

# MC15

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 with care for future reference, it contains important information about the installation, user and maintenance of the unit.

## GENERAL INSTRUCTION

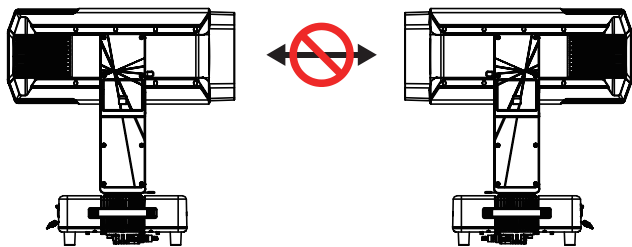
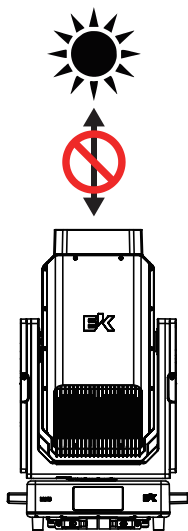
- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- The unit is supplied with hazardous network voltage (230V~). Service should be undertaken by skilled personnel only. Never make any modifications on the unit not described in this 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 place with a temperature of over 40°C.
- Make certain that no Flammable 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, ensure you dispose of the unit responsibly in accordance with local recycling laws.



## 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 off 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'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.

- Do not expose the front of a fixture to sunlight or any other strong light source. Avoid pointing other high-powered beam lights directly at the fixture.
- Do not focus a light beam from one lighting fixture directly towards another.
- For outdoor applications during daylight, make sure that the front face of any fixture is shielded or points away from the sun, even when not in use.
- Do not expose the product to heat (from other lighting fixtures for example).



## 2. FIXTURE SPECIFICATION

### 2.1 FEATURES

- 1500W 6-color LED engine
- Up to 34000lumens output
- Ultra-wide zoom range: 4.4° ~52°
- Linear CCT: 1800K ~ 10000K
- Razor sharp shutter framing and elegant gobo shaping
- CRI:98, Ra:99, TM-30-15rf/rg 95/100, TLCI 99
- Whisper-quiet operation
- Rugged IP66 tour-graded construction

### 2.2 SPECIFICATION

Light Source: 1500W 6-color LED engine

Colour Temperature: 1800-10000k

Output:>34000Lm

CRI:98, R9:99

PAN:540° , TILT:210°

Beam angle: 4.4° ~52°

Framing System: Single blade  $\pm 35^\circ$  , rotatable 180°

Gobo System1 : Rotating gobo wheel 1(6 gobos+open)

Gobo System2 : Rotating gobo wheel 2(6 gobos+open)

