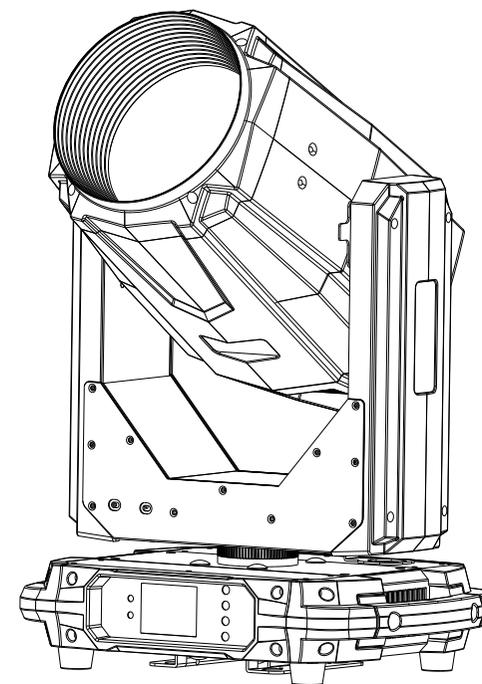


# SI-177N BEAM 380+



CE F ⊕ IP20 t<sub>a</sub> 40°C t<sub>c</sub> 150°C



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## User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

## 1 SAFETY INSTRUCTIONS



### CAUTION

Becareful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

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.



### 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.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

## 9 MAINTENANCE AND CLEANING

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.



### CAUTION

Disconnect from mains before starting maintenance 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 or solvents.

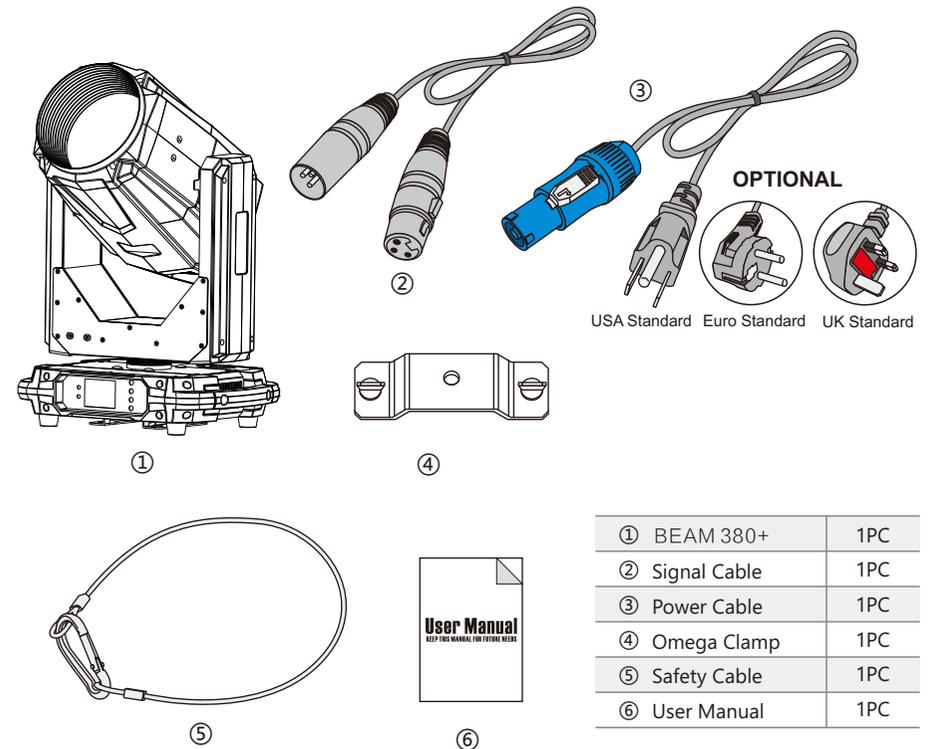
There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

## 2 UNPACKING

The BEAM 380+ is an entertainment moving head light that integrates BEAM+WASH in one fixture. It features a new and reliable OSRAM SIRIUS HRI 371W+ lamp with revolutionary technology. The beam angle is 2°. The fixture offers a short arc and compact design with a bright, even field of light, equating to a highly saturated color palette. The lamp equips with the reflector built-in, providing perfect lamp alignment. It is a fast and quiet moving head with a sharp parallel beam (perfectly defined edges) and even wash. This head offers a full complement of professional characteristics, including static gobo wheel, color wheel, 7-color effect wheel, 2 prisms, variable frost filter, motorized linear focus, variable speed shutter/strobe; and mechanical dimmer, full color 180° reversible TFT display with 4 control buttons, etc. The fixture supports DMX, RDM (Remote Device Management)

It's fast and quiet operation moving head. The fixture is tuned with proper refresh rate for flicker free operation for TV and FILM. It's a perfect option for large scale live concerts, TV productions, road shows, theatre, etc.



