

BILLY THE KID

USER MANUAL

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted person during setup.
- Switch off the unit,unplug the main cable and wait till the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings,fixations and installation spots (ceiling,trusses,suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals,from impurities caused by dust,smoke,or other particles to ensure that the light is radiated at maximum brightness.For cleaning,disconnect the main plug from the socket.Use a soft,clean cloth moistened with a mild detergent.Then carefully wipe the parts dry. For cleaning other housing parts use only a soft,clean cloth.Never use a liquid,it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT

- 1.Disconnect this product from the power outlet.
- 2.Using a screwdriver,unscrew the fuse holder cap from the housing.
- 3.Remove the blown fuse and replace with a good fuse of the same type and rating.
- 4.Screw the fuse holder cap back in place and reconnect power.



TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	<ul style="list-style-type: none">• No mains supply• Dimmer fader set to 0• Faulty LED• Faulty LED board	<ul style="list-style-type: none">• Check the power supply voltage• Increase the value of the dimmer channels• Replace the LED board• Replace the LED board
General low light intensity	<ul style="list-style-type: none">• Dirty lens assembly• Misaligned lens assembly	<ul style="list-style-type: none">• Clean the fixture regularly• Install lens assembly properly
Fixture does not power up	<ul style="list-style-type: none">• No power• Loose or damaged power cord• Faulty internal power supply	<ul style="list-style-type: none">• Check for power on power outlet• Check power cord• Replace internal power supply

Contact an authorized service center in case of technical problems or not reported in the above table cannot be resolved by the procedure given in the table.

18	Reset	000-025	No Function	
		026-076	Effect Reset (Hold 3S)	
		077-127	Pan/Tilt Reset (Hold 3S)	
		128-255	Complete Reset (Hold 3S)	
19	Lamp Control	000-025	No Function	
		026-100	Lamp Off (Hold 3S)	
		101-255	Lamp On (Hold 3S)	

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SAFETY



WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, user and maintenance of the unit.



General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- The unit is supplied with hazardous network voltage (230V~). Leave serving to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to power supply system fitted with efficient earthing (Class I appliance according to standard EN60598-1). It is moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
 - in places subject to vibrations or bumps;
 - in places with a temperature of over 40 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.



Warnings and installation precautions

- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the fixture, cut power from the main supply.
- Always additionally secure the fixture with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture is being used.
- Install the fixture in a well ventilated place.
- Keep any inflammable materials at a safe distance from the fixture.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e.g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- Do not touch the product's housing when operating because it may be very hot.

5	Fixed Gobo	196-200	Gobo 8 shaking slow to fast	
		201-205	Gobo 9 shaking slow to fast	
		206-210	Gobo 10 shaking slow to fast	
		211-215	Gobo 11 shaking slow to fast	
		216-220	Gobo 12 shaking slow to fast	
		221-225	Gobo 13 shaking slow to fast	
		226-230	Gobo 14 shaking slow to fast	
		231-235	Gobo 15 shaking slow to fast	
		236-240	Gobo 16 shaking slow to fast	
		241-245	Gobo 17 shaking slow to fast	
		246-250	Gobo 18 shaking slow to fast	
		251-255	Gobo 19 shaking slow to fast	
6	8-facet prism insertion	000-127	8-facet prism out	8-facet prism
		128-255	prism insertion	
7	8-facet prism rotation	000-127	0-540° position	
		128-190	Fast to slow (Forward spin)	
		191-192	Stop	
		193-255	Slow to Fast (Reverse Spin)	
8	24-facet prism insertion	000-127	24-facet prism out	24-facet prism
		128-255	prism insertion	
9	24-facet prism rotation	000-127	0-540° position	
		128-190	Fast to slow (Forward spin)	
		191-192	Stop	
		193-255	Slow to Fast (Reverse Spin)	
10	Frost	000-128	Frost Out	
		128-255	Frost Insertion	
11	Focus	000-255	Focus 0-100%	
12	Focus Fine	000-255	Focus Fine	
13	Pan	000-255	Pan 540°	
14	Pan Fine	000-255	Pan Fine adjustment	
15	Tilt	000-255	Tilt 270°	
16	Tilt Fine	000-255	Tilt Fine adjustment	
17	P/T Speed	000-255	Fast to Slow	