Animation: Animation wheel with variable speed

Prism: Bi-directional adjustable-speed 4 facet+linear prism

Frost :1° +5° 0 ~ 100% frost

Strobe:1-30HZ

Dimming: 4 dimming curves, 22Bit

Power supply: 100 ~ 240VAC (50HZ/60HZ) 1900W

Protocol: DMX512/RDM/sACN/Artnet/CRMX/Bluetooth/APP/NFC

DMX channel:50CH/42CH/44CH

Ambient: -10 ~ 45°C

Cooling: Heat pipe and low noise IP fan

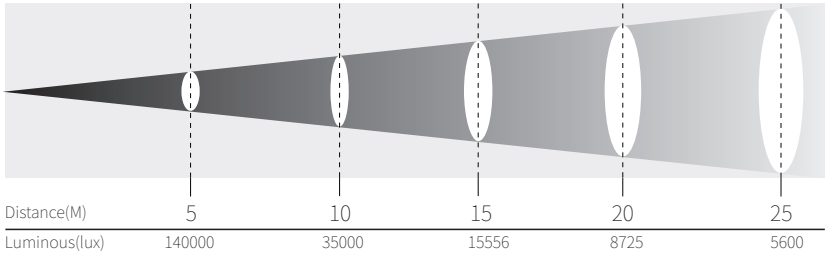
Dimension: 517 x 365 x 856mm

Weight: 47Kg

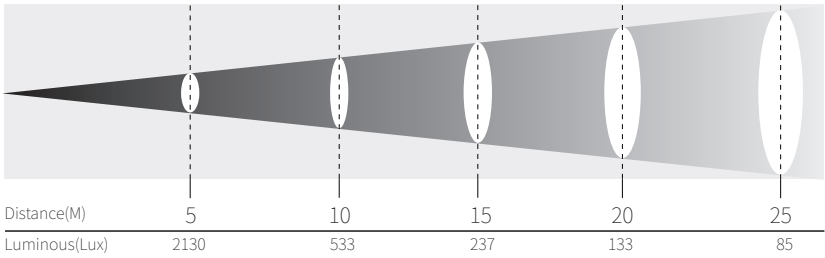
IP Rating: IP66

### 3.PHOTOMETRICS

**Beam Angle: 4.4°**

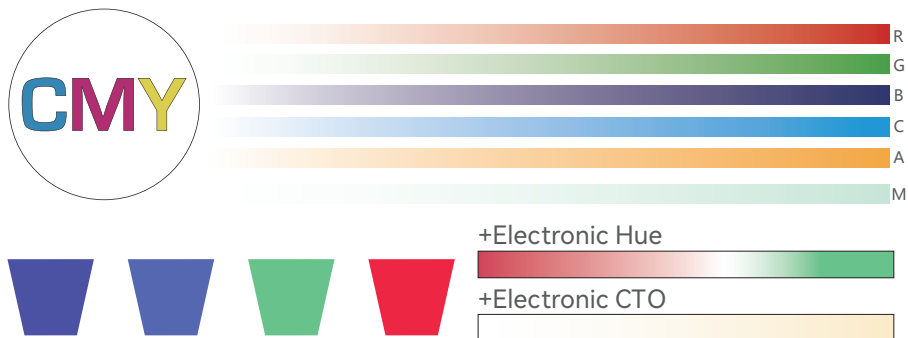


**Beam Angle: 52°**



# 4.COLOR&GOBO

## COLOR WHEEL



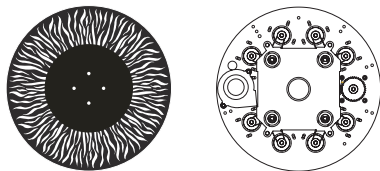
## ROTATING GOBO



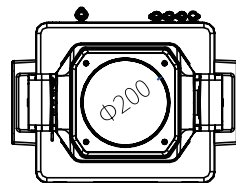
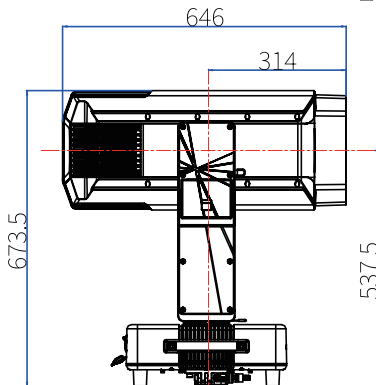
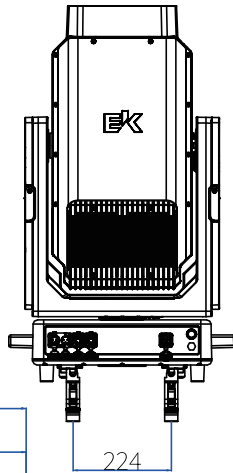
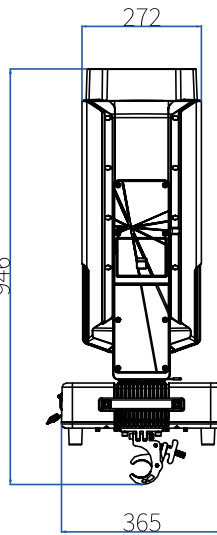
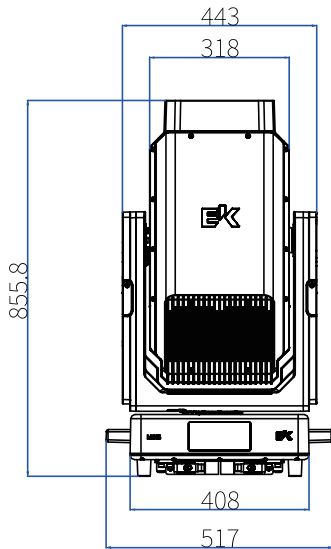
## FIXED GOBO



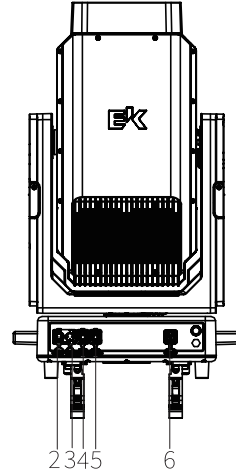
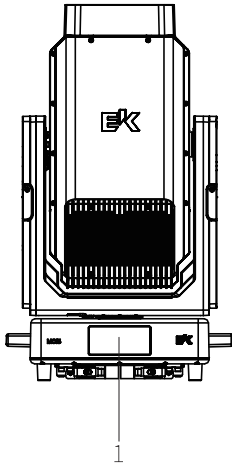
ANIMATION WHEEL    FRAMING SHUTTER



