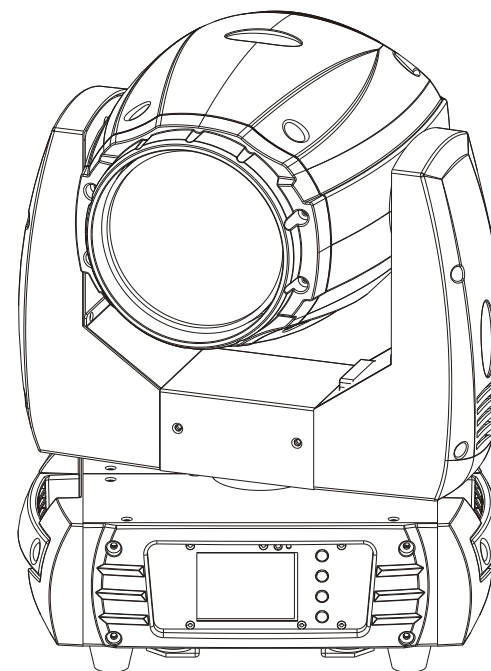


ENCORE
PROFESSIONAL LIGHTING

AuraBeam™ 150 LED



CE   IP20 LED  0.2m  t_a 40°C t_c 150°C

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1 SAFETY INSTRUCTIONS



CAUTION

Becareful with your operations. With a dangerous voltage you cansuffer 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.

10 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".

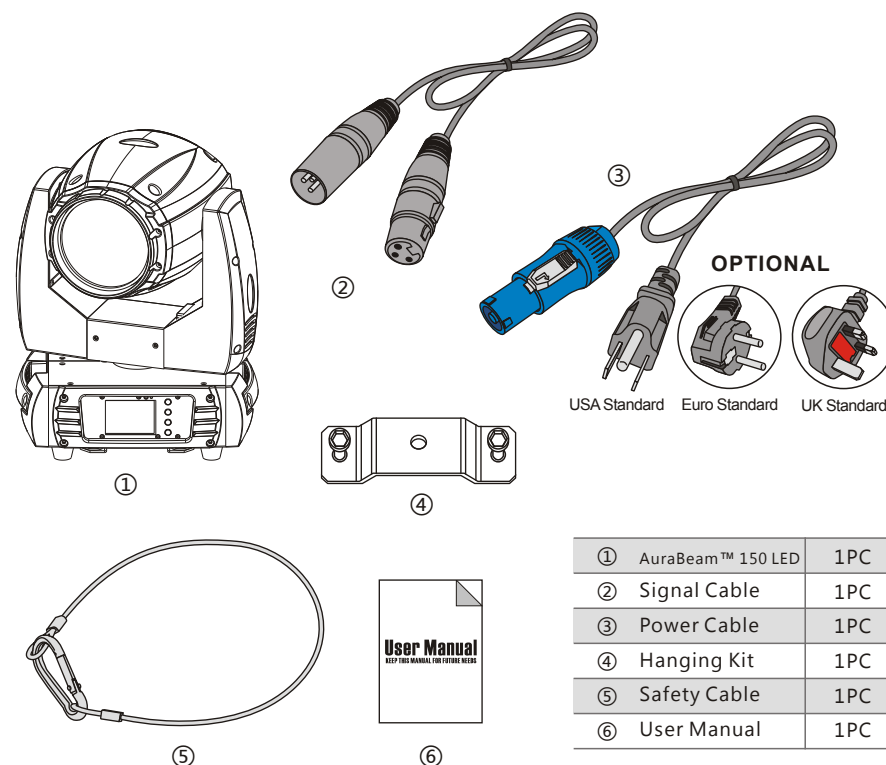
Should you need any spare parts, please order genuine parts from your local dealer.

2 UNPACKING

Thank you for choosing our AuraBeam™ 150 LED. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The AuraBeam™ 150 LED is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The AuraBeam™ 150 LED adopts a 150W white LED lamp which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



①	AuraBeam™ 150 LED	1PC
②	Signal Cable	1PC
③	Power Cable	1PC
④	Hanging Kit	1PC
⑤	Safety Cable	1PC
⑥	User Manual	1PC