### 3 FEATURES & SPECIFICATIONS

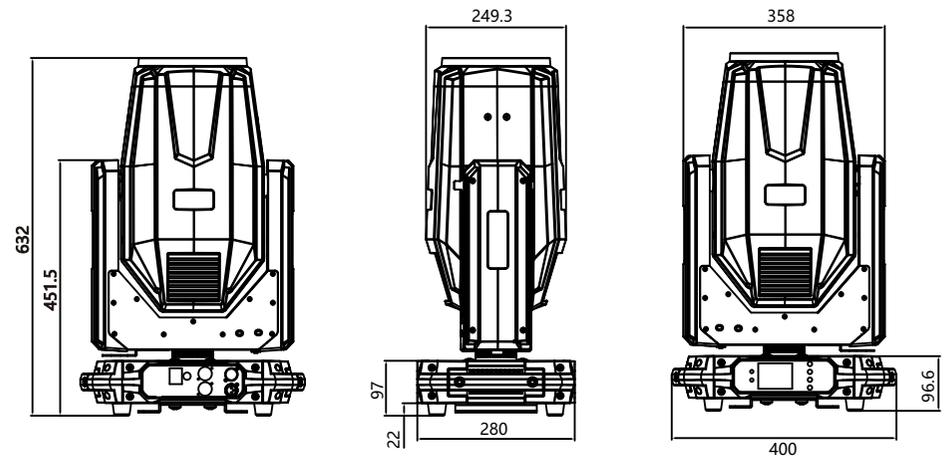
#### Features

OSRAM SIRIUS HRI 371W+ lamp  
 Color Temperature: 7700K(+/-500K)  
 CRI: ≥85(+/-5)  
 Luminous Flux: 19000lm (source)  
 Flicker free operation for broadcast TV and FILM  
 A set of high resolution and precise optics  
 Large size front glass lens  
 2° Beam angle  
 Smooth electronic focus  
 PAN movement: 540° (8/16 bit)  
 TILT movement: 270° (8/16 bit)  
 Fast, quiet, smooth and precise 3-Phase motors  
 1 Color wheels with 14 dichroic colors plus open (half color mode available)  
 Variable direction rainbow effect with speed adjustable  
 7-Color effect wheel  
 1 Static gobo wheel with 13 gobos plus open and gobo shaking  
 16-Facet prism with variable speed and direction  
 8+16-Facet prism with variable speed and direction  
 Prism morphing effect  
 0-25Hz shutter/strobe effect with variable speed  
 Preset variable/random strobe effect with variable speed  
 0-100% Smooth linear mechanical dimming  
 Frost filter (Hybrid effect for wash)  
 Even and soft coverage  
 16/22 DMX channels USITT DMX-512  
 DMX512, master-slave, sound activated or auto operation  
 DMX recorder and edit function integrated  
 RDM available (Remote Device Management)  
 Art-NET (Optional)  
 Wireless Solution' s wireless receiver system built-in (Optional)  
 RJ45 ethernet connectors IN/OUT (Optional)  
 Shielded input signal protection for stable signal without interference  
 3-Pin XLR connectors IN/OUT  
 Different kinds of built-in programs