# 5. DIMENSION



## 6.OVERVIEW



1.Control panel

6.Power In

2.5pin(or 3pin) DMX In

7.breather valve

3.5pin(or 3pin) DMX Out

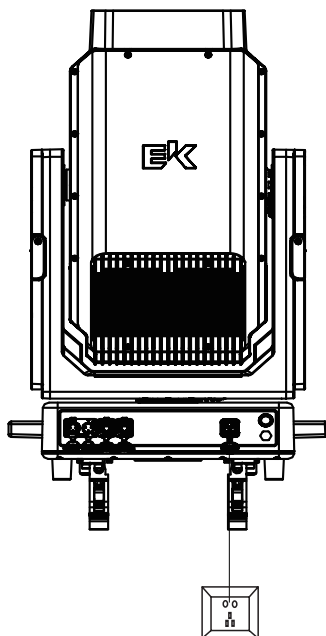
8.Omega bracket with clamp

4/5. Artnet

### Menu Display

Function	Illustration	Description	Function
MODE (Left)	Menu Option	Enter Menu	Menu Operation
UP	UP	Scroll Up	Increase Numeric Value
DOWN	DOWN	Scroll Down	Decrease Numeric Value
ENTER (Right)	Confirm	Confirm	Save Setting

## 7.CONNECTION



### POWER CONNECTION INSTRUCTION



Connect 2.5mm<sup>2</sup> Power cable with Power TrueCon In to mains.

Attention:

Power In Due to the power rating, one power cable can connect 1 unit maximum.

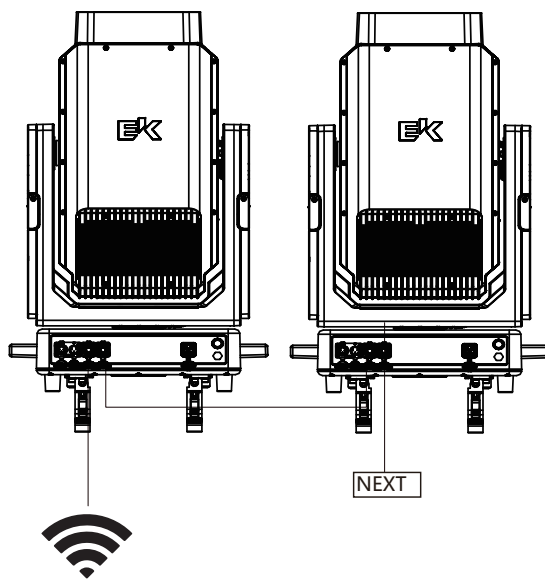


Do not connect more than 1 unit in series with one power cable

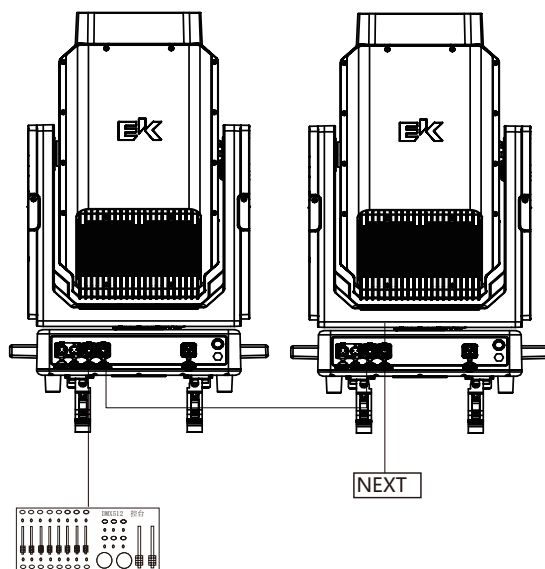
Do not use damage power cable

Power off the fixture when not in use

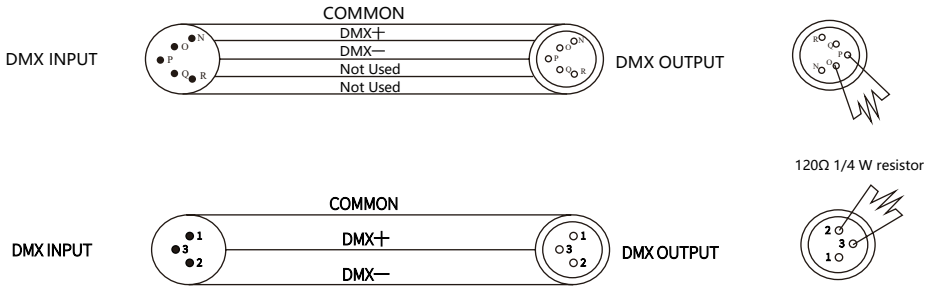
## NETWORK CONNECTION



## DMX CONNECTION



## DMX CONNECTION



- To minimize signal errors and prevent signal degradation/interference, connect a 120 Ω 1/4W resistor between 2 pins and 3 pins at the last fixture's DMX output.
- Use XLR cables to link fixtures - connect from the output of one fixture to the input of the next. DMX must be wired in series, not parallel.
- Signal integrity is critical due to DMX512's high speed. Damaged cables, poor solder joints, or loose connections can disrupt transmission and cause system failure.
- The DMX connection is bypassed when a unit loses power to maintain signal continuity.
- Each fixture requires a unique address to receive console commands.
- Always install a terminator at the end of the DMX512 chain to reduce transmission errors.

