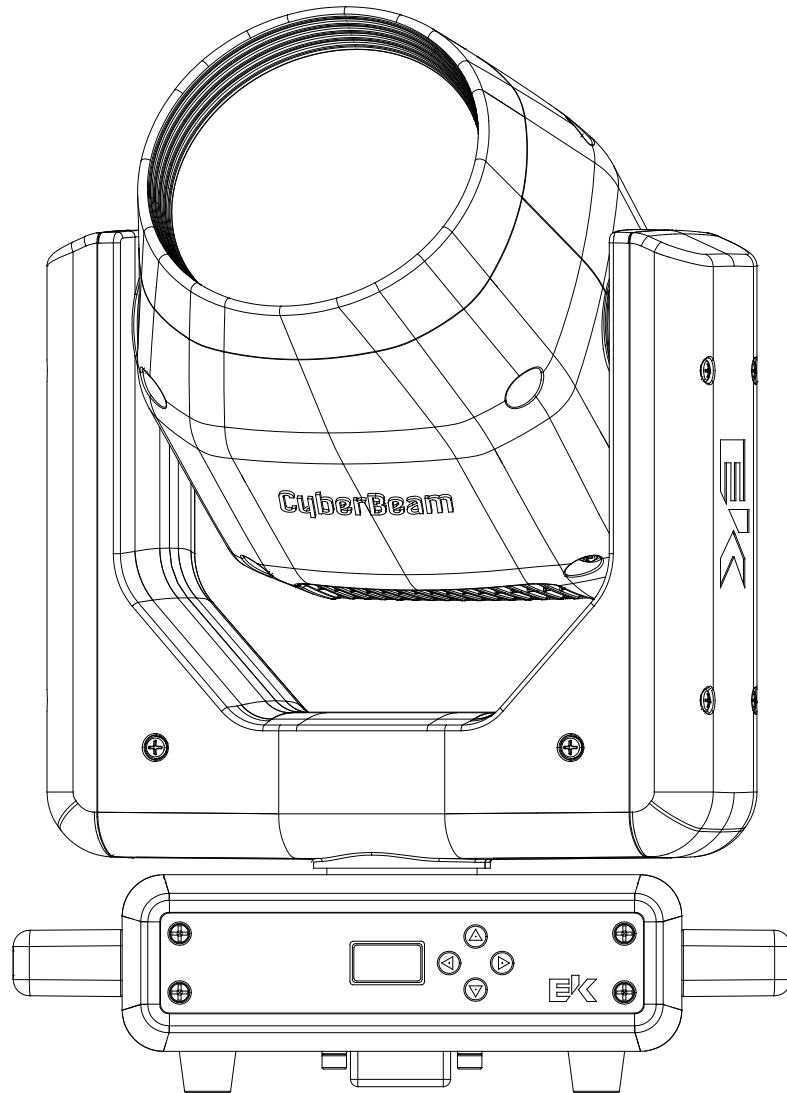


SHOWPRO

EK



CyberBeam

USER MANUAL

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1.Safety Information



WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it for future reference. This manual contains important information about the installation, use 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~). Service should be undertaken by 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 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 Flammable liquids, water or metal objects can 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.
- If the unit is to be put out of operation definitively, ensure you dispose of the unit responsibly in accordance with local recycling laws.



Warnings and installation precautions

- If this device is operated in any way different to the one described in this manual, it may suffer damage and the warranty becomes void. Furthermore, any on going operation may lead to dangers like short circuit, burns and electric shock, etc.
- Before starting any maintenance work or cleaning the fixture, turn off power from the main supply.
- Always additionally secure the fixture with the safety rope. When carrying out any work, always comply with all regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- Install the fixture in a well ventilated place.
- Keep any Flammable 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

INTRODUCTION

FEATURES

- 50W LED light source
- 110mm front lens for tight, solid, consistent beams
- 32,000 LUX @ 8m
- 14 colour wheel and rotating 8 facet prism
- Infinite Pan/Tilt movement
- Fast and accurate positioning with quiet operation
- Small size, compact design and light weight

