BOS LIGHTING

AMADEUS H800 IP

MAKE LIFE BRIGHTER

CONTACT

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SECTION 1
SAFETY INSTRUCTIONS & MAINTENANCE

This product is for professional use only. It is not for household use.

This product presents risks of severe injury or death due to fire and burn hazards, electric shock and falls.
Read this manual before installing, powering or servicing the fixture, follow the safety precautions listed below and observe all warnings in this manual and printed on the fixture. This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

If you have questions about how to operate the fixture safely, please contact us via info@bos-lighting.nl.

WARNING!
Read the safety precautions in this section before unpacking, installing, powering or operating this product.

- Review the following safety precautions carefully before installing or operating the fixture. This fixture must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the fixture and the hazards involved.

WARNING!
Risk of electric shock.

- Always power off/unplug the fixture before removing any covers.
- Ensure that the power is turned off when connecting the fixture to the AC mains supply.
- Do not apply power if the fixture is in any way damaged.
- Do not immerse the fixture in water or liquid.

WARNING!
Take measures to prevent burns and fire.

- Install in a location that prevents accidental contact with the fixture.
- Install only in a well-ventilated space.
- Install at least 0.3 m (12 in.) away from objects to be illuminated.
- Install only in accordance with applicable building codes.
- Ensure a minimum clearance of 0.1 m (4 in.) around the cooling fans.
- Do not paint, cover or modify the fixture.
- Keep all flammable materials away from the fixture.
- Allow the fixture to cool for 15 minutes after operation, before touching it.
- CAUTION: Exterior surface temperature after 5 min. operation = 45 °C

WARNING!
Take measure to prevent personal injury.

- Do not look directly at the light source from close range.
- Take precautions to prevent injury due to falls when working at height.
- For permanent installation, ensure that the fixture is securely fastened to a load-bearing surface with suitable corrosion-resistant hardware.
- For temporary installation with clamps, ensure that the quarter-turn fasteners are turned fully and secured with a suitable safety cable.
- The cable must be approved for a safe working load (SWL) of 10 times the weight of the fixture, and it must have a minimum gauge of 3 mm.

CAUTION!
Disconnect from mains before starting maintenance operation

The following points have to be considered during the inspection:
1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

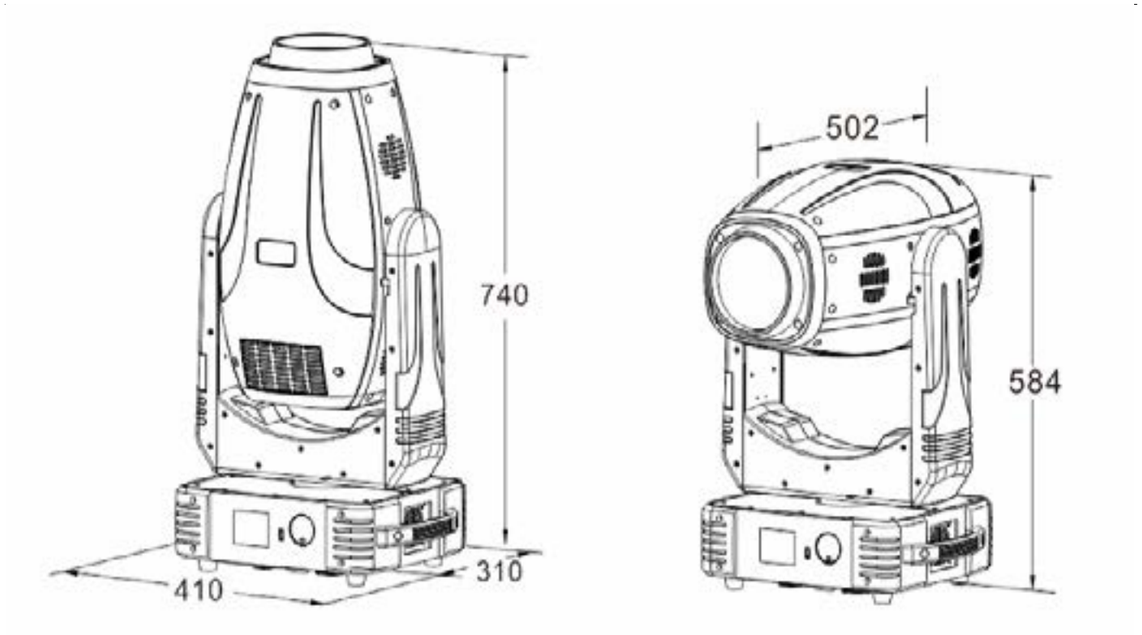
Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

SECTION 2
INSTALLATION

WHAT IS IN THE BOX?

