

# EC7

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

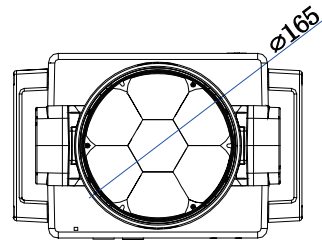
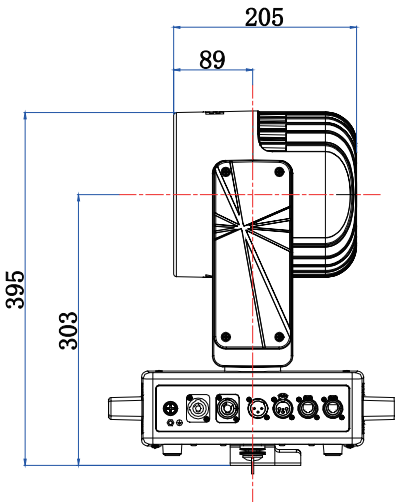
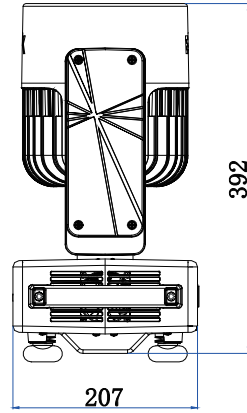
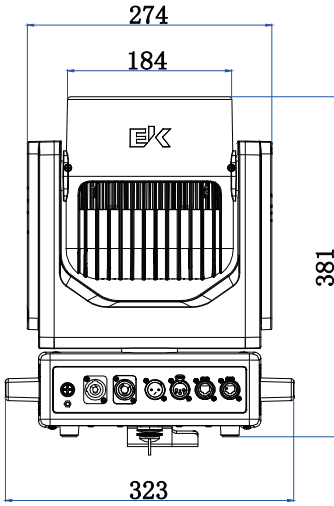
- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- The unit is supplied with hazardous network voltage (230V~). Service should be undertaken by skilled personnel only. Never make any modifications on the unit not described in this 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.



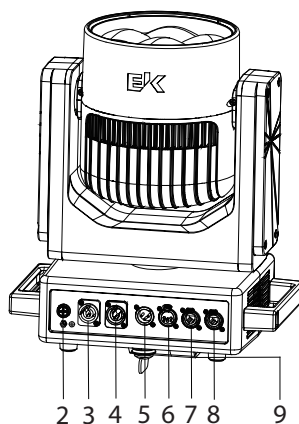
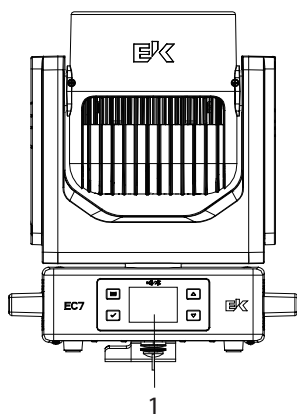
## Warnings and installation precautions

- 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 ongoing 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.

## 2.Dimension



### 3. Control



1. Control Panel

2. Fuse

3. Power In

4. Power Out

5. 5pin DMX In

6. 5pin DMX Out

7/8. EtherCON

9. Omega bracket

### 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

If needing to flip the display, hold UP + DOWN buttons for 3 seconds to change the display orientation.

It is possible to set parameters without an external power source. Long press the enter button for 3 seconds.

## 4. Fixture Specification

### 4.1 Technical datasheet

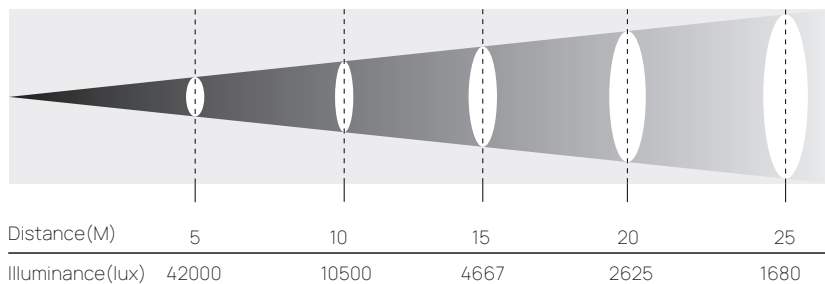
EK-EC7	
<b>PHOTOMETRICS</b>	
Light Source	7 x 50W RGBWW LED
Colour Temperature	2800K to 10,000K
Output	Upto 7400 lumen
CRI	>93
LED Life	30,000H
<b>KEY FEATURES</b>	
PAN	540°
TILT	247°
Colour System	RGBWW
Zoom	Beam angle 3.8°-33.8°    Field angle 5.5°-51.2°
Strobe	1-30HZ
Dimming	0-100% linear dimming
<b>Power</b>	
Mains	100 to 240V, 50/60Hz
Power	420W @ 230V
Power connections	True1 IN/OUT
Data connections	Amphenol XLR 5p IN/OUT connectors