			128~255	Insert frost
CH11	CH11	FOUSE	000-255	FOUSE(far to near)
CH12	CH12	PAN	000-255	0~540°
	CH13	PAN FINE	000-255	
CH13	CH14	TILT	000-255	0~270°
	CH15	TILT FINE	000-255	
CH14	CH16	NULL	0-127	
CH15	CH17	RESET	26-76	Reset effect (stay over 6 second)
			77-127	Reset PAN TILT (stay over 6 second)
			128-255	Reset light (stay over 6 second)
CH16	CH18	LAMP	0~25	none
			26~100	Turn off lamp (stay over 3 second)
			101~255	Turn on lamp (stay over 3 second)
	CH17	P/T SPEED	0~255	PAN & TILT SCAN SPEED FAST TO SLOW
	CH18	COLOR SPEED	0~255	COLOR SPEED FAST TO SLOW
	CH19	FOCUS SPEED	0~255	FOCUS SPEED FAST TO SLOW
	CH20	GOBO SPEED	0~255	GOBO SPEED FAST TO SLOW

CH3	CH3	DIMMING	000-255	dimming 0~100%
CH4	CH4	GOBO	0-4	WHITE
			5-9	Gobo1
			10-14	Gobo2
			15-19	Gobo3
			20-24	Gobo4
			25-29	Gobo5
			30-34	Gobo6
			35-39	Gobo7
			40-44	Gobo8
			45-49	Gobo9
			50-54	Gobo10
			55-59	Gobo11
			60-64	Gobo12
			65-69	Gobo13
			70-74	Gobo 14
			75-128	Rotate forward (Fast -- slow)
			129-131	stop (white)
			132-185	Rotate reverse (Slow -- fast)
			186-190	Gobo1,shaking slow to fast
			191-195	Gobo2,shaking slow to fast
			196-200	Gobo3,shaking slow to fast
			201-205	Gobo4,shaking slow to fast
			206-210	Gobo5,shaking slow to fast
			211-215	Gobo6,shaking slow to fast
			216-220	Gobo7,shaking slow to fast
221-225	Gobo8,shaking slow to fast			
226-230	Gobo9,shaking slow to fast			
231-235	Gobo10,shaking slow to fast			
236-240	Gobo11,shaking slow to fast			
241-245	Gobo12,shaking slow to fast			
246-250	Gobo13,shaking slow to fast			
251-255	Gobo 14,shaking slow to fast			
CH5	CH5	PRISM1	0~127	White
			128~255	Insert prism1
CH6	CH6	PRISM1 ROT	0-127	Angle 0~400
			128-187	Rotate forward (Fast -- slow)
			188-195	Stop
			196-255	Rotate reverse (Slow -- fast)
CH7	CH7	PRISM 2	0~127	White
			128~255	Insert prism2
CH8	CH8	PRISM2 ROT	0-127	Angle 0~400
			128-187	Rotate forward (Fast -- slow)
			188-195	Stop
			196-255	Rotate reverse (Slow -- fast)
CH9	CH9	7 COLOUR	0~127	White
			128~255	Insert 7 colour
CH10	CH10	FROST	0~127	No frost

2.4" High resolution TFT LCD display  
 4 Control buttons  
 180° Reversible for LCD display  
 Display auto OFF  
 Advanced cooling system  
 Efficient low noise self adjusting fan cooling system  
 Constant temperature readout and management function  
 Over temperature protection management  
 Electronic ballast: OSRAM PT SIRIUS 370W–Unishape  
 Electronic supply with active PFC  
 PowerCON connectors IN/OUT  
 –25°C to 45°C ambient temperature  
 IP20 protection rating  
 AC100–240V 50/60Hz  
 560W Power consumption  
 N.W.: 21.4kg  
 G.W.: 25.7kg  
 Product Dimensions: 280(D)\*400(W)\*632(H)mm  
 Packing Dimensions: 495(D)\*595(W)\*680(H)mm

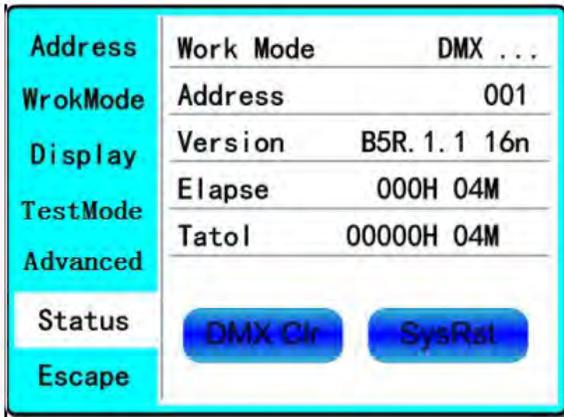


## 4 OPERATION INSTRUCTIONS

- The BEAM 380+ is for beam effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