2	Strobe	000-003	Closed	
		004-103	Slow to fast strobe	
		104-107	Open	
		108-207	Fast close slow open	
		208-212	Open	
		213-251	Random strobe	
		252-255	Open	
3	Dimmer	000-255	dimmer 0%-100%	
4	Dimmer Fine	000-255	dimer fine	
5	Fixed Gobo	000-003	white	
		004-007	Gobo 1	
		008-010	Gobo 2	
		011-014	Gobo 3	
		015-017	Gobo 4	
		018-021	Gobo 5	
		022-024	Gobo 6	
		025-028	Gobo 7	
		029-031	Gobo 8	
		032-035	Gobo 9	
		036-039	Gobo 10	
		040-042	Gobo 11	
		043-046	Gobo 12	
		047-049	Gobo 13	
		050-053	Gobo 14	
		054-056	Gobo 15	
		057-060	Gobo 16	
		061-063	Gobo 17	
		064-067	Gobo 18	
		068-071	Gobo 19	
		072-113	Fast to slow (Reverse spin)	
		114-117	Stop	
		118-159	Slow to fast(Forward spin)	
		160-165	Gobo 1 shaking slow to fast	
		166-170	Gobo 2 shaking slow to fast	
		171-175	Gobo 3 shaking slow to fast	
		176-180	Gobo 4 shaking slow to fast	
		181-185	Gobo 5 shaking slow to fast	
		186-190	Gobo 6 shaking slow to fast	
		191-195	Gobo 7 shaking slow to fast	

INTRODUCTION

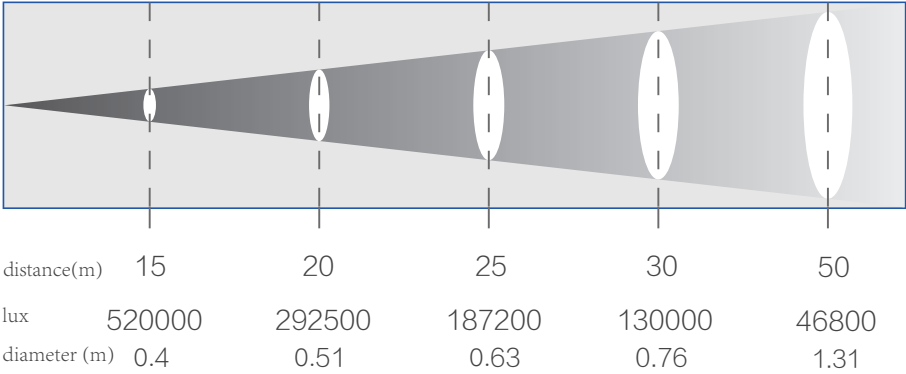
- IP66 tour-graded construction suitable for full-weather applications
- Up to 292500 Lux at 20 meters
- Features 200mm front lens and 1.3° narrow beam
- angle to produce a solid, parallel, sharp beam projection
- Extremely even spot with flawless field consistency
- 1 fixed gobo wheel (19 + open)
- Faster rotation, accurate positioning
- Bi-directional 8-facet and 24-facet prism
- DMX 512