## 4.1 Technical datasheet

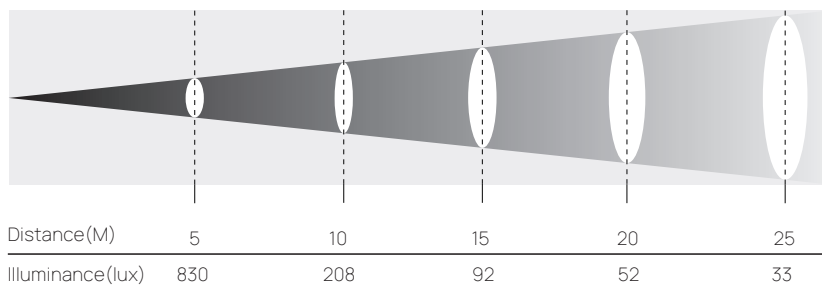
Power Factor	0.97 @ 230V
Ambient	-10 ~ 45°C
<b>PHYSICAL</b>	
Dimension	323 x 207 x 381mm
Weight	9.7kg
IP Rating	IP20
Cooling	Aluminum alloy heat sink with low noise fan
Housing	Black flame-retardant nylon with fibre reinforcement,spray-painted
Installation	Sit-flat floor mounting, side hanging and flown mounting
<b>CONTROL</b>	
Protocol	DMX512/RDM/sACN/Artnet/Bluetooth/APP/NFC
DMX Channel	16CH/34CH/31CH+Pixels 28CH
Display	240RGBx320 2.8 inch TFT display
Frequency	600Hz/1.2KHz/2KHz/ 4KHz/6KHz/25KHz
Built-in Programs	Yes
Pixel Control	Single control
<b>Accessories</b>	
Standard equipment	Omega Bracket,Power Cable

## 4.2 Photometric Diagram

Beam angle :  $3.8^{\circ}$



Beam angle:  $33.8^{\circ}$





## 5 Fixture Setting

### 5.1 Menu Function

Menu(-)					
	Main Menu	Menu level 2	Menu level 3	Menu level4	Remark
1	SETUP	Basic Engine	Mode	Basic-16 Standard-34 Advanced-31 Basic-40 Standard-62	Default: Basic -40
			Source	DMX Art-Net sACN	Default:DMX
			Universe	000-255	Default: 0
			DMX Address	1-512	Default: 1
		Pixels Engine	Mode	Disabled RGBW	Default: Disabled
			Source	DMX Art-Net sACN Kling-Net	Default: DMX
			Universe	000-255	Default: 0
			DMX Address	1-512	Default: 1
		Ethernet Setup	Custom IP Address	2.198.159.207	Default: 2.x.x.x
			Custom IP Mask	255.0.0.0	Default: 255.0.0.0
			Repeat on DMX	No Both Engine Basic Engine Pixels Engine	Default: No
2	OPTION	Pan / Tilt	Invert Pan	Off	Default: Off
				On	
			Invert Tilt	Off	Default: Off
				On	
			Swap Pan- Tilt	Off	Default: Off
				On	
			Encoder Pan- Tilt	Off	Default: On
				On	
			P/T Homing Mode	Standard	Default: Standard
				Sequenced	
			Pan Home Def Pos	0 degree	Default: 270 degree
				90 degrees	
				180 degrees	
				270 degrees	
			Tilt Home Def Pos	0 %	Default: 50%
				12.5 %	
				25 %	
				50 %	
				75 %	
				87.5 %	
				100 %	