## 8 DMX CHANNELS

CH1	CH2	NAME	Value	BRIEF
CH1	CH1	COLOR	0-4	WHITE
			5-9	WHITE+COLOR1
			10-14	COLOR1
			15-19	COLOR1 + COLOR2
			20-24	COLOR2
			25-29	COLOR2 + COLOR3
			30-34	COLOR3
			35-39	COLOR3 + COLOR4
			40-44	COLOR4
			45-49	COLOR4 + COLOR5
			50-54	COLOR5
			55-59	COLOR5 + COLOR6
			60-64	COLOR6
			65-69	COLOR6 + COLOR7
			70-74	COLOR7
			75-79	COLOR7 + COLOR8
			80-84	COLOR8
			85-89	COLOR8 + COLOR9
			90-94	COLOR9
			95-99	COLOR9 + COLOR10
100-104	COLOR10			
105-109	COLOR10 + COLOR11			
110-114	COLOR11			
115-119	COLOR11 + COLOR12			
120-124	COLOR12			
125-129	COLOR12 + COLOR13			
130-134	COLOR13			
135-139	COLOR13 + COLOR14			
140-144	COLOR14			
145-149	COLOR14 + WHITE			
150-202	Rotate forward (Fast -- slow)			
203-255	Rotate forward (slow----Fast )			
CH2	CH2	STROBE	0-3	Dark
			4-103	Strobe from slow to fast
			104-107	White
			108-207	Pulse strobe from slow to fast
			208-212	White
			213-251	Random strobe from slow to fast
252~255	White			



page of status

- ◆ **Work Mode:** Show the current working mode.
- ◆ **Address:** Show the current address.
- ◆ **Version:** Show the version of the lamp.
- ◆ **Elapse:** Working hours after turn on.
- ◆ **Tatal:** Cumulative hours of operation

**DMX Clr** When <Data hold> set<ON>, click to clear DMX data, and make the lamp return to the middle position.

**SysRst** Click to reset.

## 5 INSTALLATIONS

**Cautions:** For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

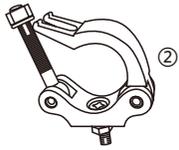
from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 16m (1.5 ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

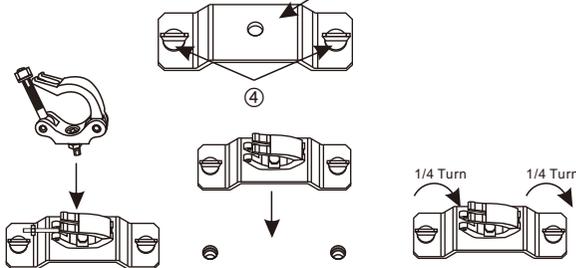
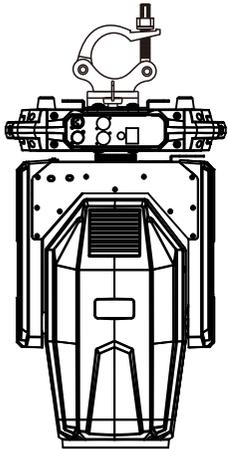
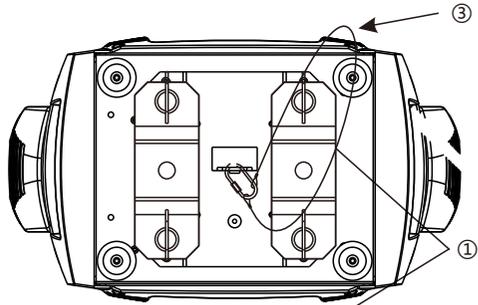
**Mounting points:** Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

**Clamp Mounting:** The BEAM 380+ provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.



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



Regardless of the rigging option you choose for your BEAM 380+ , always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