SPECIFICATION

Light Source:	CW, MSD silver 420W LL, 7800K
Color Temperature:	6600K±500K
Output(lux):	292500LUX@20m, 130000Lux@30m
Lamp Life:	3000hrs
Beam Angle:	1.3°
Pan Movement:	540°
Tilt Movement:	270°
Color Mixing:	CMY+Color Wheel(15+open)
Static Gobos:	19+open
Focus:	Motorized focus
Frost:	glass frost lens
Strobe:	0~9Hz
Dimmer:	0~100% linear frost
Prism:	8-facet prism and 24-facet prism
Protocol:	DMX512
DMX Channels:	24CH
Display:	TFT display
Mains:	AC 200-240VAC, 50~60HZ
Consumption:	Dynamic: 630W/230V; Static: 528W/230V
Housing:	Die-cast magnesium
IP Rating:	IP66
Ambient:	0℃~45℃
Cooling:	Noiseless fan
Dimension:	263*455*703mm
Weight:	32.7KG

PHOTOMETRICS

Beam Angle 1.3°

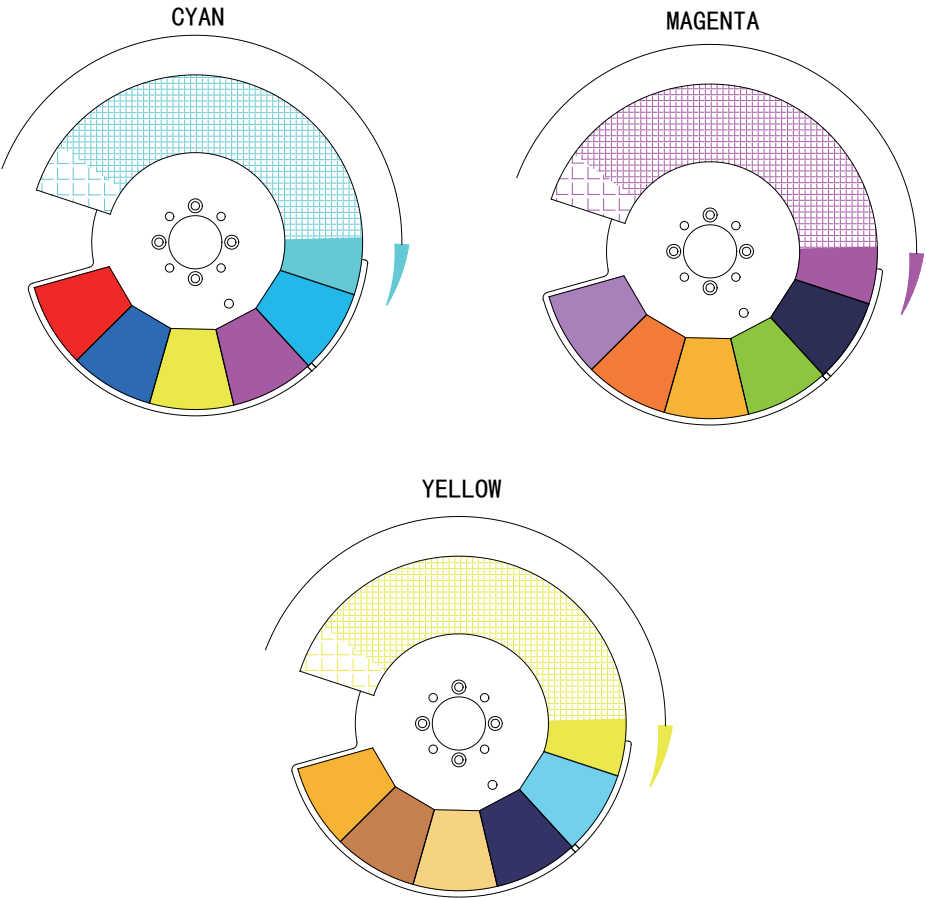


DMX Chart

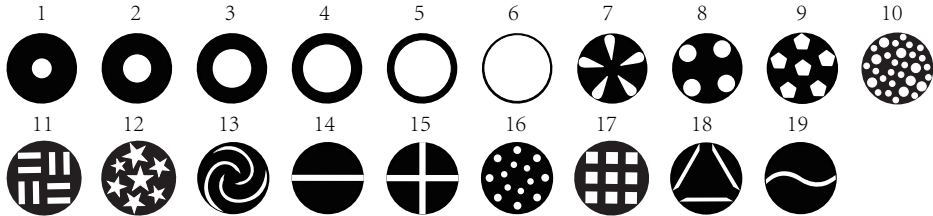
24CH Mode				
DMX	Function	Value	Setting	Remark
1	Color	000-255	Cyan 100%-0%	Valid only when color 1 = 0
		000-255	Magenta 100%-0%	Valid only when color 2 = 0
		000-255	Yellow 100%-0%	Valid only when color 3 = 0
		000-023	Open	color wheel 1
		024-046	Open + Blue Wood	
		047-069	Blue Wood	
		070-092	Blue Wood + Lavender	
		093-115	Lavender	
		116-139	Lavender+CTO 3200K	
		140-162	CTO 3200K	
		163-185	CTO 3200K+CTO 2500K	
		186-208	CTO 2500K	
		209-231	CTO 2500K+UV	
		232-255	UV	
		000-023	Open	color wheel 2
