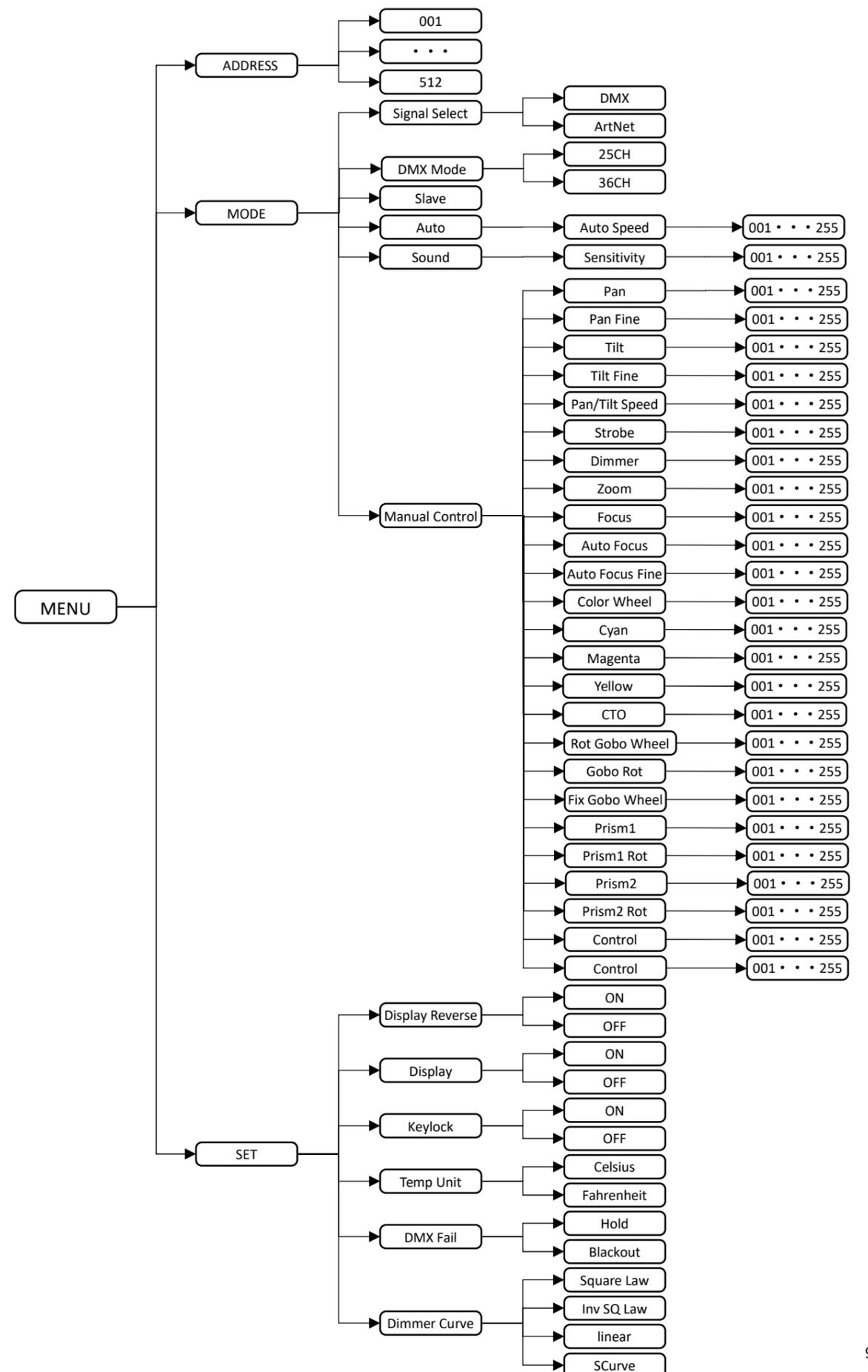
7.5 Power I Connection

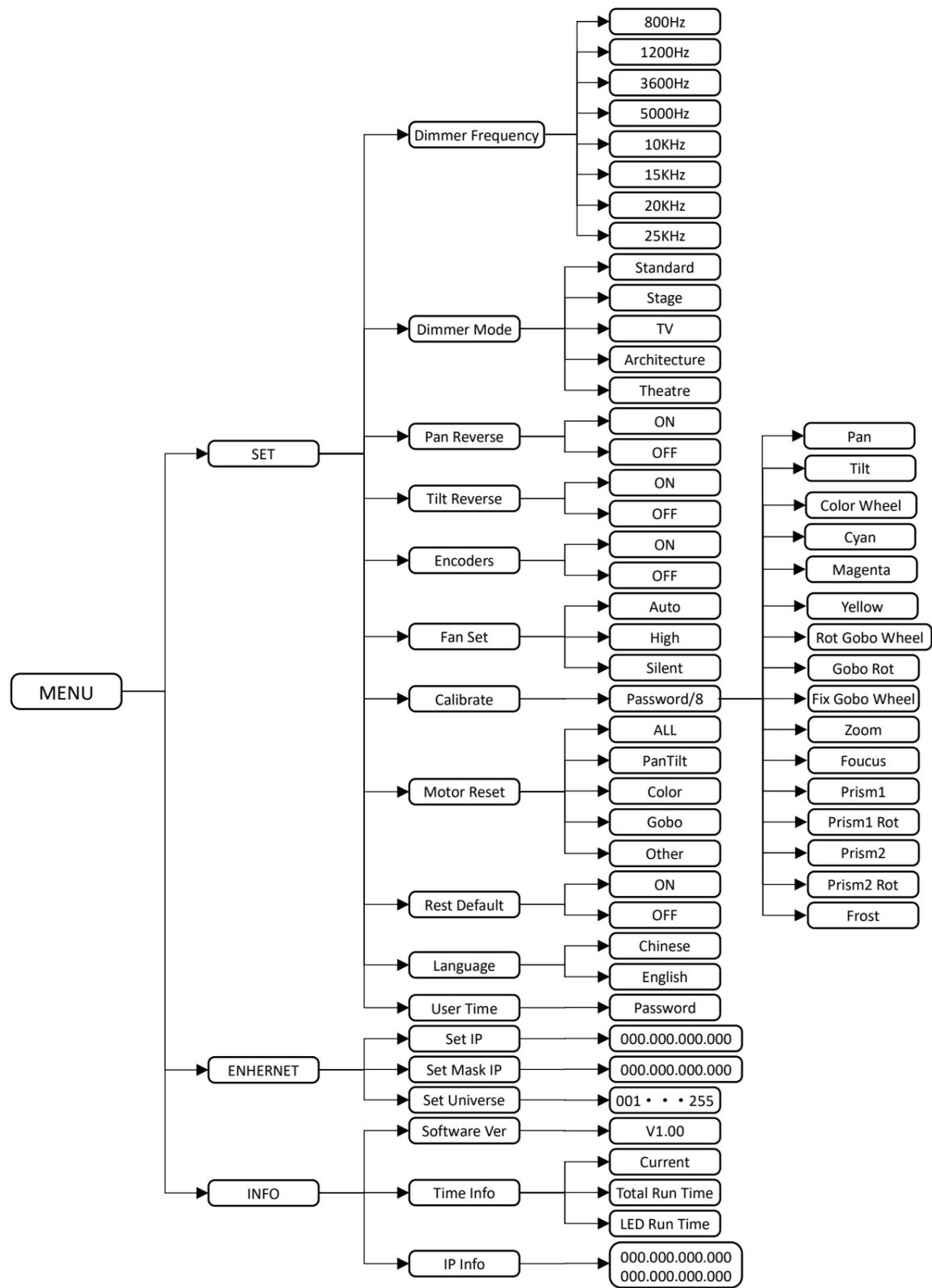


- The standard product uses Powercon in /out, a single connection power cord.
- Note: Due to power reasons, a 1.5 square power cord can carry up to 2-4 units (220V).