- 1x AMADEUS H800 IP
- 1x Shuko -> True1
- 2x Brackets with quicklock
- 1x Safety cable

DIMENSIONS AMADEUS H800 IP

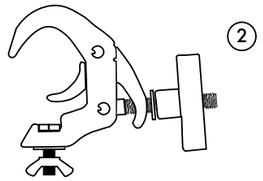


PREPARING

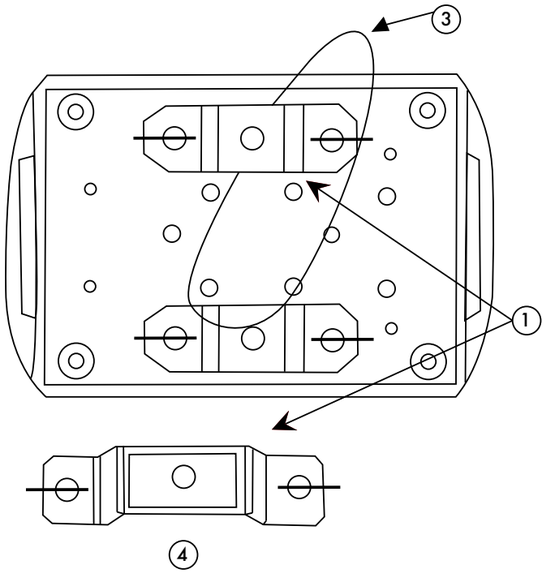
Unpack the fixture and inspect it to ensure that it has not been damaged during transport. Read the manual before installation.

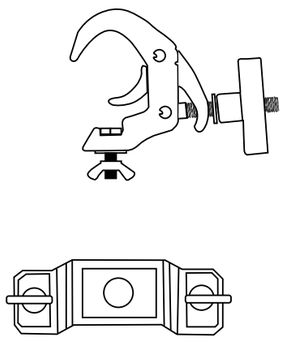
When selecting a location for the fixture, ensure that:
- It is situated away from public thoroughfares and protected from contact with people.
- It is placed with no chance of getting wet
- It has adequate ventilation.

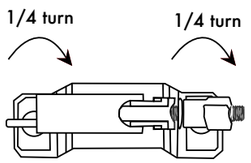
INSTALLATION OF THE CLAMP



1 : Omega Bracket
2 : Clamp
3 : Safety Cable
4 : 1/4 Turn Quick-Lock Fasteners

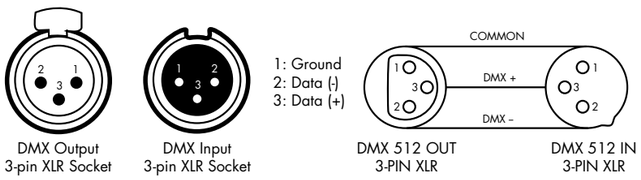


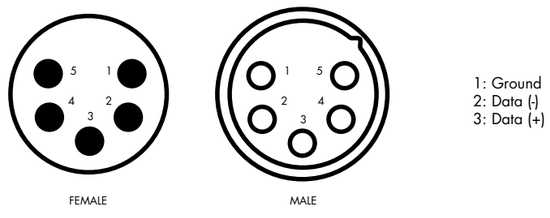




SECTION 3
DMX-512 CONTROL CONNECTIONS

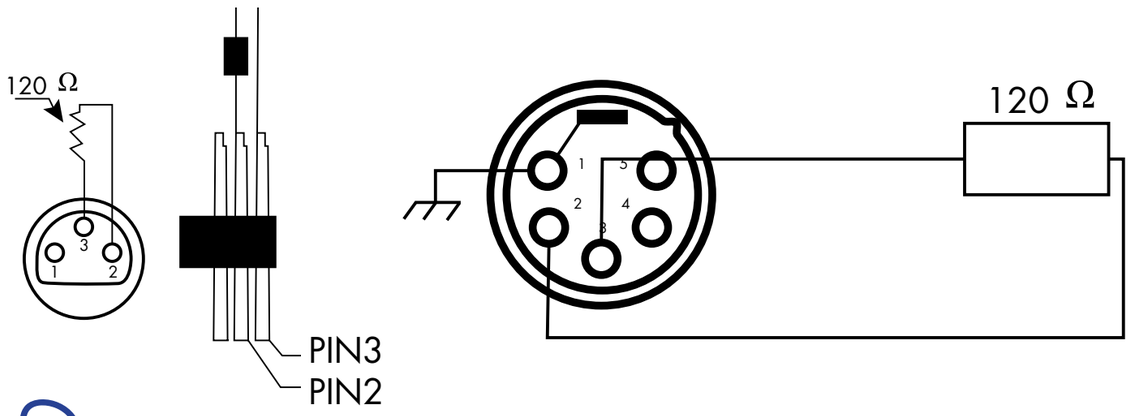
Connect the provided XLR cable to the female 3-pin XLR & 5-pin XLR output of your controller and the other side to the male 3-pin XLR & 5-pin XLR input of the moving head. You can chain multiple moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.