## 5.2 Menu Function

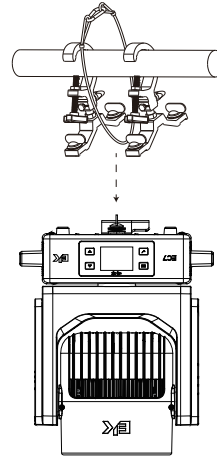
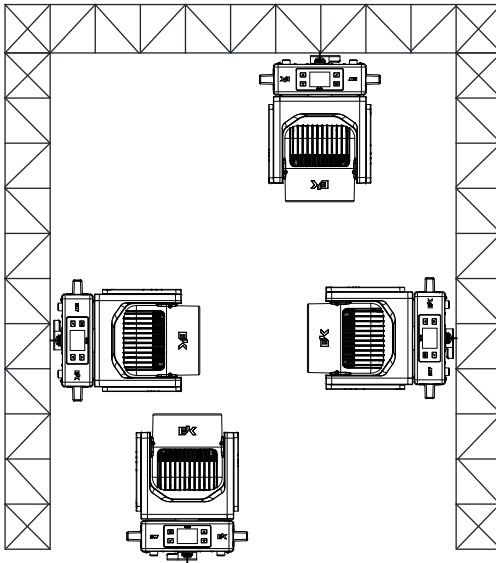
			P/T Speed	Normal	Default: Fast		
				Fast			
		Display	On		Default: 10s		
			10s				
			20s				
			30s				
		Key Lock	No		Default: No (Up+Down+Up+Down+Enter)		
			Yes				
		Fan Mode	Auto		Default: Auto		
			SLN				
			Constant				
		Power Mode	STD Power		Default: STD Power		
			ECO Power				
		Reverse Mapping	Off		Default: Off		
			On				
		Special Functions	Dimmer Curve	Linear		Default: Exponential	
				Exponential			
				Logarithmic			
				S-Curve			
			Dimmer Fade	Off		Default: On	
				On			
			RGB Gamma	Gamma 1.0		Default: Gamma 2.2	
				Gamma 1.5			
				Gamma 2.2			
			PWM Frequency	600Hz		Default:2000Hz	
				1200Hz			
				2000Hz			
				4000Hz			
				6000Hz			
				25000Hz			
		Zoom Reposition	On				
			Off				
		Setting	Default Preset	No			
				Yes			
			User Preset 1	Load preset 1	Yes / No		
				Save to preset 1			
			User Preset 2	Load preset 2	Yes / No		
				Save to preset 2			
			User Preset 3	Load preset 3	Yes / No		
				Save to preset 3			
3	INFORMATION	System Errors					
		Fixture Hours	Total Hours				
		Led Hours	Total Hours				
		System Version	DISP-V1.0 CTR1-XY-V1.0 CTR2-MOTOR-V1.0				
		Fans Monitor	Led Fan Base Fan	100%			
		Network parameters	IP Address	2.198.159.207			
			IP Mask	255.0.0.0			
4	TEST	Auto	Pan Tilt				

5.3 Menu Function

5	ADVANCED		Colour			
			Zoom			
			All			
		Reset	No			
			Yes			
		Channel				
		Access Code xxxx	Color Calibration	Off		Default: Off
				Factory Calibration		
				Customized Calibration	Red 125-255	
					Green 125-255	
					Blue 125-255	
					White 125-255	
			Calibration	Pan Offset	000-255	
				Tilt Offset	000-255	
				Zoom Offset	000-255	
			Menu Locking	Unlock Code xxxx		Default: 1234
			Upload Firmware	Yes / No		

## 6. Installation and Connection

### 6.1.1 Installation Instruction

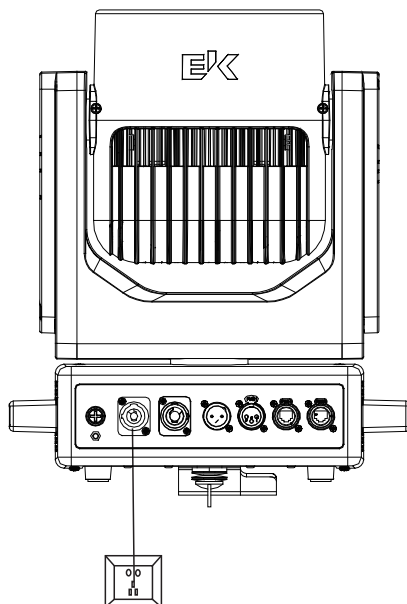


### 6.1.2 Notes

We recommend the following general guidelines below:

1. Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration and maintenance.
2. Keep any Flammable materials at a safe distance from the fixture, as indicated in the safety notes.
3. Make sure that the device is not exposed to extreme heat, moisture or dust.
4. Make sure that the structure to which you are hanging, the modules can support the weight. The EC7 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 clips are required. The mounting place must be sufficiently stable and capable of supporting at least 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.
5. Install the fixture at a suitable location by means of the mounting bracket.
6. Always additionally secure the fixture with the safety rope to prevent the unit from falling down. For this purpose, fasten the safety rope at a suitable position so that the maximum fall of the fixture will be 20 cm.
7. Adjust the fixture and use the knob to slightly release or tighten the locking mechanism of the bracket if it is necessary.