### EXAMPLE OF DMX ADDRESSING

The below table shows an example of starting addresses for four fixtures assuming a first fixture with starting address of 001.

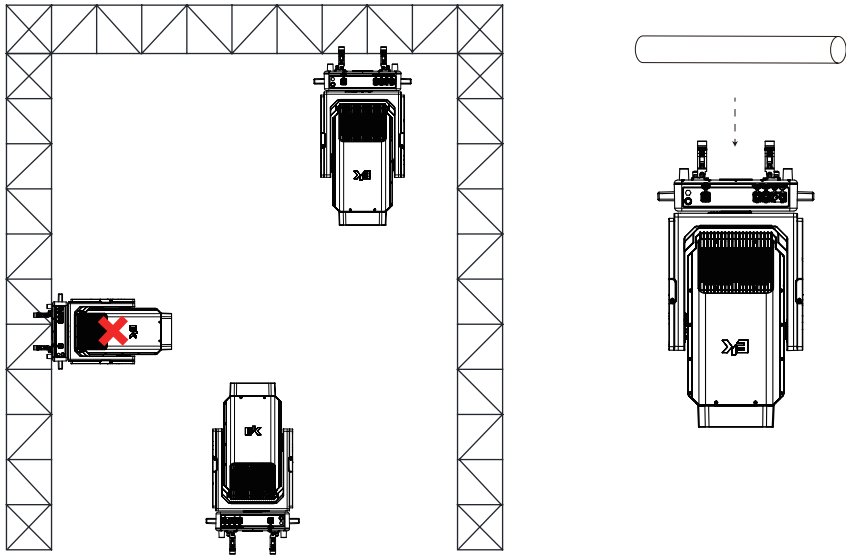
The actual starting addresses will be determined by the operator as needed to match external controller settings

### RELATION BETWEEN DMX AND ADDRESS

MODE	ADDRESS	1ST FIXTURE	2nd FIXTURE	3rd FIXTURE	4th FIXTURE
<b>60CH</b>	<b>001-060</b>	<b>001</b>	<b>061</b>	<b>121</b>	<b>181</b>

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

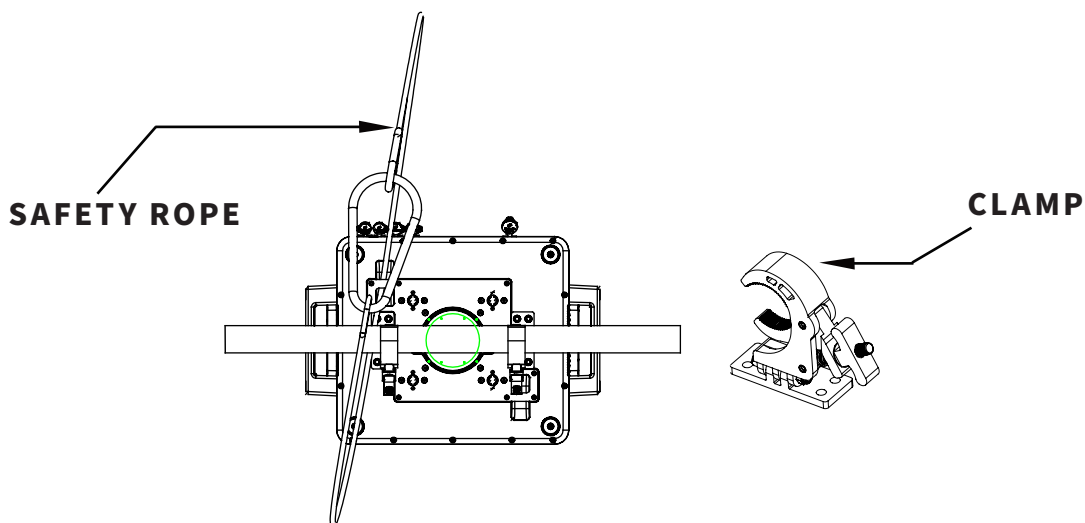
## 8. INSTALLATION



1. Professional installation required. Mount away from walkways, seating areas, or unauthorized access.
2. Never stand directly beneath the fixture during assembly, disassembly, or maintenance.
3. Ensure secure mounting to prevent vibration or slippage during operation.
4. The supporting structure must withstand 10x the fixture's weight without deformation. Always use a safety cable rated for 12x the fixture's weight to prevent falls if the clamp fails.
5. Operational in two positions: Sit-flat floor mounting and flown mounting.
6. LT6 is IP66 (indoor & Outdoor use) ,ensuring: Dustproof – Prevents significant dust ingress, so that it will not interfere with its normal operation. Water-resistant – Protects against water jets from any direction.