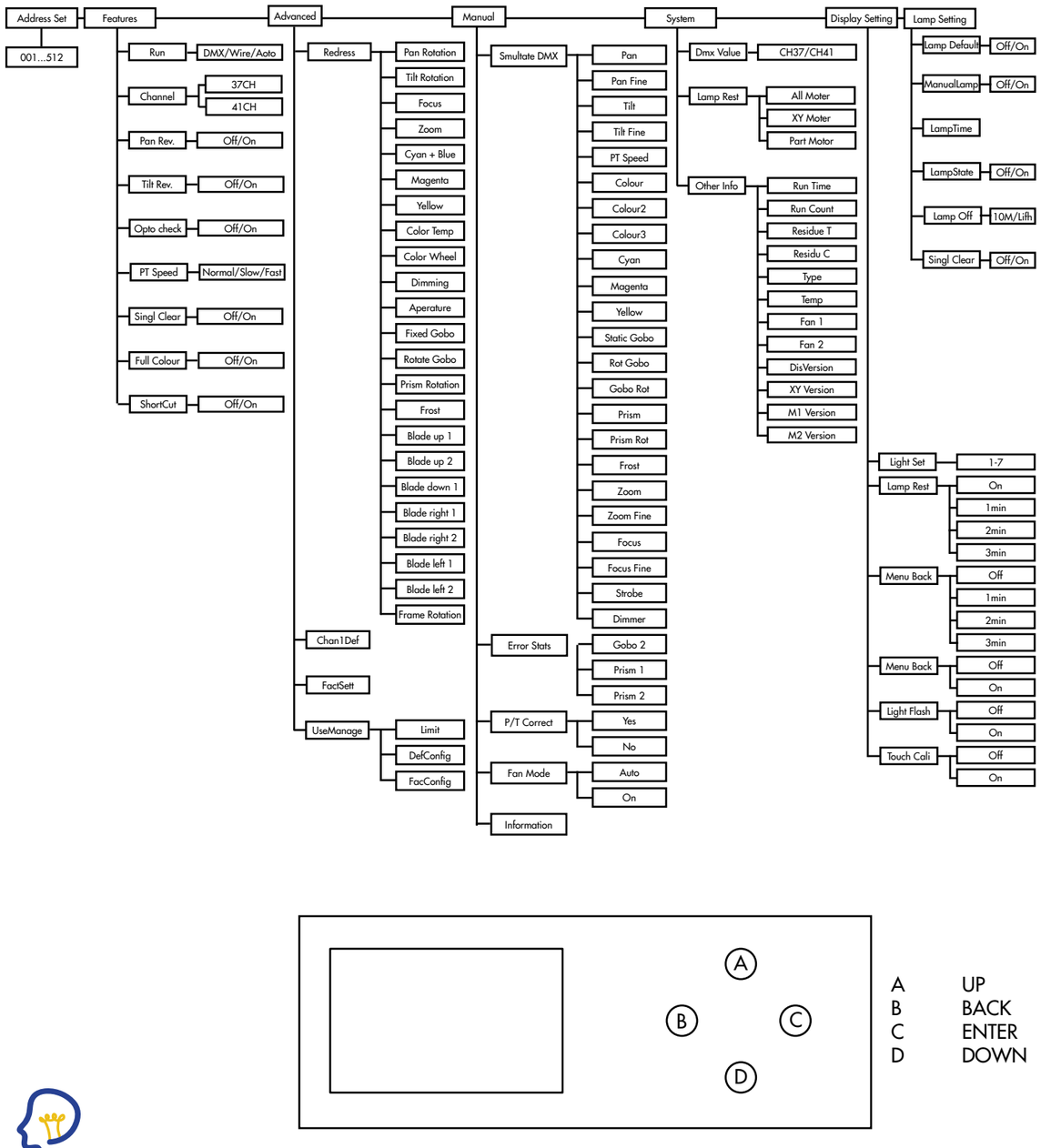
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Please see illustrations below.