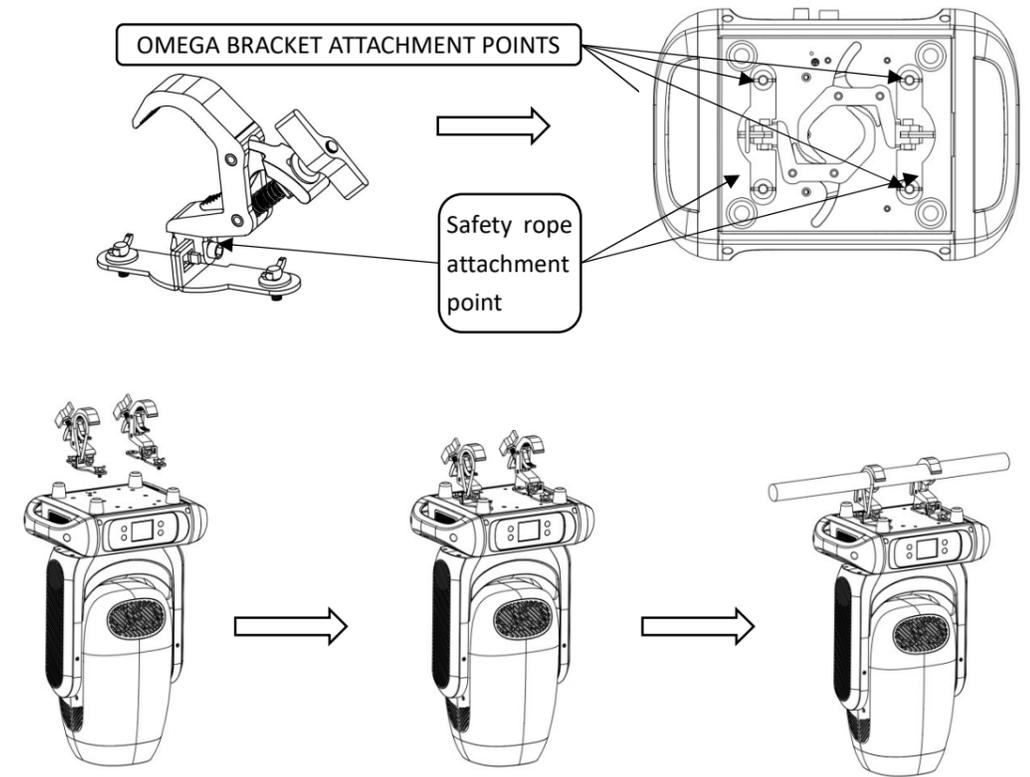


**Do not connect too many lamps to a single power cord, or overload it.
Do not use the power cord with damaged insulation, and do not put the power cord on other wires.
When the lamp is not in use or cleaned, please unplug the power cord.
Do not pull or plug in vigorously or drag the power cord directly.**