## 6.1.2 FLOWN MOUNTING

1. During installation, maintain a minimum distance of 0.5 meters between the fixture and any flammable materials .
2. When flown mounting, a safety cable rated for at least 10 times the fixture's weight must be installed.
3. For overhead mounting, the supporting structure must have a load capacity of at least 10 times the fixture's weight.
4. As shown in the diagram, the safety cable must pass through both the fixture's safety cable eyelet and the mounting structure to ensure a secure connection.



## 9.MENU

	Main menu	Menu Level 2	Menu Level 3	Menu Level 4	Menu Level 5	Menu Level 6	Remark		
1	DMX Setting	DMX Address	1~512				1		
		DMX Channel	50CH-RGBCAM				50CH-RGBCAM		
			44CH-XY						
			42CH-CMY						
3	Ethernet Setting	Protocol	Artnet				Artnet		
			sACN						
		IP Address	xxx.xxx.xxx.xxx				/		
		IP Mask	xxx.xxx.xxx.xxx				/		
		Universe	0-65535 (Artnet) 1-65535 (sACN)				0		
	Net To DMX	Off				Off			
		On							
4	Settings	Movement Setting	Pan Reverse	Off			Off		
				On					
			Tilt Reverse	Off				Off	
				On					
			Swap Pan/Tilt	Off				Off	
			On						
		Encoder Pan/Tilt	Off				On		
			On						
		Absolute Encoder	Off				Off		
			On						
		Framing Shutter Mode	Independent Mode					Mixed Mode	
			Mixed Mode						
		Dimmer Setting	Dimmer Mode	Dimmer Auto					Dimmer Auto
				Off					
				Dimmer 1					
				Dimmer 2					
			Dimmer 3						
		Dimmer Curve	Linear					Square	
			Square						
			Inverse Square						
			S Curve						
		LED Setting	Led Frequency	1200 Hz					1200 Hz
				25KHz					
	Red Shift	Off					Off		
		On							
Fan Mode	Auto						Auto		
	On								
	Off								
	Silent								
Reset Setting	All						/		
	P/T						/		
	Head						/		
Display Setting	Back Light	Off					Off		
		On							
	Flip Display	No					Auto		
		Yes							
		Auto							
	Warn Cue	Off					On		
		On							
	Key Lock	No					Yes		
Yes									
Temperature Unit	°C					°C			
	°F								
SunSafe	On					On (Head downwards after 10S no-signal)			
	Off								

5	TEST	Channel	(per current channel mode)				/	
							/	
							/	
		AUTO	Pan/Tilt					
		Head						
		All						
6	ADVANCED	Code:xxx	Color Calibration	Off			Off	
			Factory Calibration					
			Calibration	Pan Offset				128
			Tilt Offset					128
			Gobo1 Offset					128
			RGobo1 Offset					128
			Gobo2 Offset					128
			RGobo2 Offset					128
			Prism1 Offset					128
			RPrism1 Offset					128
			Prism2 Offset					128
			RPrism2 Offset					128
			Effect Offset					128
			Focus Offset					128
			Zoom Offset					128
			Frost1 Offset					0
			Frost2 Offset					0
			Iris Offset					128
			Shutters Rot. Offset					128
			Fr.shutter 1 M1 Offset					0
			Fr.shutter 1 M2 Offset					0
			Fr.shutter 2 M1 Offset					0
			Fr.shutter 2 M2 Offset					0
			Fr.shutter 3 M1 Offset					0
			Fr.shutter 3 M2 Offset					0
			Fr.shutter 4 M1 Offset					0
			Fr.shutter 4 M2 Offset					0
Factory Reset	No				/			
	Yes							
7	Information	System Errors					/	
		Time	Fixture Hours	65535H			0	
			Led Hours	65535H			0	
		Version	DISP-V1.0				/	
			CTR1-X-V1.0				/	
			CTR2-Y-V1.0				/	
			CTR3-MOTOR-V1.0					
			CTR4-MOTOR-V1.0					
			CTR5-MOTOR-V1.0					
			CTR6-LED-V1.0					
			CTR7-FAN-V1.0					
			Bluetooth-V1.0				/	
		DMX Monitor						
		Temperature	LED: xx°C				/	
UID:	*****				/			