SECTION 4
PHOTOMETRIC DATA

SECTION 5
MENU OVERVIEW



A UP
B BACK
C ENTER
D DOWN

SECTION 6
DMX CHANNELS

34 CHANNELS

	Fuction	Value	Discription
1	Pan	0–255	0–540 degrees
2	Pan Fine	0–255	0–2 degrees
3	Tilt	0–255	0–270 degrees
4	Tilt Fine	0–255	0–1 degrees
5	P/T Speed	0–255	From fast to slow
6	Shutter	0–3	Closed
		4–127	Slow to fast strobe
		128–191	Bisect strobe slow to fast
		192–251	Random strobe slow to fast
		252–255	Open
7	Dimmer	0–255	0–100% dimming
8	Cyan	0–255	Linear color
9	Magenta	0–255	Linear color
10	Yellow	0–255	Linear color
11	CTO	0-255	Linear Colortemp
12	Color	0-127	DMX Value Page
13	CRI	1–255	0–100% linear insert
14	Gobo	0–255	DMX Value Page
15	Gobo2	0–255	DMX Value Page
16	Gobo2 Rotation	0–127	Angle switch
		128–190	Forward Scrolling from fast to slow
		191–192	Stop
		193–255	Backward Scrolling from slow to fast
17	Effect wheel	0–9	There is no
		10–255	Effects tray Blade
18	Focus	0–255	From far to near
19	Focus Fine	0–255	
20	Zoom	0–255	From small to large
21	Prism 1	0–127	No Prism
		128–255	Prism
22	Prism 1 Rotation	0–127	Angle switch
		128–187	Forward Scroll forward from fast to slow
		188–195	Stop
		196–255	Backward Scrolling from slow to fast
23	Frost	0–127	None
		128–255	Frost Blade in
24	Blade 1	0–255	Linear insertion
25	Blade 2	0–255	Linear insertion
26	Blade 3	0–255	Linear insertion
27	Blade 4	0–255	Linear insertion
28	Blade 5	0–255	Linear insertion
29	Blade 6	0–255	Linear insertion
30	Blade 7	0–255	Linear insertion
31	Blade 8	0–255	Linear insertion
32	Blade Wheel	0–255	Slice Angle
33	Iris	0–127	Shrink function
		128–255	From large to small
34	Reset	0–255	DMX Value Page

SECTION 7
DMX VALUES

39CH	Fuction
1	Pan
2	Pan Fine
3	Tilt
4	Tilt Fine
5	P/T Speed
6	Shutter
7	Dimmer
8	Dimmer Fine
9	Zoom
10	Zoom Fine
11	Focus
12	Focus Fine
13	Autofocus
14	Autofocus Fine
15	Color
16	CRI Filter
17	Cyan
18	Magenta
19	Yellow
20	CTO
21	Gobo
22	Gobo2
23	Gobo2 Rotation
24	Gobo2 Rotation Fine
25	Effect wheel
26	Iris
27	Prism 1
28	Prism1 Rotation
29	Frost
30	Blade 1
31	Blade 2
32	Blade 3
33	Blade 4
34	Blade 5
35	Blade 6
36	Blade 7
37	Blade 8
38	Blade Wheel
39	Features

56CH	Fuction
1	Pan
2	Pan Fine
3	Tilt
4	Tilt Fine
5	P/T Speed
6	Shutter
7	Dimmer
8	Dimmer Fine
9	Zoom
10	Zoom Fine
11	Focus
12	Focus Fine
13	Autofocus
14	Autofocus Fine
15	Color
16	Color Fine
17	CRI Filter
18	CRI Filter Fine
19	Cyan
20	Cyan Fine
21	Magenta
22	Magenta Fine
23	Yellow
24	Yellow Fine
25	CTO
26	CTO Fine
27	Gobo
28	Gobo2
29	Gobo2 Rotation
30	Gobo2 Rotation Fine
31	Effect wheel
32	Iris
33	Iris Fine
34	Prism 1
35	Prism 1 Rotation
36	Prism 1 Rotation Fine
37	Frost
38	Blade 1
39	Blade 1 Fine
40	Blade 2
41	Blade 2 Fine
42	Blade 3
43	Blade 3 Fine
44	Blade 4
45	Blade 4 Fine
46	Blade 5
47	Blade 5 Fine
48	Blade 6
49	Blade 6 Fine
50	Blade 7
51	Blade 7 Fine
52	Blade 8
53	Blade 8 Fine
54	Blade Wheel
55	Iris
56	Reset