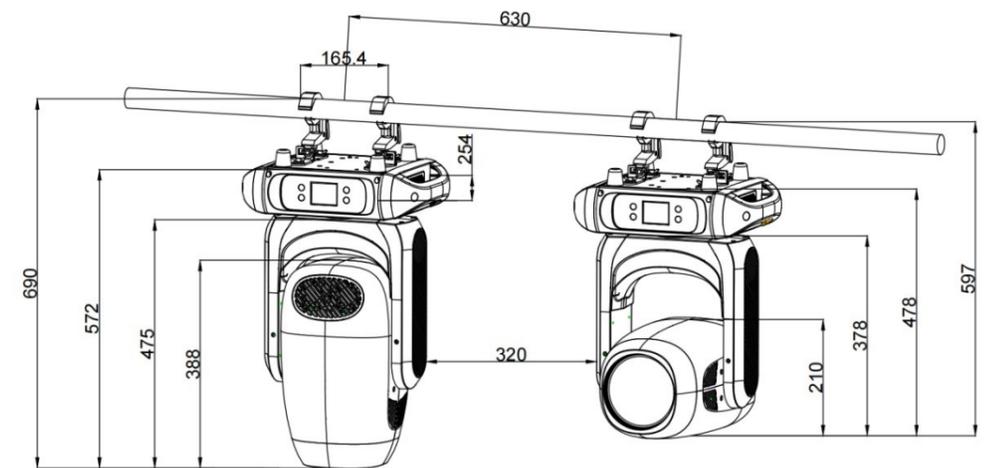




7.2 Fixed clamps Install

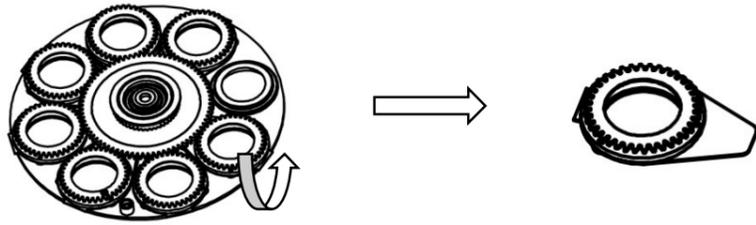


7.3 Luminaire size after installation

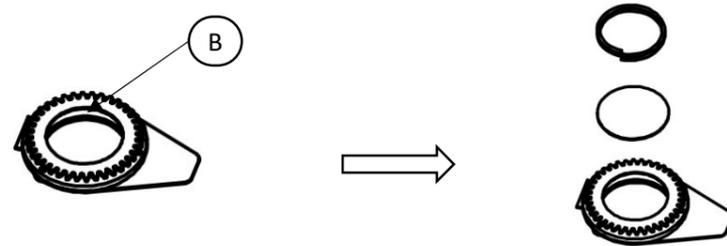


7.4 Precautions

- This product is only suitable for indoor use, and its protection level is IP20. The lamp should be kept clean, and should not be used in a humid or dusty environment. It should be maintained every three months.
- Only qualified professionals can install, operate and maintain the lamps, and ensure that the operation is

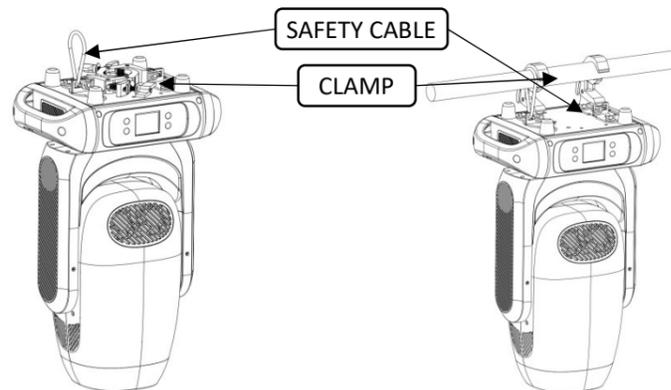
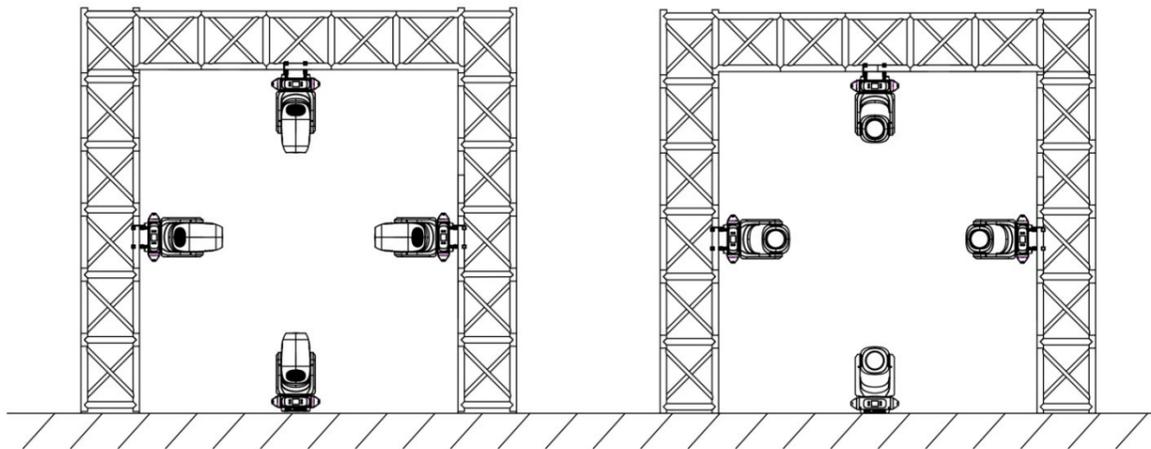