3 FEATURES & SPECIFICATIONS

Features

- A 150W white LED lamp, 7500K
- 50000 hours life span and low power consumption
- 8/16 bit smooth and precise resolution for PAN/TILT movement
- 360°/540°/630° PAN and 90°/180°/270° TILT movement
- PAN/TILT inversion available
- Scan position memory, auto reposition after unexpected movement
- Specific high precision glass optic system with 2° projection angle
- Improved optics and flat beam field
- 1 static gobo wheel with 17 gobos plus open
- 1 color wheel with 14 colors plus open
- Variable direction rainbow effect with speed adjustable
- 2 meter to infinite electric focus
- 8-facet prism with variable speed and direction
- 0-100% linear LED dimmer
- 25T/sec high speed LED shutter/strobe effect with variable speed
- Preset variable/random strobe and dimming pulse effect
- Art-Net, King-Net, DMX
- 13/15 DMX channels USITT DMX-512
- DMX512, master-slave, and sound activated controllable or auto operation
- DMX recorder and edit function integrated
- Blue LCD display
- POWERCON connector IN/OUT
- 3-pin XLR connectors IN/OUT
- Fan cooling system
- Constant temperature readout and management function
- 45°C max ambient temperature
- IP20 protection rating
- 55dB at 3'dB rating
- 1*1/4 turn fastening Omega clamp
- 1* Safety attachment point

13	13	Special function	30-39	No function
			40-79	No function
			80-84	All Motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	Shutter&Dimmer motor reset
			97-99	Other motor reset
			100-119	Internal program 1
			120-139	Internal program 2
			140-159	Internal program 3
			160-179	Internal program 4
			180-199	Internal program 5
			200-219	Internal program 6
			220-239	Internal program 7
			240-255	Internal Sound program 1

Vector Mode	Function	Values	Description
	14	Color Time	0-255 Max to min speed
	15	Gobo Time	0-255 Max to min speed

			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot. gobo wheel cont. rotation slow to fast
7	7	Shutter	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
8	8	Dimmer	0-255	Dimmer 0%...100%
9	9	Focus	0-255	In(near) to out(far)
10	10	Rrotating prism, Prism	0-5	OFF
			6-127	ON
			128-189	Forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Forwards rotation from fast to slow
11	11	Frost	0-199	Frost swing out
			200-255	Frost swing in
12	12	Speed pan/tile	0-225	Max to min speed
			226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	No function
			0-19	No function
			20-29	No function

Specifications

Input Voltage: AC90-260V 50/60Hz

LED Quantities: 1*150W white LED

Control Signal: DMX512, master-slave and sound activated or auto operation

Control protocols: Art-Net, King-Net, DMX

Control Channel: 13/15 DMX channels USITT DMX-512

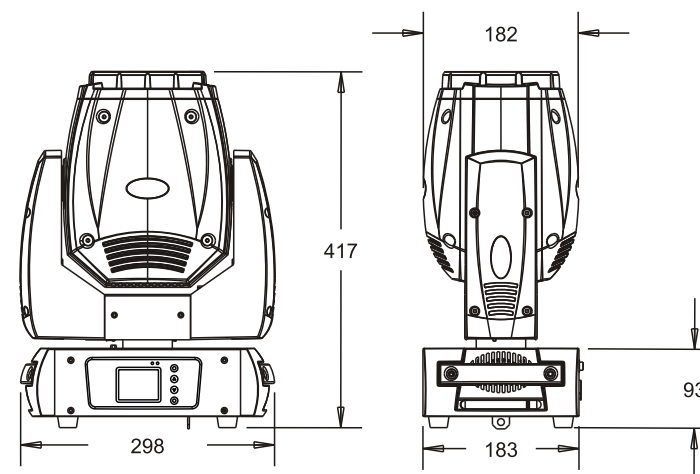
Power Consumption: 170W

Dimensions: 183(D)*298(W)*417(H)mm

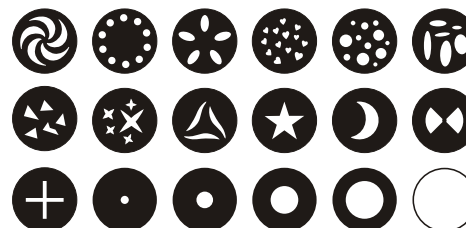
Packing Dimensions: 400(D)*510(W)*280(H)mm