# 10.DMX CHART

50CH RGBCAM	44CH CMY	42CH XY	Function	Value	Description	Remark
1	1	1	Pan	000-255		
2	2	2	Pan Fine	000-255		
3	3	3	Tilt	000-255		
4	4	4	Tilt Fine	000-255		
5 5	5	5	Shutter	000-010	Close	
				011-082	Shutter effect slow to fast	
				083-093	Open	
				094-163	Pulse-effect in sequences	
				164-174	Open	
				175-244	Random Shutter effect slow to fast	
				245-255	Open	
6	6	6	Dimmer	000-255	Dimmer 0%-100%	
7	7	7	Dimmer Fine	000-255	Dimmer Fine	
8	8	8	CTO	000-000	1800K	
				001-003	1800K - 1900K	
				004-006	1900K - 2000K	
				007-009	2000K - 2100K	
				010-012	2100K - 2200K	
				013-015	2200K - 2300K	
				016-018	2300K - 2400K	
				019-021	2400K - 2500K	
				022-024	2500K - 2600K	
				025-027	2600K - 2700K	
				028-030	2700K - 2800K	
				031-033	2800K - 2900K	
				034-036	2900K - 3000K	
				037-039	3000K - 3100K	
				040-042	3100K - 3200K	
				043-045	3200K - 3300K	
				046-048	3300K - 3400K	
				049-051	3400K - 3500K	
				052-054	3500K - 3600K	
				055-057	3600K - 3700K	
				058-060	3700K - 3800K	
				061-063	3800K - 3900K	
				064-066	3900K - 4000K	
				067-069	4000K - 4100K	
				070-072	4100K - 4200K	
				073-075	4200K - 4300K	
				076-078	4300K - 4400K	
				079-081	4400K - 4500K	
				082-084	4500K - 4600K	
				085-087	4600K - 4700K	
				088-090	4700K - 4800K	
				091-093	4800K - 4900K	
				094-096	4900K - 5000K	
				097-099	5000K - 5100K	
100-102	5100K - 5200K					
103-105	5200K - 5300K					
106-108	5300K - 5400K					
109-111	5400K - 5500K					
112-114	5500K - 5600K					
115-117	5600K - 5700K					
118-120	5700K - 5800K					
121-123	5800K - 5900K					
124-127	5900K - 6000K					
128-144	6000K - 6500K					
145-160	6500K - 7000K					
161-176	7000K - 7500K					
177-192	7500K - 8000K					
193-208	8000K - 8500K					
209-224	8500K - 9000K					
225-240	9000K - 9500K					
241-255	9500K - 10000K					

## 10.2 DMX CHART

9	9	9	HUE	000-001 002-003 004-126 127-128 129-253 254-255	No Effect Full Minus Green -99% to 1% No Effect 1% to 99% Full Plus Green	
10	10	10	Cct CrossFade to Color	000-255		
11	/	/	Red	000-255		
12	/	/	Red Fine	000-255		
13	/	/	Green	000-255		
14	/	/	Green Fine	000-255		
15	/	/	Blue	000-255		
16	/	/	Blue Fine	000-255		
17	/	/	Cyan	000-255		
18	/	/	Cyan Fine	000-255		
19	/	/	Amber	000-255		
20	/	/	Amber Fine	000-255		
21	/	/	Mint	000-255		
22	/	/	Mint Fine	000-255		
/	11	/	Cyan	000-255		
/	12	/	Cyan Fine	000-255		
/	13	/	Magenta	000-255		
/	14	/	Magenta Fine	000-255		
/	15	/	Yellow	000-255		
/	16	/	Yellow Fine	000-255		
/	/	11	X	000-255		
/	/	12	X Fine	000-255		
/	/	13	Y	000-255		
/	/	14	Y Fine	000-255		
23	17	15	Color Wheel	000-010	Open	
				011-023	Open + Color1	
				024-036	Color 1	
				037-049	Color 1 + Color 2	
				050-062	Color 2	
				063-075	Color 2 + Color 3	
				076-088	Color 3	
				089-101	Color 3 + Color 4	
				102-114	Color 4	
				115-127	Color 4 + Open	
				128-190	Fast to Slow(Forward Spin)	
191-192	Stop (Stop Rotation)					
193-255	Slow to Fast(Revers Spin)					
24	18	16	Gobo1	000-010	Open	
				011-020	Gobo1	
				021-030	Gobo2	
				031-040	Gobo3	
				041-050	Gobo4	
				051-060	Gobo5	
				061-071	Gobo6	
				072-113	Fast to Slow(Revers Spin)	
				114-117	Stop (Stop Rotation)	
				118-159	Slow to Fast(Forward Spin)	
				160-175	Gobo1 Shaking Slow to Fast	
				176-191	Gobo2 Shaking Slow to Fast	
				192-207	Gobo3 Shaking Slow to Fast	
				208-223	Gobo4 Shaking Slow to Fast	
				224-239	Gobo5 Shaking Slow to Fast	
				240-255	Gobo6 Shaking Slow to Fast	