③ Use tweezers or other small graspable objects to take out the circlip at B. Please use professional tools to remove the circlip to avoid damage to the gobo.



7. Installation and connection

7.1 Installation diagram



5.4 Menu control channel

CONTROL CHANNEL		
CH	25CH	36CH
1	Pan	Pan
2	Pan Fine	Pan Fine
3	Tilt	Tilt
4	Tilt Fine	Tilt Fine
5	Speed Pan/Tilt	Speed Pan/Tilt
6	Shutter	Shutter
7	Dimmer	Dimmer
8	Zoom	Dimmer Fine
9	Focus	Zoom
10	Auto Focus	Zoom Fine
11	Auto Focus Fine	Focus
12	Color Wheel	Focus Fine
13	Cyan Color	Auto Focus
14	Magenta Color	Auto Focus Fine
15	Yellow Color	Color Wheel
16	CTO Color	Color Wheel Fine
17	Rotating gobo	Cyan Color
18	Rotating gobo index	Cyan Color Fine
19	Fixed Gobo	Magenta Color
20	Prism 1	Magenta Color Fine
21	Rotating prism 1	Yellow Color
22	Prism 2	Yellow Color Fine
23	Rotating prism 2	CTO Color
24	Frost	CTO Color Fine
25	Reset	Rotating gobos
26		Rotating gobo index
27		Rotating gobo indexing Fine
28		Fixed Gobo
29		Prism 1
30		Rotating prism 1
31		Rotating prism 1 indexing Fine
32		Prism 2

33		Rotating prism 2 index
34		Rotating prism 2 indexing Fine
35		Frost
36		Reset、LCD、Fans

5.5 DMX channel

Mode		Value	Function
25CH	36CH		
1	1		Pan Movement 8bit:
		0-255	Pan Movement
2	2		Pan Fine 16bit
		0-255	Fine control of Pan movement
3	3		Tilt Movement 8bit:
		0-255	Tilt Movement
4	4		Tilt Fine 16bit
		0-255	Fine control of Tilt movement
5	5		Speed Pan/Tilt movement:
		0-255	max to min speed
6	6		Shutter, strobe
		0-10	Shutter closed
		11-21	Shutter open
		22-126	Strobe effect slow to fast
		127-137	Shutter open
		138-201	Pulse-effect in sequences
		202-212	Shutter open
		213-244	Random strobe effect slow to fast
245-255	Shutter open		
7	7		Dimmer intensity:
		0-255	Intensity 0 to 100%
8	8		Dimmer intensity Fine:
		0-255	Dimmer intensity fine
8	9		Zoom:
		0-255	Zoom adjustment from small to big
9	10		Zoom Fine:
		0-255	Zoom adjustment Fine
9	11		Focus:
		0-255	Continuous adjustment from near to far
10	12		Focus Fine:
		0-255	Continuous adjustment Fine
10	13		Auto Focus:
		0-51	Auto Focus Off

6.2 Gobo Wheel

As shown in (Fig.6.2-1), 1 rotating gobo with 7 gobos.



As shown in (Fig.6.2-2), 1 fixed gobo wheel with 9 gobos.