Net Weight: 11kg

Gross Weight: 12kg



Static gobos

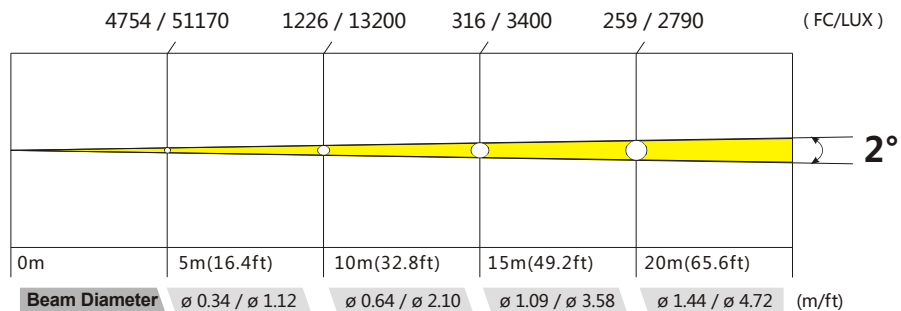


Colors



4 PHOTOMETRIC DATA

Photometric Beam Angle Data 2° Beam Angle $LUX \times 0.0929 = FC$



5 OPERATION INSTRUCTIONS

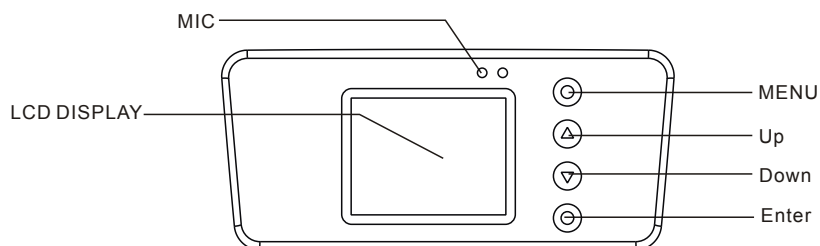
- The AuraBeam™ 150 LED is for beam effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal 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

9 DMX CHANNELS

Mode/Channel	Function	Values	Description
16B	DE		
1	1	Pan	0-255 PAN Movement
2	2	Pan-fine	0-255 Fine control of Pan movement
3	3	Tilt	0-255 Tilt Movement
4	4	Tilt-fine	0-255 Fine control of Tilt movement
5	5	Color wheel	0-7 Open / white
			8-15 Color 1
			16-23 Color 2
			24-31 Color 3
			32-39 Color 4
			40-47 Color 5
			48-55 Color 6
			56-63 Color 7
			64-71 Color 8
			72-79 Color 9
			80-87 Color 10
			88-95 Color 11
			96-103 Color 12
			104-111 Color 13
			112-127 Color 14
			128-189 Forwards rainbow effect from fast to slow
6	6	Gobo wheel 1	190-193 Color rotation stop
			194-255 Backwards rainbow effect from slow to fast
			0-4 Open
			5-9 Gobo 1
			10-14 Gobo 2
			15-19 Gobo 3
			20-24 Gobo 4
			25-29 Gobo 5
			30-34 Gobo 6
			35-39 Gobo 7
			40-44 Gobo 8
			45-49 Gobo 9
			50-54 Gobo 10
			55-59 Gobo 11
			60-64 Gobo 12
			65-69 Gobo 13
			70-74 Gobo 14
			75-79 Gobo 15

8 MENU OPERATIONS

MENU	Function Mode	Dmx Address	A001~AXXX	DMX address setting
		Channel Mode	CH13 MODE	CH13 MODE
			CH15 MODE	CH15 MODE
		Auto Run	Internal Program1~8	Auto run
	Option	Music Control	Internal Program1~8	Sound Control
		Reset Default	Yes/No	Reset Default
		Ethernet Set	ArtNet to DMX (On/Off)	Enabled ArtNet to DMX
			Device IP Addr:XXX.XXX.XXX.XXX	Device IP Address Setting
			Ctrl IP Addr:XXX.XXX.XXX.XXX	Ctrl IP Address Setting
			Universe:0-255	ArtNet Protocol prot Setting
		Reverse Pan/Tilt	Protocol Set:Kling-Net /ArtNet(Default)	Ethernet Protocol Selection
			Reverse PAN (On/Off)	Reverse Pan
			Reverse TILT (On/Off)	Reverse Tilt
			Select Pan 630°/540°/360°	Select Pan
		UI SET	Select Tilt 270°/180°/90°	Select Tilt
			MIC sensitivity 0~99%	Mic Sensitivity
			OFF Signal Mode (On/Off)	Signal Mode
	Information	Temperature	XXX°C/°F	Current Temperature
		Software Version	V1.0~9.9V	Software Version
	Manual Control	Reset	Total Reset	Total Reset
			Pan/Tilt Reset	Pan/Tilt Reset
			Color Reset	Color Reset
			Gobo Reset	Gobo Reset
			The Others Reset	The Others Reset
	ADVANCED (Access Code 088)	Channel	PAN=XXX.....	Channel Control
		Calibration	Pan=XXX.....	Calibration



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.