		024-046	Open+Dark green	
		047-069	Dark green	
		070-092	Dark green+CTB	
		093-115	CTB	
		116-139	CTB+Dark Blue	
		140-162	Dark Blue	
		163-185	Dark Blue+H.M.Green	
		186-208	H.M.Green	
		209-231	H.M.Green+Dark Red	
		232-255	Dark Red	
		000-023	Open	color wheel 3
		024-046	Open+ Light green	
		047-069	Light green	
		070-092	Light green+ Pink	
		093-115	Pink	
		116-139	Pink+Aquamarie	
		140-162	Aquamarie	
		163-185	Aquamarie+Dark Orange	
		186-208	Dark Orange	
		209-231	Dark Orange+Light Orange	
		232-255	Light Orange	

			Cyan				
			Mega				
			Yellow				
			Color1				
			Color2				
			Color3				
			Strobe				
			Dimmer				
			Dimmer Fine				
			Fixed Gobo				
			8PrismInsertion				
			8Prism Rotation				
			24PrismInsertion				
			24Prism Rotation				
			Frost				
			Focus				
			Focus Fine				
			Pan				
			Pan Fine				
			Tile				
			Tile Fine				
			Function				
			Reset				
			Lamp Control				
		AUTO	Pan/Tilt				
			Colour				
			Beam				
			Gobo				
			All				
		5	ADVANCED Access Code(50)	Calibration	Pan Offset	0-255	
					Tilt Offset		
					DimmerA Offset		
DimmerB Offset							
Color Offset							
Gobo2 Offset							
8 Prism Offset							
8 RPrism Offset							
24 Prism Offset							
24 RPrism Offset							
Focus Offset							
Frost Offset							
Factory Reset	No						
	Yes						