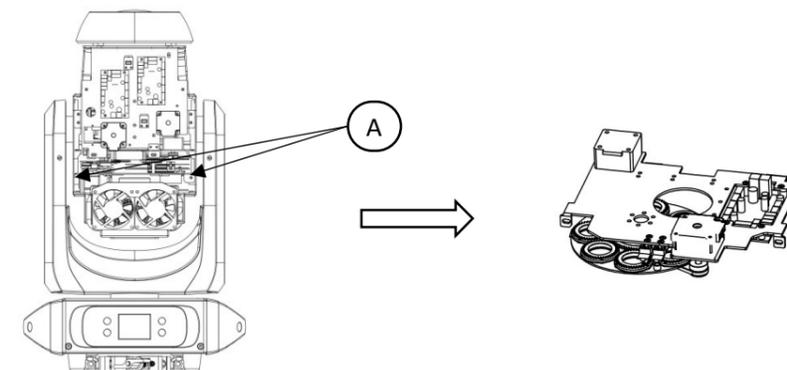
rotating gobo (Fig.6.2-1)

fixed gobo (Fig.6.2-2)

6.3 Gobo Replacement

Danger!
Please disconnect the power when installing/replacing the rotating gobo!

① Pull out the communication cable and signal transfer cable, unscrew the four screws at A with a screwdriver, and take out the component:



② As shown in the figure below, 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 piece;

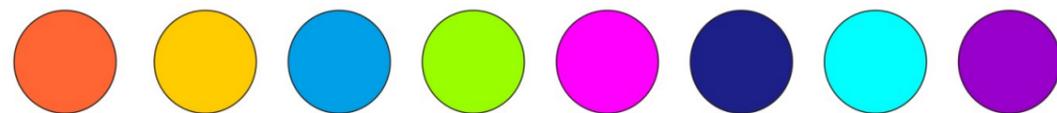
	60-69	High fan control mode
	70-79	Silent fan control mode
	80-82	Square Law
	83-85	Inv SQ Law
	86-88	Linear
	89-91	S Curve
	92-94	800Hz Refresh rate
	95-97	1200Hz Refresh rate
	98-100	3600Hz Refresh rate
	101-103	5000Hz Refresh rate
	104-106	10KHz Refresh rate
	107-109	15KHz Refresh rate
	110-112	20KHz Refresh rate
	113-115	25KHz Refresh rate
	116-118	Standard
	119-121	Stage
	122-124	TV
	125-127	Architecture
	128-130	Theatre
	131-149	unused
	150-159	All motor reset
	160-169	Scan motor reset
	170-179	Colors motor reset
	180-189	Gobo motor reset
	190-199	Other motor reset
	200-255	unused

		52-102	5m
		103-153	7.5m
		154-204	10m
		205-255	15m
11	14		Auto Focus Fine:
		0-255	Continuous adjustment Fine
			Color Wheel:
		0-19	Open
		20-25	Open/Color1
		26-31	Color1
		32-37	Color1/Color2
		38-43	Color2
		44-49	Color2/Color3
		50-55	Color3
		56-61	Color3/Color4
		62-67	Color4
		68-73	Color4/Color5
12	15	74-79	Color5
		80-85	Color5/Color6
		86-91	Color6
		92-97	Color6/Color7
		98-103	Color7
		104-109	Color7/Color8
		110-115	Color8
		116-121	Color8/Open
		122-127	Open
		128-189	Forwards rainbow effect from fast to slow
		190-193	No rotation
		194-255	Backwards rainbow effect from slow to fast
	16		Color Wheel Fine:
		0-255	Color Wheel colour change to any position Fine
13	17		Cyan Color:
		0-255	Cyan (0-white,255-100% Cyan)
	18		Cyan Color Fine:
		0-255	Cyan Fine
14	19		Magenta Color:
		0-255	Magenta (0-white,255-100% Magenta)
	20		Magenta Color Fine:
		0-255	Magenta Fine
15	21		Yellow Color:
		0-255	Yellow (0-white,255-100% Yellow)
	22		Yellow Color Fine:
		0-255	Yellow Fine