<b>Address</b>	PAN Inset	OFF
<b>WorkMode</b>	TILT Inset	OFF
<b>Display</b>	P/T Rectify	ON
<b>TestMode</b>	PAN Offset	010
	TILT Offset	010
<b>Advanced</b>	Lamp when	Power ON
<b>Status</b>	Data hold	OFF
<b>Escape</b>	Factory Setting	

page of run parameter

- ◆ **Pan Invert: Reverse PAN move**  
OFF--> Pan Normal move.(Default)  
ON--> Reverse PAN move.
- ◆ **Tilt Invert: Reverse TILT move**  
OFF--> Tilt Normal move.(Default)  
ON--> Reverse Tilt move.
- ◆ **P/T Rectify: Disable or enable position rectify function.**  
OFF--> Disable P/T rectify  
ON--> Enable P/T rectify-(Default)
- ◆ **Pan Offset:** Set PAN original position. **Default: 10**
- ◆ **Tilt Offset:** Set TILT original position. **Default: 10**
- ◆ **Lamp when:**  
PowerON--> Turn on the lamp when power on.(Default)  
RstDone--> Turn on the lamp after reset.  
Manual--> Manually turn on the lamp.
- ◆ **Data hold:**  
OFF--> When no DMX signal,return to middle position.(Default)  
ON--> When no DMX signal,stop in the final position.
- ◆ **Factory Setting:** Restore all parameter to factory setting.

- ♦ **Language:** English / 中文.
- ♦ **Screen Saver:** when panel is idle(these is no operation in 10 second), displayer will enter saver status.

OFF--> No screen saver.

Mode1--> Power-saving mode, turn off the display.

Mode2--> Displays the current address.

Mode3--> Displays the icon and the current working mode.(Default)

- ♦ **Screen Rotion: To turning display.**

ON--> Normal display.(Default)

OFF--> 180° turning display.

- ♦ **Touch enable:** Disable or enable touch function,.

ON--> Enable touch function.(Default)

OFF--> Dosable touch function.

- ♦ **Touch adjust:** Adjust touch function. Normally, not enter this item.

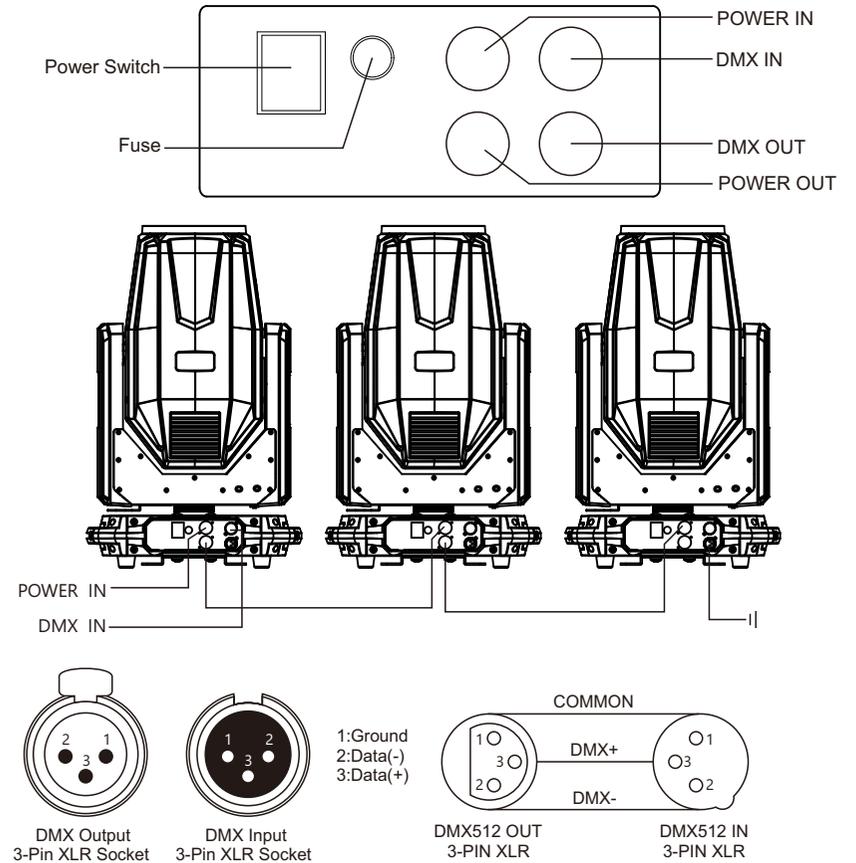
Address	PAN	000
WorkMode	TILT	000
Display	FOCUS	000
TestMode	COLOR	000
	GOBO	000
Advanced	PRISM	000
	Status	FROST
Escape	STROBE	000

page of Test

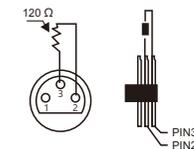
- ♦ **PAN:** range for 0 to 255;
- ♦ **TILT:** range for 0 to 255;
- ♦ **FOCUS:** range for 0 to 255;
- ♦ **COLOR:** range for 0 to 255;
- ♦ **GOBO:** range for 0 to 255;
- ♦ **PRISM:** range for 0 to 255;
- ♦ **FROST:** range for 0 to 255;;
- ♦ **STROBE:** range for 0 to 255;