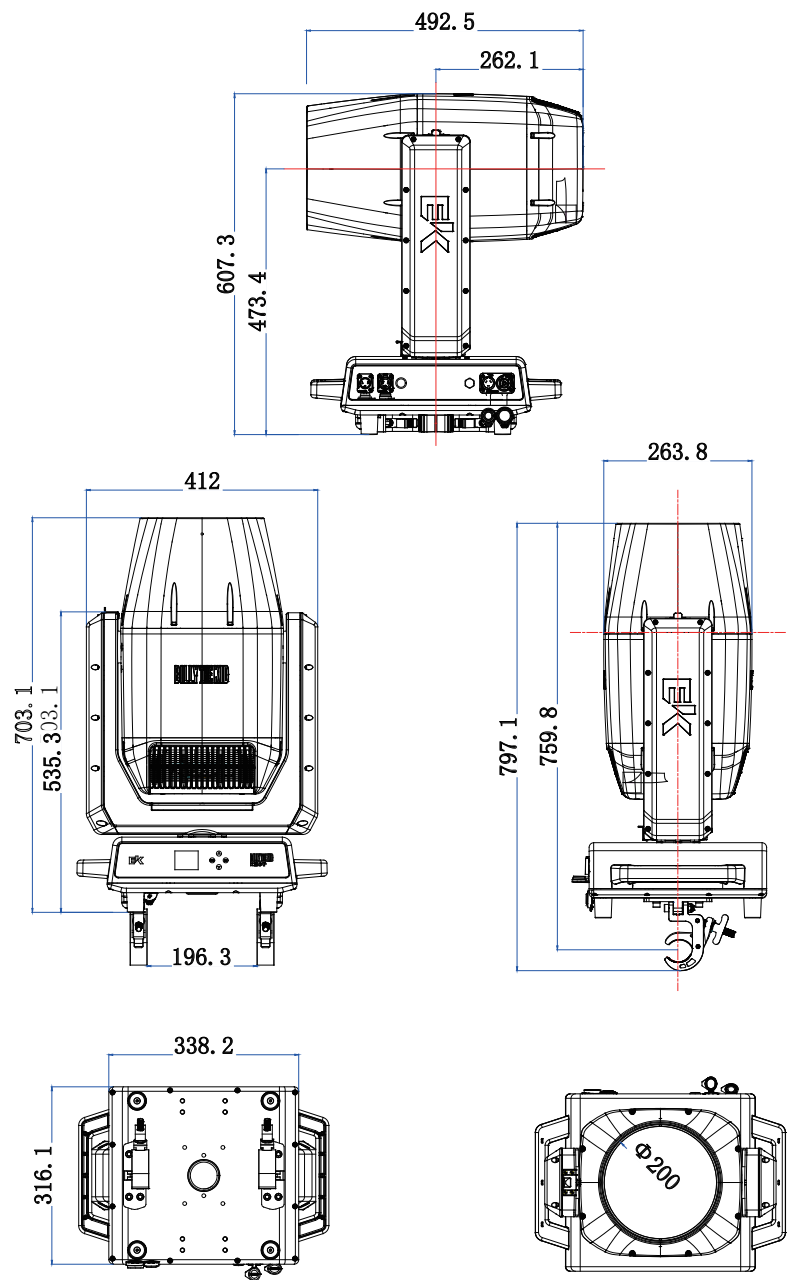
COLORS & GOBOS



Static Gobos



DIMENSION

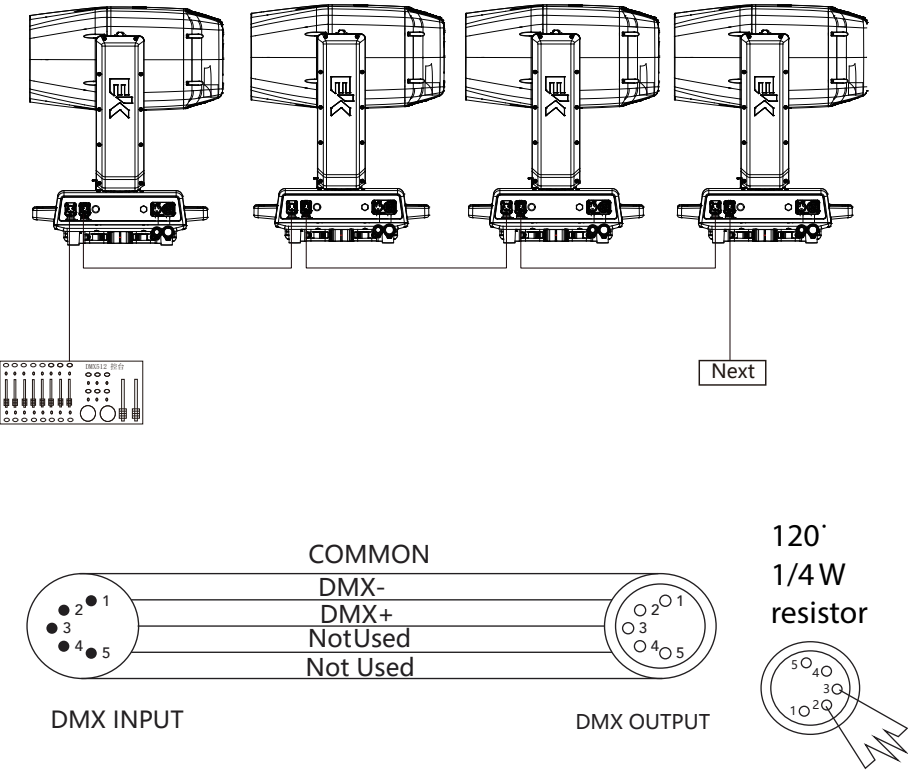


MENU

NO.	Main Menu	Submenu 2	Submenu 3	Submenu 4	Remark
1	SETUP	DMX Address	001-512		1
2	OPTION	Movement Setting	Pan Reverse	Off	Off
			Tilt Reverse	Off	Off
			Encoder Pan/Tilt	Off	
		Lamp Setting	Lamp On/Off	On	On
			Lamp On Via DMX	Off	Off
			Safety Black Out	On	On
			Shutter On Error	Off	Off
		Display Setting	Warn Cue	On	On
			Backlight	Off	Off
			Display Reverse	On	Off
			Key Lock	Off	Off
		Reset Setting	All	No	No
			Pan/Tilt	No	No
			Head	No	No
3	INFORMATION	System Errors			No