SPECIFICATIONS

Light Source: CW, 12A x 3.45V, 41.4W

Luminance: 32,000 LUX @ 8m

Colour Temperature: 7500K ± 300K

CRI: Ra ≥ 70

Lifespan: 20,000 hours

Beam Angle: 2.2°

Pan: Infinite

Tilt: Infinite

Colour: Colour wheel (14+Open)

Frost: 20°

Dimming 0 to 100%, 4 dimming curves

Prism: Indexable 8-face prism with variable speed

Protocol: DMX512

DMX Channel: 14ch

Mains: 100 - 240 VAC, 50/60Hz

Power Connection: TrueCON In/Out

Data Connection: 5pin DMX In/Out

Consumption: Static 78W ; Dynamic 106W @ 230V

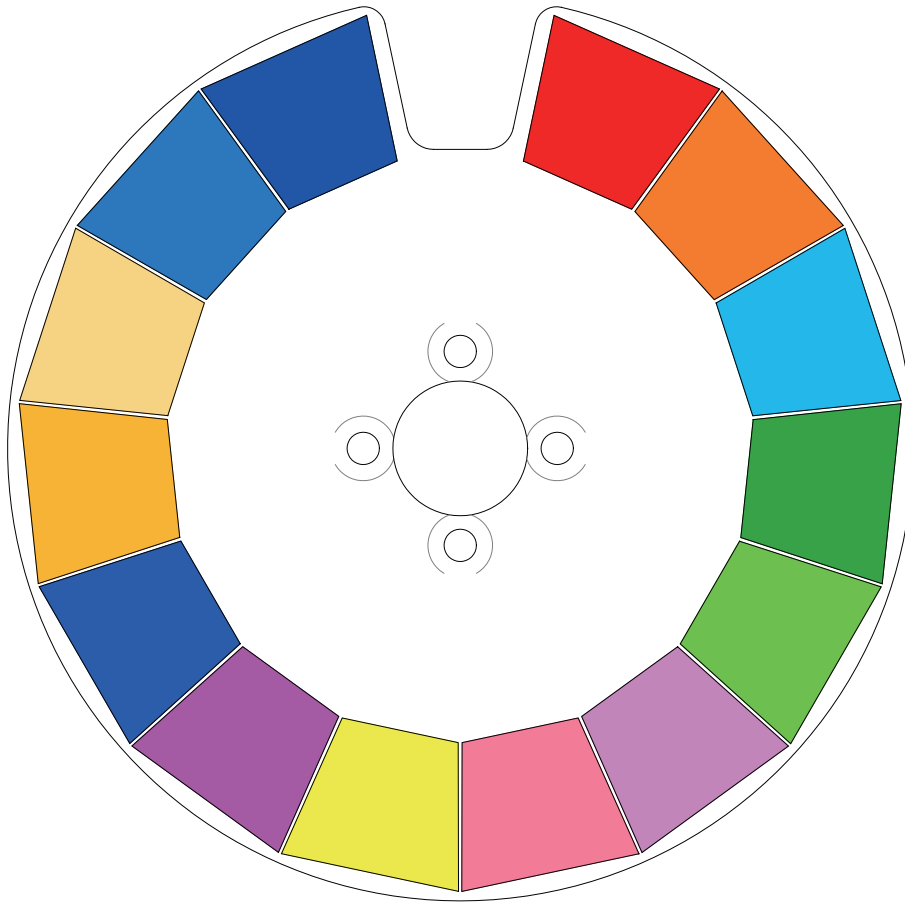
Ambient: -10 to 45°C

Dimension: 264 x 176 x 366

Weight: 7kg