6 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 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

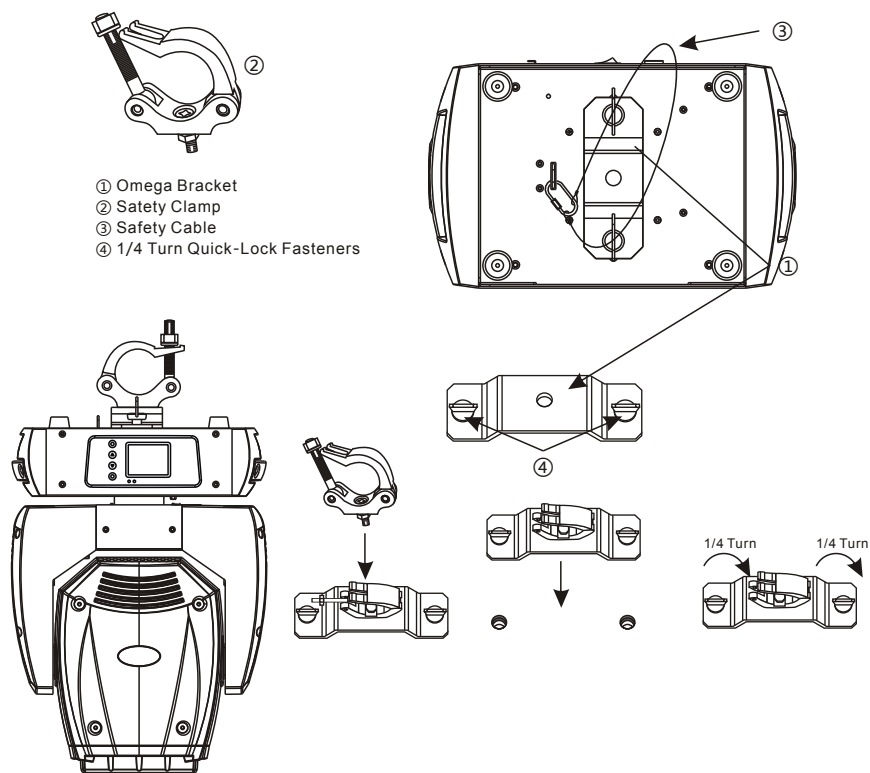
Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

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 AuraBeam™ 150 LED provides two unique mounting bracket assembly that integrates the bottom of the base, the included “Omega Bracket,” 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.

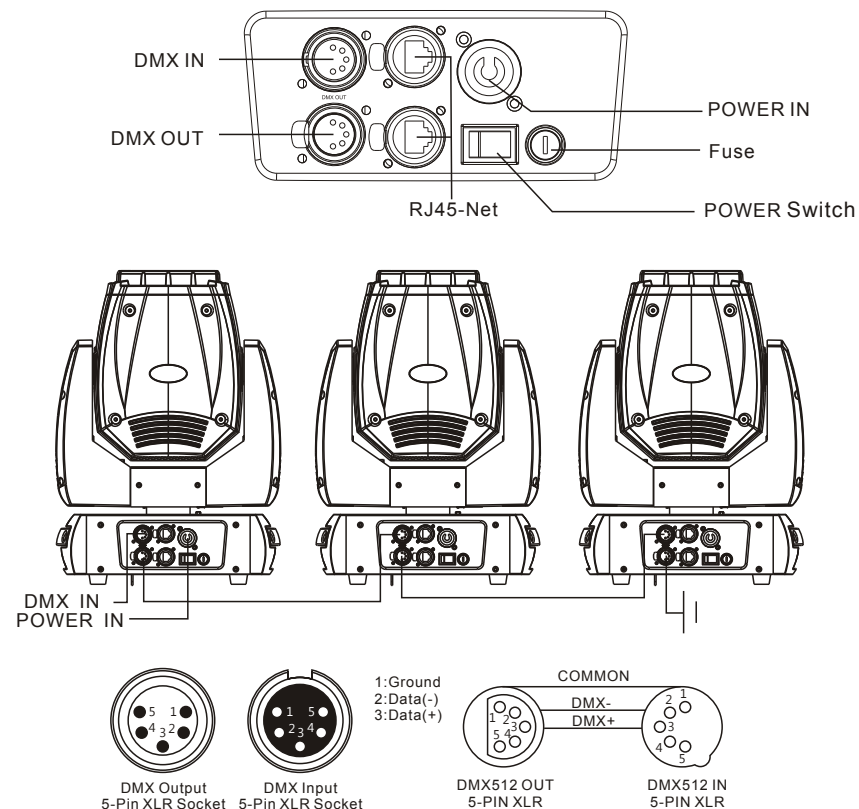
Regardless of the rigging option you choose for your AuraBeam™ 150 LED, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.



7 DMX-512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 5-pin XLR output of your controller and the other side to the male 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.

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.