		Time	Fixture Hours	0~9999H	No
			Lamp Hours	0~9999H	No
		Lamp Strikes	Lamp Strikes	9999	No
			Success Strikes	9999	No
		System Version	DISP:V1.0		No
			CTR1-XY:V1.0		No
			CTR2-MOTOR:V1.0		No
			CTR3-MOTOR:V1.0		No
			CTR4-MOTOR:V1.0		No
		UID	030F0BE*****		No

CONNECTIONS

DMX CONNECTION

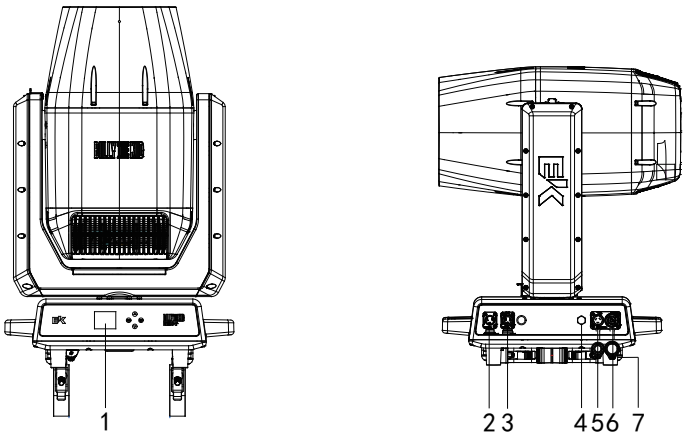


Relation between DMX and Address

MODE	ALLOCATION	START ADDRESS 1ST FIXTURE	START ADDRESS 2ND FIXTURE	START ADDRESS 3RD FIXTURE	START ADDRESS 4TH FIXTURE
24CH	001 -024	001	025	050	075

Follow above method for subsequent fixtures, calculating starting addressed as indicated.