## 6.2 Power Connection



## Power connection instructions



Power In

This unit uses True1 in/out

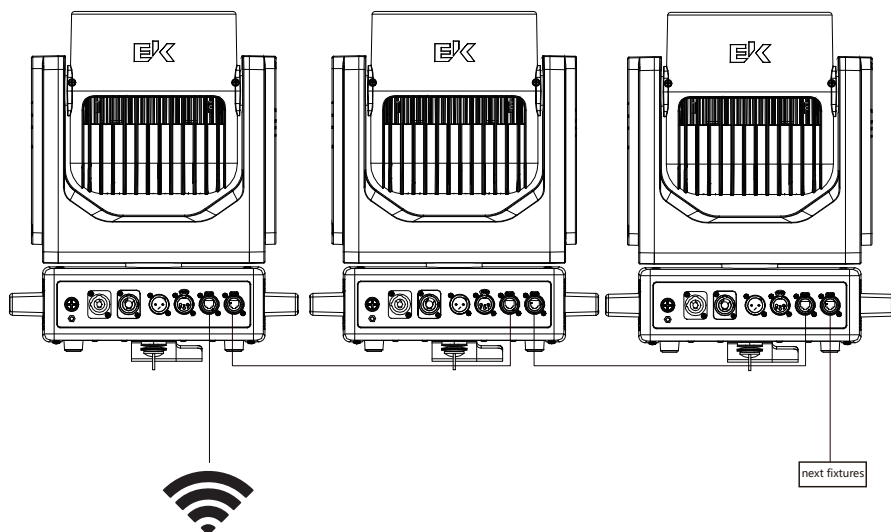
Notes: Using 1.5mm<sup>2</sup> power cable, it is possible to link up to 4 units (230V) maximum.



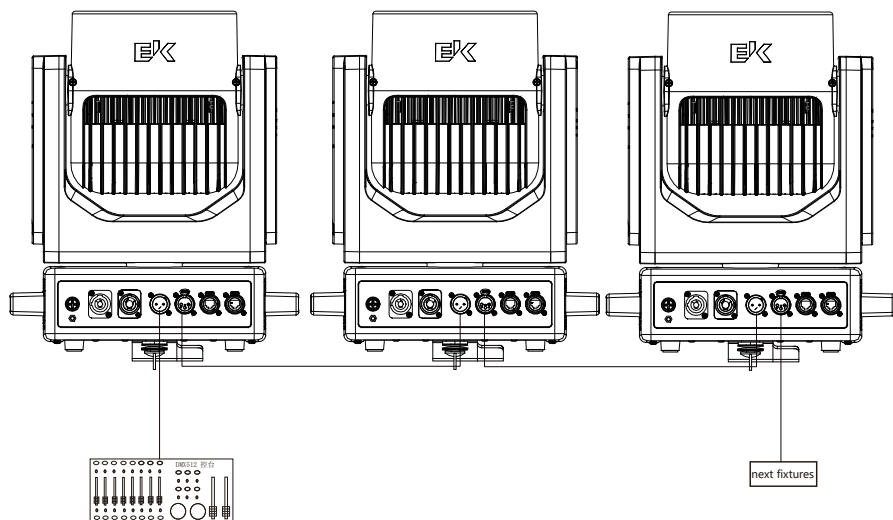
Do not connect more than 4 units with one power cable  
 Do not use the power cable if the insulation layer has been damaged,  
 Do not put the power cable on other wires. When the EC7 is not in use  
 or is being cleaned, please remove the power cable.  
 Do not vigorously plug in or drag the power cable.

## 6.3 Data Connection

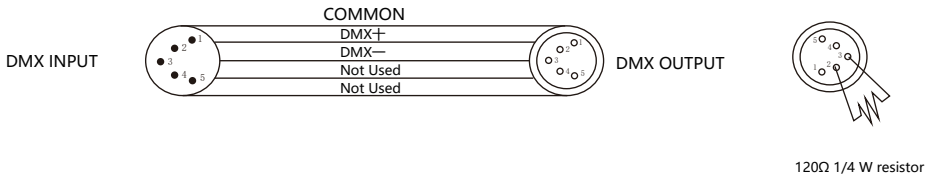
### Network connection



### DMX connection



## DMX Connection



### EXAMPLE OF DMX ADDRESSING

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

The actual start addresses will be determined by the operator as it needs to match the external controller settings.