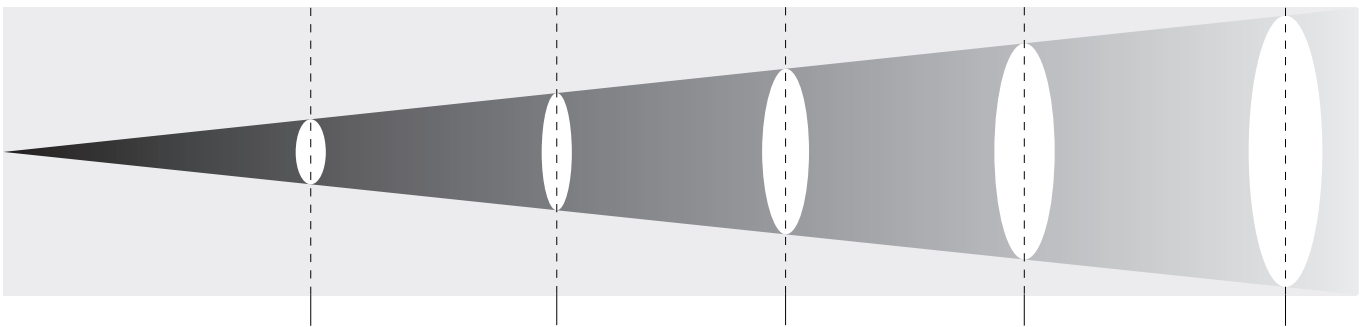
IP Rating: IP20

COLOUR WHEEL



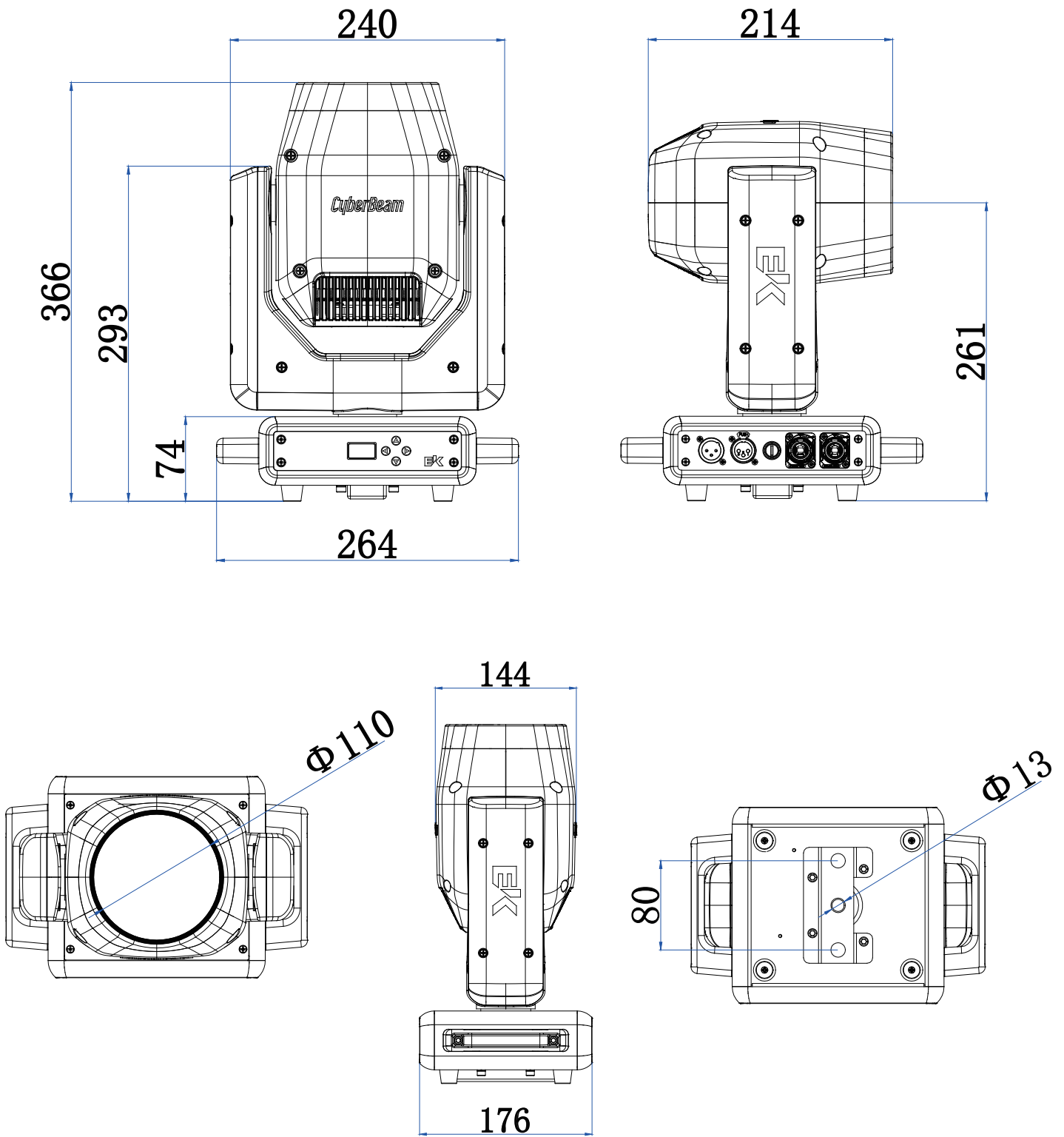
PHOTOMETRICS

Beam Angle: 2.2°



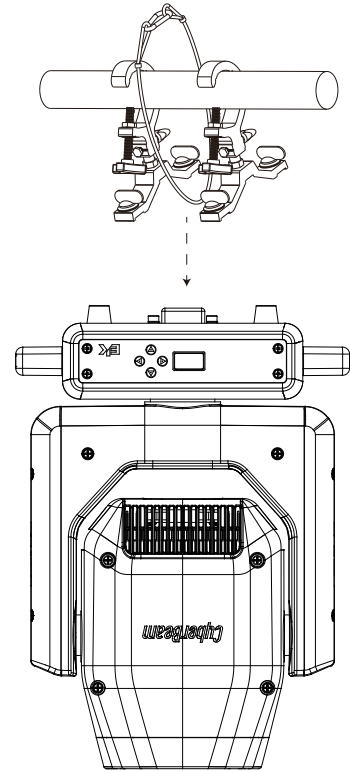
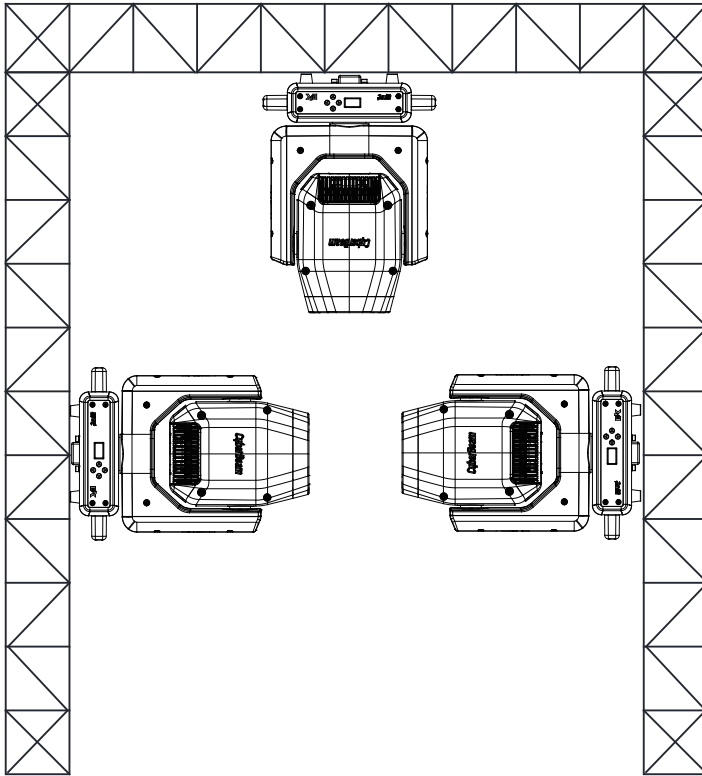
Luminance (lux)	32000	21000	9500	5400	3500
Distance (m)	8	10	15	20	25