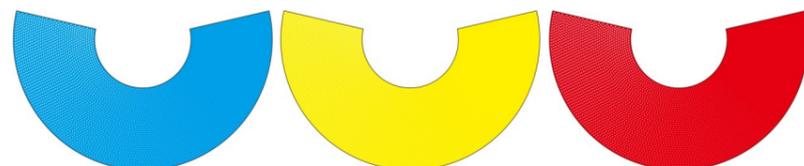
6. Function Description

6.1 Color Wheels

A: The color chip wheel consists of 8 high-standard fixed colors, which are composed as follows. When used with the pattern wheel, colorful pattern effects can be changed at will.



B: CMY+CTO linear



16	23		CTO Color:
		0-255	CTO (0-white,255-100% CTO)
	24		CTO Color Fine:
		0-255	CTO Fine
17	25		Rotating gobos,cont.rotation 1:
		0-7	Open
		8-20	Rot.gobo1
		21-33	Rot.gobo2
		34-46	Rot.gobo3
		47-59	Rot.gobo4
		60-72	Rot.gobo5
		73-85	Rot.gobo6
		86-98	Rot.gobo7
		99-111	Gobo 1 shake slow to fast
		112-124	Gobo 2 shake slow to fast
		125-137	Gobo 3 shake slow to fast
		138-150	Gobo 4 shake slow to fast
		151-163	Gobo 5 shake slow to fast
		164-176	Gobo 6 shake slow to fast
177-189	Gobo 7 shake slow to fast		
190-221	Gobo wheel rotation forwards from fast to slow		
222-223	No rotation		
224-255	Gobo wheel rotation backwards from slow to fast		
18	26		Rotating gobo index,rotating gobo rotation 1:
		0-127	Gobo indexing
		128-189	Forwards gobo rotation from fast to slow
		190-193	No rotation
		194-255	Backwards gobo rotation from slow to fast
	27		Rotating gobo indexing Fine 1:
		0-255	Fine indexing
19	28		Fixed Gobo2:
		0-9	Open
		10-17	Gobo 1
		18-25	Gobo 2
		26-33	Gobo 3
		34-41	Gobo 4
		42-49	Gobo 5
		50-57	Gobo 6
		58-65	Gobo 7
		66-73	Gobo 8
		74-81	Gobo 9
82-89	Gobo 10		
90-99	Gobo 1 shake slow to fast		

		100-109	Gobo 2 shake slow to fast
		110-119	Gobo 3 shake slow to fast
		120-129	Gobo 4 shake slow to fast
		130-139	Gobo 5 shake slow to fast
		140-149	Gobo 6 shake slow to fast
		150-159	Gobo 7 shake slow to fast
		160-169	Gobo 8 shake slow to fast
		170-179	Gobo 9 shake slow to fast
		180-189	Gobo 10 shake slow to fast
		190-221	Gobo wheel rotation forwards from fast to slow
		222-223	No rotation
		224-255	Gobo wheel rotation backwards from slow to fast
		20	29
0-127	Open		
128-255	Prism		
21	30		Rotating prism 1 index,rotating prism rotation
		0-127	Prism indexing
		128-189	Forwards prism rotation from fast to slow
		190-193	No rotation
		194-255	Backwards prism rotation from slow to fast
	31		Rotating prism 1 indexing Fine:
		0-255	Fine indexing
22	32		Prism 2:
		0-127	Open
		128-255	Prism
		23	33
0-127	Prism indexing		
128-189	Forwards prism rotation from fast to slow		
190-193	No rotation		
194-255	Backwards prism rotation from slow to fast		
	34		Rotating prism 2 indexing Fine:
		0-255	Fine indexing
24	35		Frost:
		0-127	Open
		128-255	Frost
		25	36
0-9	unused		
10-19	Display Off		
20-29	Display On		
30-36	Display Invert Off		
37-43	Display Invert On		
44-49	Display Invert Auto		
50-59	Auto fan control mode		