## 6 DMX-512 CONTROL CONNECTIONS

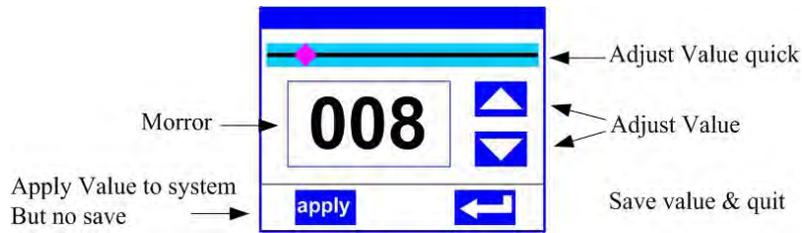
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.  
DMX-512 connection with DMX terminator



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, 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.



# 7 MENU OPERATIONS



Address	001	MDX Ctrl	√	Address	语言	English
WorkMode	18CHA 01.01	WorkMode	Auto Run	WorkMode	Screen saver	Mode3
Display	18CHA 01.01	Display	Sound Ctrl	Display	Screen Rot	Auto
Scene		Scene	Scene Mode Auto	Scene	DMX Indicate	Mode3
Advanced		Advanced	M/S Choose Auto	Advanced	Signal Bright	005
Status	Channel SysRst	Status	Light Switch OFF	Status	Screen Light	010
Escape		Escape		Escape	Touch Ensbble	ON

Address	Scene Select 1	Address	Pan Invert OFF	Address	Stepper info	▶
WorkMode	Scene Time 0.0s	WorkMode	Tilt Invert OFF	WorkMode	Error Logging	▶
Display	01.Pan 000	Display	P/T Rectify ON	Display	Fixture Status	▶
Scene	02.Pan Fine 000	Scene	Pan Offset 010	Scene	Version A2.1.0	▶
Advanced	03.Tilt 000	Advanced	Tilt Offset 010	Advanced	Light time 0.00	▶
Status	04.Tilt Fine 000	Status	Data hold OFF	Status	Total time 2:15	
Escape	05.PT Spd 000	Escape	Lamp when Manual	Escape		
Escape	06.Dimmer 000	Escape	Factory Setting	Escape		

Address	
WorkMode	
Display	001
TestMode	
Advanced	
Status	
Escape	

page of DMX Address

MODE--> WorkMode: Set Light work mode

Enter the page of ' WorkMode' as shown in Figure 8 and modify setting. Can set light work mode, control lamp and DMX channel mode.

Address	DMX Ctrl	✓
WorkMode	Auto Run	
Display	Sound Ctrl	
TestMode	M/S choose	OFF
Advanced	Light Switch	OFF
Status	Channel Qty	sample
Escape		

page of work mode

- ◆ **DMX Ctrl:** Choose to set DMX Mode,
- ◆ **Auto Run:** Choose to set Auto Mode,
- ◆ **Sound Ctrl:** Choose to set Sound Mode,
- ◆ **M/S Choose:** Available just in ' AUTO RUN' or ' SOUND Ctrl' mode.  
ON--> Master. (Data will be send to other slave lamp immediately.)  
OFF--> Slaver.(NOT send data to other lamp via DMX Cable).(Default)
- ◆ **Light Switch:**  
ON--> Turn on the light,  
OFF--> Turn off the light.
- ◆ **Channel Qty:** Light support 2 DMX Channel mode: sample or extend.  
Simple --> 16CH.(Default)  
Expand--> 20CH(or null).

Address	语言	English
WorkMode	Screen saver	Mode3
Display	Screen rotation	OFF
TestMode	Touch Enable	ON
Advanced	Touch Rectify	
Status		
Escape		

page of display