DIMENSIONS



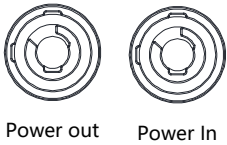
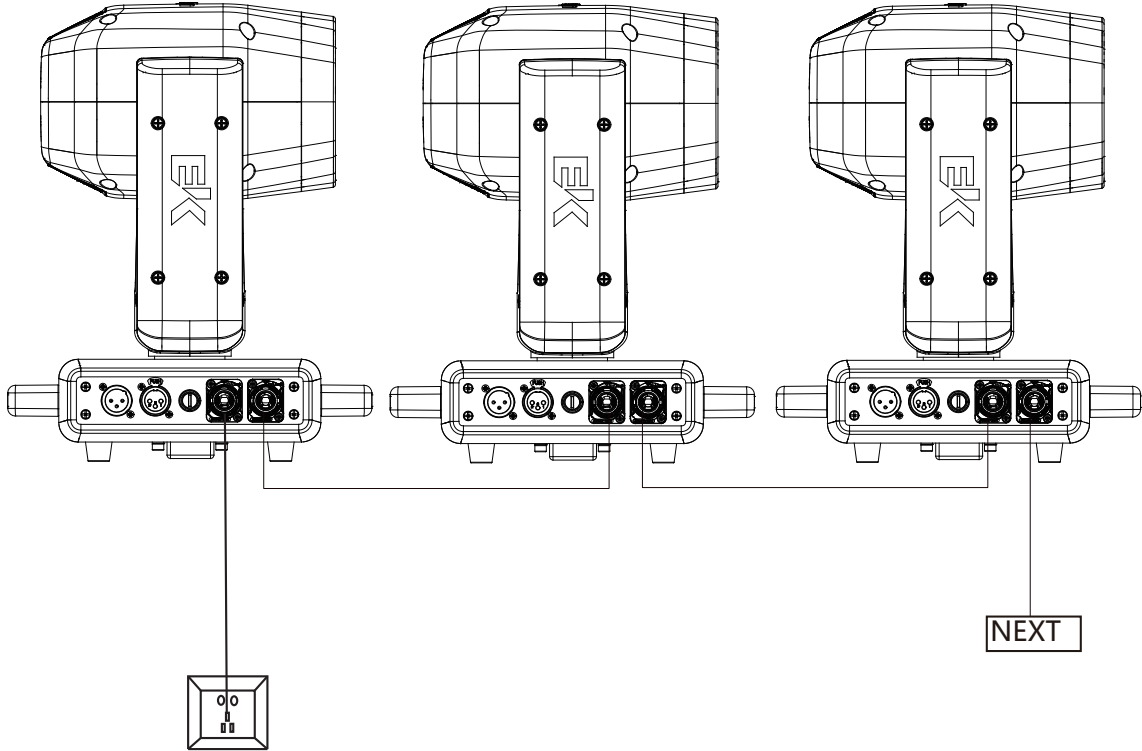
INSTALLATION AND CONNECTION

INSTALLMENT



- The fixture may be set up on a solid and even surface. The unit can also be mounted upside down to a cross arm.
- For fixing, stable mounting clamps 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 top)
- Always ensure that the unit is firmly fixed to avoid vibration and slipping whilst in operation.
- The mounting place of the fixture must be sufficiently stable and capable of supporting a weight of 10 times the unit's weight. When carrying out any installation, always comply scrupulously with all regulations (particularly regarding safety) currently in force in the country the fixture is being used.
- Always secure the fixture with the safety rope to prevent the fixture from falling. Fasten the safety rope at a suitable position so that the maximum fall of the fixture will be 20cm
- Do not expose the front of the fixture to sunlight or any other light source.
- Do not focus a light beam from one fixture directly towards another
- For outdoor applications, during daylight ensure that the lens is facing away or shielded from the sun, even when not in use.
- Do not expose the product to excessive heat.