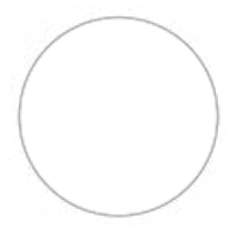
Gobo	0–9	White light
	10–19	Gobo 1
	20–29	Gobo 2
	30–39	Gobo 3
	40–49	Gobo 4
	50–59	Gobo 5
	60–69	Gobo 6
	70–79	Slow to Fast Shake Gobo 1
	80–89	Slow to Fast Shake Gobo 2
	90–99	Slow to Fast Shake Gobo 3
	100–109	Slow to Fast Shake Gobo 4
	110–119	Slow to Fast Shake Gobo 5
	120–129	Slow to Fast Shake Gobo 6
	130–190	Forward Scrolling from fast to slow
	191–194	Stop
	195–255	Backward Scrolling from slow to fast

Color	0-127	CMY
	128–137	White
	138–146	Red
	147–155	Orange
	156–164	Yellow
	165–173	Green
	174–182	Blue
	183–191	UV
	192–222	Scroll forward from fast to slow
	223–224	Stop
	225–255	Reverse Scrolling from slow to fast

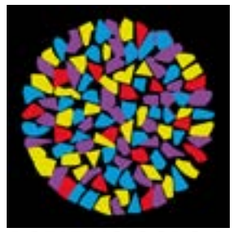
Gobo2	0–9	White Light
	10–19	Gobo 1
	20–29	Gobo 2
	30–39	Gobo 3
	40–49	Gobo 4
	50–59	Gobo 5
	60–69	Gobo 6
	70–79	Gobo 7
	80–89	Slow to Fast Shake Gobo 1
	90–99	Slow to Fast Shake Gobo 2
	100–109	Slow to Fast Shake Gobo 3
	110–119	Slow to Fast Shake Gobo 4
	120–129	Slow to Fast Shake Gobo 5
	130–139	Slow to Fast Shake Gobo 6
	140–149	Slow to Fast Shake Gobo 7
	150–190	Scroll from fast to slow
	191–192	Stop
	193–255	Backward Scrolling from slow to fast

Reset 6 seconds	0–100	Light Chase default (follow Settings)
	101–110	Auto mode
	111–120	Light Pursuit Mode 1
	121–130	Light Pursuit Mode 2
	210–215	Reset Pan Tilt
	220–235	Reset effect motor
	240–255	Reset all

SECTION 8
ROTATING GOBO



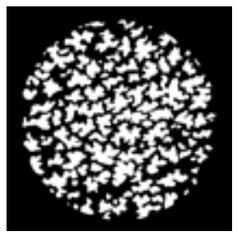
OPEN GOBO



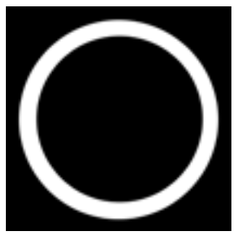
ROTATING GOBO 1

ROTATING GOBO 2

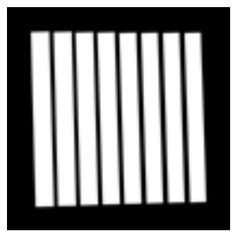
ROTATING GOBO 3



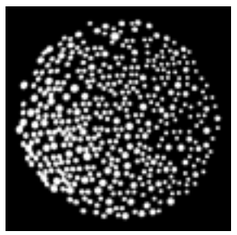
ROTATING GOBO 4



ROTATING GOBO 5



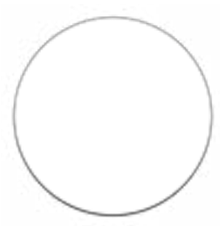
ROTATING GOBO 6



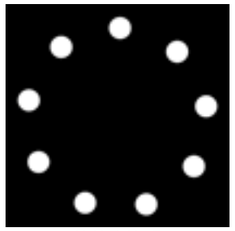
ROTATING GOBO 7

Note:
The images above are an virtual illustration of the rotating gobos.
The gobo might be slightly different from illustratied version.