OVERVIEW

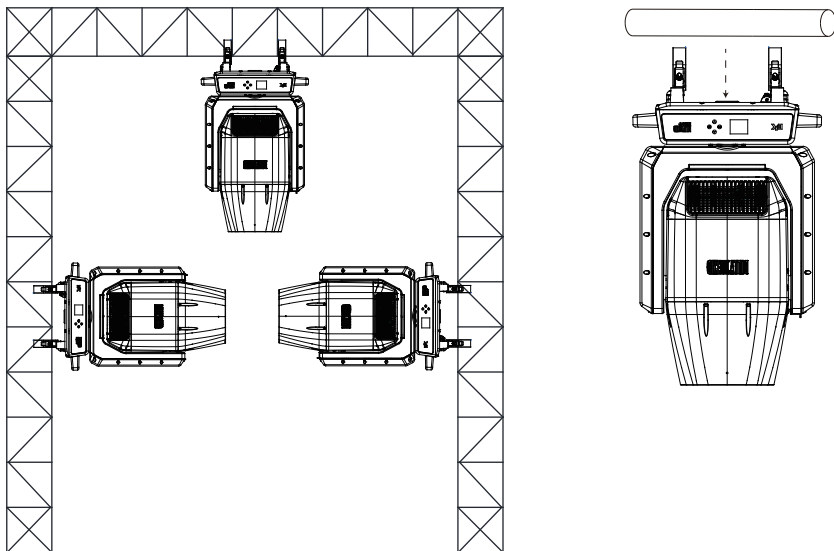


- 1. Control panel
- 2. DMX In
- 3. DMX Out
- 4. Gore Valve

- 5. Power In
- 6. Power Out
- 7. Foldable clamp

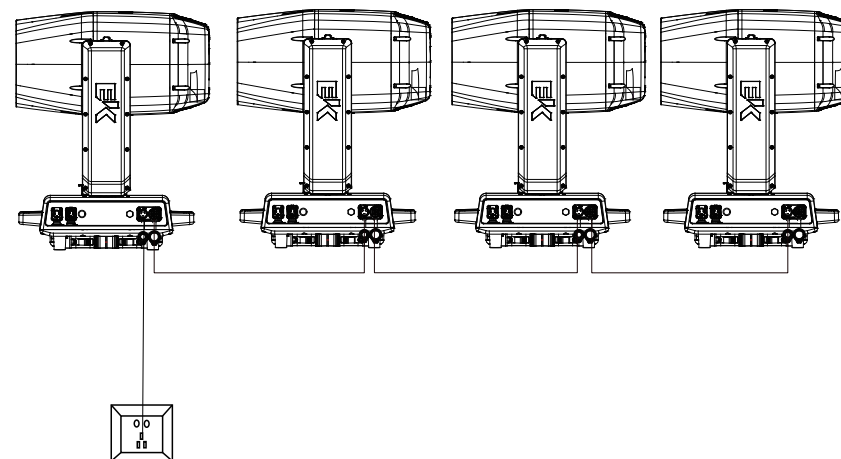
MODE	ILLUSTRATION	DESCRIPTION	EFFECT
MENU	MENU OPTION	ENTER MENU	MENU OPERATION
UP	UP	SCROLL UP	INCREASE NUMERIC VALUE
DOWN	DOWN	SCROLL DOWN	DECREASE NUMERIC VALUE
ENTER	CONFIRM	CONFIRM	SAVE SETTING

INSTALLATION



The fixture may be set up on a solid and even surface. By means of the fixing facilities of the baseplate, the unit can also be mounted on a truss system or horizontally to the wall or ceiling. For fixing, stable mounting clips are required. The bolts of the brackets are placed into the openings provided in the base plate and turned clockwise until they lock (to the stop). Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. The mounting place must be of sufficient stability and be able to support a weight of 10 times of the unit's weight. When carrying out any installation, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used. Always additionally secure the projector with the safety rope from falling down. For this purpose, fasten the safety rope at a suitable position so that the maximum fall of the projector will be 20 cm.

POWER CONNECTION



Power In

· Attention: due to power rating, one 1.5mm power cable can connect 4 units maximum



WARNING

Do not connect more than **4 units** in series with one power cable
Do not use damaged power cable
Disconnect the fixture from the mains when not in use