POWER CONNECTION



The Cyber Beam uses TrueCON IN/OUT

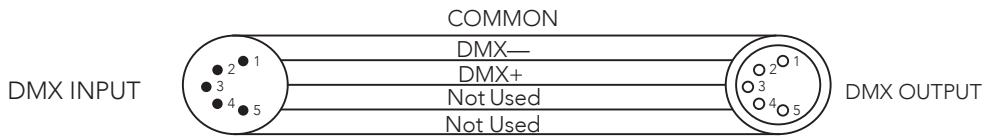
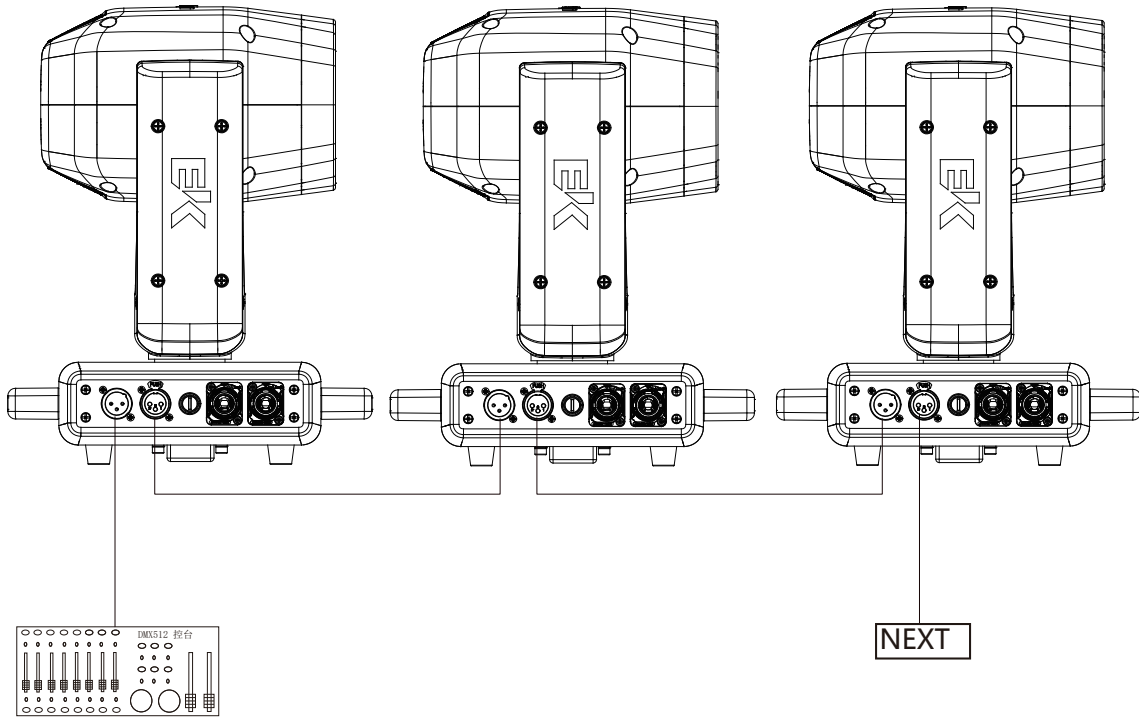
Using 1.5mm² power cable, it is possible to link up to 9 units (100V) maximum, 22 units (230V) maximum



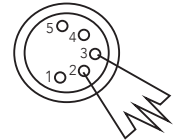
WARNING

Do not use the power cable if the insulation layer has been damaged.
 Do not place power cable on other wires.
 When the Cyber Beam is not in use or is being cleaned, please remove the power cable.
 Do not vigorously plug in or drag the power cable.

DMX CONNECTION



120°
1/4 W
resistor



Mode	Allocation	Start Address 1st Fixture	Start Address 2nd Fixture	Start Address 3rd Fixture	Start Address 4th Fixture
14ch	001-014	001	015	029	043

MENU

CYBER BEAM MENU					
	Main Menu	Menu level 2	Menu level 3	Menu level4	Remark
1	Connect	DMX Address	1-512		Default: 1
2	Option	Movement Setting	Pan Inverse	No	Default: No
				Yes	
			Tilt Inverse	No	Default: No
				Yes	
			Encoder Pan/Tilt	No	Default: Yes
				Yes	
		Display Setting	Warn Cue	On	Default: On
				Off	
			Back Light	Off	Default: Off
		On			
		Display Reverse	Off	Default:Off	
			On		
Reset Setting	All				
	Pan/Tilt				
	Head				
4	Information	System Error			Default: 0
		Time	Fixture		
			Led		
		System Version	DISP- V1.0		
			CTR1-XY- V1.0		
CTR2-MOTOR-V1.0					
UID	030F0C0*****				
5	Test	Channel	1.Pan		
			2.Pan Fine		
			...		
			14.Control		
		Auto	Auto Test		
6	Advanced	Calibration	Pan Offset	000-255	
			Tilt Offset	000-255	
			Color Offset	000-255	
			Prism Offset	000-255	
			RPrism Offset	000-255	
			Frost Offset	000-255	
		Factory Reset	No		
			Yes		