## 10.3 DMX CHART

25	19	17	RGobo1	000-127	0 - 540 Position	
				128-190	Fast to Slow(Forward Spin)	
				191-192	Stop (Stop Rotation)	
				193-255	Slow to Fast(Revers Spin)	
26	20	18	Gobo2	000-010	Open	
				011-020	Gobo1	
				021-030	Gobo2	
				031-040	Gobo3	
				041-050	Gobo4	
				051-060	Gobo5	
				061-071	Gobo6	
				072-113	Fast to Slow(Revers Spin)	
				114-117	Stop (Stop Rotation)	
				118-159	Slow to Fast(Forward Spin)	
				160-175	Gobo1 Shaking Slow to Fast	
				176-191	Gobo2 Shaking Slow to Fast	
				192-207	Gobo3 Shaking Slow to Fast	
				208-223	Gobo4 Shaking Slow to Fast	
224-239	Gobo5 Shaking Slow to Fast					
240-255	Gobo6 Shaking Slow to Fast					
27	21	19	RGobo2	000-127	0 - 540 Position	
				128-190	Fast to Slow(Forward Spin)	
				191-192	Stop (Stop Rotation)	
				193-255	Slow to Fast(Revers Spin)	
28	22	20	Prism1	000-127	Prism Excluded	
				128-255	Prism Inserted	
29	23	21	RPrism1	000-127	0 - 540 Position	
				128-190	Fast to Slow(Forward Spin)	
				191-192	Stop (Stop Rotation)	
				193-255	Slow to Fast(Revers Spin)	
30	24	22	Prism2	000-127	Prism Excluded	
				128-255	Prism Inserted	
31	25	23	RPrism2	000-127	0 - 540 Position	
				128-190	Fast to Slow(Forward Spin)	
				191-192	Stop (Stop Rotation)	
				193-255	Slow to Fast(Revers Spin)	
32	26	24	Frost	000-255	Frost 0->100%	
34	28	26	REffect	000-255	Effect Inserted 0%~100%	
				000-003	Stop (Stop Rotation)	
				004-127	Fast to Slow(Forward Spin)	
				128-132	Stop (Stop Rotation)	
35	29	27	Iris	133-255	Slow to Fast(Revers Spin)	
				000-127	Maximum to Minimum Aperture	
				128-131	Maximum Aperture	
				132-171	Slow to Fast Pulsation	
				172-211	Slow to Fast Pulsation,Fast Opening	
				212-251	Slow to Fast Pulsation,Fast Closing	
252-255	Maximum Aperture					
36	30	28	Focus	000-255		
37	31	29	Focus Fine	000-255		
38	32	30	Zoom	000-255		
39	33	31	Zoom Fine	000-255		

## 10.4 DMX CHART

40	34	32	Auto Focus	000-010	Auto Focus OFF		
				011-020	4 metres	Hole	
				021-030	6 metres		
				031-040	8 metres		
				041-050	10 metres		
				051-060	12 metres		
				061-070	14 metres		
				071-080	16 metres		
				081-090	18 metres		
				091-100	4 metres		RGobo1
				101-110	6 metres		
				111-120	8 metres		
				121-130	10 metres		
				131-140	12 metres		
				141-150	14 metres		
				151-160	16 metres		
				161-170	18 metres		
				171-180	4 metres	RGobo2	
				181-190	6 metres		
				191-200	8 metres		
				201-210	10 metres		
				211-220	12 metres		
				221-230	14 metres		
				231-240	16 metres		
				241-250	18 metres		
251-255	Auto Focus OFF						
41	35	33	Framing Shutter 1 movent	000-255	Movement from outward to inward		Framing Shutter Mixed Mode
			Framing Shutter 1_1 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
42	36	34	Framing Shutter 1 swivelling	000-127	Swivelling from -25 degrees towards 0 degrees	Framing Shutter Mixed Mode	
				128	0 degrees		
				129-255	Swivelling from 0 degrees to +25 degrees		
			Framing Shutter 1_2 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
43	37	35	Framing Shutter 2 movent	000-255	Movement from outward to inward	Framing Shutter Mixed Mode	
			Framing Shutter 2_1 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
44	38	36	Framing Shutter 2 swivelling	000-127	Swivelling from -25 degrees towards 0 degrees	Framing Shutter Mixed Mode	
				128	0 degrees		
				129-255	Swivelling from 0 degrees to +25 degrees		
			Framing Shutter 2_2 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
45	39	37	Framing Shutter 3 movent	000-255	Movement from outward to inward	Framing Shutter Mixed Mode	
			Framing Shutter 3_1 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
46	40	38	Framing Shutter 3 swivelling	000-127	Swivelling from -25 degrees towards 0 degrees	Framing Shutter Mixed Mode	
				128	0 degrees		
				129-255	Swivelling from 0 degrees to +25 degrees		
			Framing Shutter 3_2 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	
47	41	39	Framing Shutter 4 movent	000-255	Movement from outward to inward	Framing Shutter Mixed Mode	
			Framing Shutter 4_1 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode	