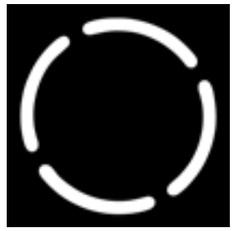
SECTION 9
STATIC GOBO



OPEN GOBO



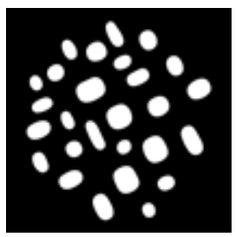
GOBO 1



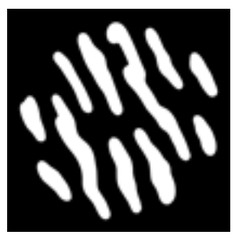
GOBO 2

GOBO 3

GOBO 4



GOBO 5



GOBO 6

Note:
The images above are an virtual illustration of the rotating gobos.
The gobo might be slightly different from illustratied version.

SECTION 9
TROUBLESHOOTING AND CLEANING

CAUTION!
Disconnect from mains before starting maintenance operation

The lamp contains professional components such as microcomputer circuit board and high-voltage power supply. For your safety and product life, non-professionals should not disassemble the lamp and related accessories without authorization.

The diode does not light up (except LED light source)
Possible cause: The bulb is not completely cooled, or the bulb has reached the end of its life, the treatment is as follows:
- Due to abnormal operation, the bulb is not completely cooled down, so let the lamp body cool down for more than 10 minutes to make the inside completely return to normal state, and then turn on the power again.
- Check whether the bulb has reached the end of its life, and replace it with a new one.
- Check whether the bulb and the lighter circuit are leaking, falling off, or having poor contact.
- Replace with a new light source.

The light beam appears dim
Possible cause: The bulb has been used for a long time or the light path is not clean, the treatment is as follows:
- Check whether the bulb has reached the end of its life, and replace it with a new one
- Check whether the optical components or bulbs are clean, and whether there is dust on the bulbs and other optical components.
- Regular cleaning and maintenance of the bulbs and components in the lamps are required.

Blurred pattern projection
Possible cause: Lenses are dirty or electronic focus is defect:
- Check if lenses are clean.
- Check whether the electronic focus channel value is suitable for the current projection distance.

The lamps work intermittently
Possible cause: The internal circuit enters the protection state, and the treatment is as follows
- Check whether the fan is operating normally or whether it is dirty, causing the internal temperature of the lamp to rise
- Check whether the internal temperature control switch is closed
- Check whether the bulb has reached the end of its service life, and replace it with a new one.

After the lamp is reset normally, it does not accept the control of the console
Possible cause: signal line failure or abnormal lamp parameter setting, the treatment is as follows:
- Check the start address code and check the connection of the DMX signal line (whether the signal line cable is intact, and whether the connection of the head is loose)
- Add signal amplifier, add 120 ohm terminal resistance.

The lamp can't start
Possible cause: bad power line, the treatment is as follows:
- Check whether the fuse on the power input socket is fused, replace the fuse.
- Lamps have poor line contact due to vibration during long-distance transportation.
- Check the input power, computer board and other plug-in devices.

CAUTION!
Disconnect from mains before starting cleaning operation

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.
1. Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2. Clean the fan each week.
3. A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".
Should you need any spare parts, please order genuine parts from your local dealer.

SECTION 10
TECHNICAL SPECIFICATIONS

Light Source	800W LED Module	
Optical properties	Beam angle	4.8°~50°
	Repetition rate	3000 Hz
Control	DMX	
	Master-slave and sound activated controllable or auto operation	
Number of DMX channels	34CH/39CH/56CH	
Power connections	Lockable True1 In/Out	
Control connections	DMX control	3-pin XLR In/Out
Power consumption	850 W	
Operating supply voltage	100 – 240 V 50/60 Hz	
Protection class	IP66	
Mounting options	Hanging with Two folding clamps	
Dimensions (W × H × D), with bracket	410 mm (W) - 660 mm (H) - 27,7 mm (D)	
Weight	28 kg	
Ambient conditions	Temperature range	0 °C ... 45 °C
Construction	Movinghead	
Number of LEDs	1	
Color mixture	CMY + 6 colors + white light + CRI (CT: 2500K - 6500K)	
LED type	800W High Output White LED	
Floor housing	Yes	
Fan	Internal Fans	
Wireless DMX	No	
Housing color	Black	
Temperature protect function	Electronic temperature control overheating protection, electronic temperature control automatic power-off protection when the overheating system fails	
Gobo Rotating	6 Rotating Gobos	
Gobo Static	8 Fixed Gobos + white	
Prism	4 prism, frost function	
LCD	LCD display, key + touch dual operation mode	