DMX CHART

CYBER BEAM DMX chart				
14CH	Function	Value	Percent/Setting	Remark
1	Pan	000-255	Pan Coarse	
2	Pan fine	000-255		
3	Tilt	000-255	Tilt Coarse	
4	Tilt fine	000-255		
5	Pan Rotation	000-003	No Function	
		004-125	Fast to Slow (Clockwise Spin)	
		126-129	Stop	
		130-251	Slow to Fast (Anti-Clockwise Spin)	
		252-255	No Function	
6	Tilt Rotation	000-003	No Function	
		004-125	Fast to Slow (Clockwise Spin)	
		126-129	Stop	
		130-251	Slow to Fast (Anti-Clockwise Spin)	
		252-255	No Function	
7	Dimmer	000-255	0~100%	
8	Dimmer Fine	000-255	0~100%	
9	Shutter	000-010	No function (shutter close)	
		011-082	Shutter effect slow to fast	
		083-093	No function (shutter open)	
		094-163	Pulse-effect in sequences	
		164-174	No function (shutter open)	
		175-243	Random Shutter effect slow to fast	
		244-255	No function (shutter open)	
10	Color	000-004	Open	
		005-008	Open+Color1	
		009-012	Color 1	
		013-016	Color 1 + Color 2	
		017-021	Color 2	
		022-025	Color 2 + Color 3	
		026-029	Color 3	
		030-033	Color 3 + Color 4	
		034-038	Color 4	

DMX CHART

10	Color	039-042	Color 4 + Color 5	
		043-046	Color 5	
		047-050	Color 5 + Color 6	
		051-055	Color 6	
		056-059	Color 6 + Color 7	
		060-063	Color 7	
		064-067	Color 7 + Color 8	
		068-071	Color 8	
		072-076	Color 8 + Color 9	
		077-080	Color 9	
		081-084	Color 9 + Color 10	
		085-088	Color 10	
		089-093	Color 10 + Color 11	
		094-097	Color 11	
		098-101	Color 11 + Color 12	
		102-105	Color 12	
		106-110	Color 12 + Color 13	
		111-114	Color 13	
		115-118	Color 13 + Color 14	
		119-122	Color 14	
123-127	Color 14 + Open			
128-189	Fast to Slow(Forward Spin)			
190-193	Stop (Stop Rotation)			
194-255	Slow to Fast(Revers Spin)			
11	Prism	000-127	Prism Open	
		128-255	Prism Insert	
12	Prism Rot	000-191	Positioning from 0-360(Index)	
		192-223	Slowest to fastest (Forward Spin)	
		224-255	fastest to Slowest (Reverse Spin)	
13	Frost	000-255	0~100% Linear	

DMX CHART

14	Control	000-010	No function	(Keep 3s)
		011-015	Invert Pan on	
		016-020	Invert Pan off	
		021-025	Invert Tilt on	
		026-030	Invert Tilt off	
		031-035	Display On	
		036-040	Display Off	
		041-200	TBD(No function)	
		201-205	Complete Reset	
		206-210	Pan/Tilt Reset	
		211-215	Head Reset	
		216-255	No function	

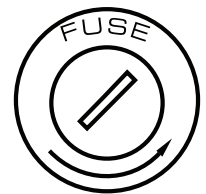
MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted persons during setup.
- Switch off the unit and unplug the main cable. Wait until the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should be free of any signs of corrosion.
- Housings, fixations and installation spots (ceiling, trusses, suspensions) should not show and signs of deformation.
- The main cables must be in impeccable condition. The cable should be replaced immediately if any damage is detected.
- It is recommended to clean the lens at regular intervals to remove impurities caused by dust, smoke, or any other particles. This is to ensure best performance and maximum brightness. To clean, disconnect the main plug from the socket. Use a clean and soft cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts, used a clean and soft cloth. Never use liquid. Using liquid could penetrate the unit and cause damage.

REPLACING THE FUSE

1. Disconnect the fixture 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 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 • All colour faders set to 0 • Faulty LED • Faulty LED board 	<ul style="list-style-type: none"> • Check the power supply voltage • Increase value of the dimmer • Increase value of colour channel • 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 lens 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
Fixture does not respond to DMX	<ul style="list-style-type: none"> • Wrong DMX addressing • Damaged DMX cables • Bouncing signals 	<ul style="list-style-type: none"> • Check DMX address and mode • Check DMX cables • Install terminator as suggested

Contact an authorised service centre in the case of technical problems that are not reported in the table, or problems which cannot be resolved by the procedure given in the table



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