## 10.5 DMX CHART

48	42	40	Framing Shutter 4 swivelling	000-127	Swivelling from -25 degrees towards 0 degrees	Framing Shutter Mixed Mode
				128	0 degrees	
				129-255	Swivelling from 0 degrees to +25 degrees	
			Framing Shutter 4_2 movent	000-255	Movement from outward to inward	Framing Shutter Independent Mode
49	43	41	Framing Shutters Rotation	000-127	Rotation from left to center	
				128	Center	
				129-255	Rotation from center to right	
50	44	42	Control(Hold 3 Second)	000-005	None	
				006-010	Dimmer Mode Off	
				011-015	Dimmer Mode 1	
				016-020	Dimmer Mode 2	
				021-025	Dimmer Mode 3	
				026-030	Dimmer curve Linear	
				031-035	Dimmer curve Exponential	
				036-040	Dimmer curve Logarithmic	
				041-045	Dimmer curve S	
				046-050	Dimmer Mode Auto	
				051-055	Led Frequency=1200Hz	
				056-060	Reserve	
				061-065	Reserve	
				066-070	Reserve	
				071-075	Led Frequency=25000Hz	
				076-080	Pan Inverse Off	
				081-085	Pan Inverse On	
				086-090	Tilt Inverse Off	
				091-095	Tilt Inverse On	
				096-100	Swap PanTilt Off	
				101-105	Swap PanTilt On	
				106-110	Auto	
				111-115	On	
				116-120	Off	
				121-125	Silent	
				126-130	Color Calibration Off	
				131-135	Reserve	
				136-140	Factory Calibration	
				141-150	Reserve	
				151-155	Red Shift Off	
				156-160	Red Shift On	
				161-165	Framing Shutter Independent Mode	
				166-170	Framing Shutter Mixed Mode	
171-235	Reserve					
236-240	Reserve					
241-245	Head Reset					
246-250	Pan/Tilt Reset					
251-255	Complete Reset					

## 11. MAINTENANCE

- Make sure the area below the installation place is free from unwanted persons during setup.
- Switch off the unit, unplug the main cable and 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 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 part 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.

## 12. TROUBLESHOOTING

<b>Problems</b>	<b>Possible causes</b>	<b>Checks and remedies</b>
Fixture does not light up	<ul style="list-style-type: none"> <li>• No mains supply</li> <li>• Dimmer fader set to 0</li> <li>• All color faders set to 0</li> <li>• Faulty LED</li> <li>• Faulty LED board</li> </ul>	<ul style="list-style-type: none"> <li>• Check the power supply voltage</li> <li>• Increase the value of the dimmer channels</li> <li>• Increase the value of the color channels</li> <li>• Replace the LED board</li> <li>• Replace the LED board</li> </ul>
General low light intensity	<ul style="list-style-type: none"> <li>• Dirty lens assembly</li> <li>• Misaligned lens assembly</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the fixture regularly</li> <li>• Install lens assembly properly</li> </ul>
Fixture does not power up	<ul style="list-style-type: none"> <li>• No power</li> <li>• Loose or damaged power cord</li> <li>• Faulty internal power supply</li> </ul>	<ul style="list-style-type: none"> <li>• Check for power on power outlet</li> <li>• Check power cord</li> <li>• Replace internal power supply</li> </ul>
Fixture does not respond to DMX	<ul style="list-style-type: none"> <li>• Wrong DMX addressing</li> <li>• Damaged DMX cables</li> <li>• Bouncing signals</li> </ul>	<ul style="list-style-type: none"> <li>• Check control panel and unit addressing</li> <li>• Check DMX cables</li> <li>• Install terminator as suggested</li> </ul>

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



**EKINC.**

Address: NO.55 Zhongzhun Road, Cuiheng New District, Zhongshan City, Guangdong Province

Phone: 0086 (0760) 88280099

[www.eklights.com](http://www.eklights.com)