### Relation between DMX and Address

MODE	ADDRESS	1ST FIXTURE	2ND FIXTURE	3RD FIXTURE	4TH FIXTURE
Advanced	001 -031	001	032	063	094

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

## 6.4.1 DMX Chart

Basic	Basic -16			
1	PAN	000-255		
2	PAN Fine	000-255		
3	TILT	000-255		
4	TILT Fine	000-255		
5	ZOOM	000-255	From narrow to wide beam	
6	Strobe	000-003	Light OFF	
		004-103	Strobe from low (1Hz) to fast (25Hz)	
		104-107	Light ON	
		108-207	Pulsation from slow (0.5 Hz) to fast (25 Hz)	
		208-212	Light ON	
		213-225	Random Slow Strobe	
		226-238	Random Medium Strobe	
		239-251	Random Fast Strobe	
		252-255	Light ON	
7	Dimmer	000-255		
8	Dimmer Fine	000-255		
9	CTO	000-004	OFF	
		005-255	CTO 10000K-2800K	
10	Dimmer Fade	000-255	Fast to Slow	
11	FUNCTION	000-003	None	
		004-007	Auto (Default)	
		008-011	SLN	
		012-015	Constant	
		016-019	Normal Tilt speed	
		020-023	Fast Tilt speed (Default)	
		024-039	None	
		040-043	Linear	
		044-047	Exponential (Default)	
		048-051	Logarithmic	
		052-055	S-Curve	
		056-059	None	
		060-063	Raw color channels gamma 1	
		064-067	Raw color channels gamma 1.5	
		068-071	Raw color channels gamma 2.2 (Default)	
		072-075	Color Calibration Off (Default)	
		076-079	Color Calibration Factory	
		080-083	Color Calibration Customized	
		084-087	None	
		088-091	Reverse Mapping Off (Default)	
		092-095	Reverse Mapping On	
		096-097	Pixel Map Disabled(Default)	
		098-099	Pixel Map On Circle Mode	
		100-103	Pixel Map On RGBW Mode	
		104-107	Zoom Reposition On(Default)	
		108-111	Zoom Reposition Off	
		112-159	None	
		160-163	Dimmer Fade Off	
		164-167	Dimmer Fade On	
		168-171	PWM frequency LED=600Hz	
		172-175	PWM frequency LED=1200Hz	
		176-179	PWM frequency LED=2000Hz (Default)	
		180-183	PWM frequency LED=4000Hz	
		184-187	PWM frequency LED=6000Hz	
		188-191	PWM frequency LED=25000Hz	
		192-195	Display On	
		196-199	Display Off 10s (Default)	
		200-203	Display Off 20s	
		204-207	Display Off 30s	
		208-253	None	
		254-255	Default function recall	
12	RESET	000-025	No Function	
		026-076	Zoom Reset (Hold 5S)	
		077-127	Pan / Tilt Reset (Hold 5S)	
		128-255	Complete Reset (Hold 5S)	
13	Red	000-255		
14	Green	000-255		
15	Blue	000-255		
16	White	000-255		

LAYERS	Standard-34	Advanced-31			
MAIN	1	1	PAN	000-255	
	2	2	PAN Fine	000-255	
	3	3	TILT	000-255	
	4	4	TILT Fine	000-255	



## 6.4.2 DMX Chart

BACKGROUND	5	5	ZOOM	000-255	From narrow to wide beam	
	6	6	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	7	7	Dimmer	000-255		
	8	8	Dimmer Fine	000-255		
	9	9	FUNCTION	000-003 004-007 008-011 012-015 016-019 020-023 024-039 040-043 044-047 048-051 052-055 056-059 060-063 064-067 068-071 072-075 076-079 080-083 084-087 088-091 092-095 096-097 098-099 100-103 104-107 108-111 112-159 160-163 164-167 168-171 172-175 176-179 180-183 184-187 188-191 192-195 196-199 200-203 204-207 208-253 254-255	None Auto (Default) SLN Constant Normal Tilt speed Fast Tilt speed (Default) None Linear Exponential (Default) Logarithmic S-Curve None Raw color channels gamma 1 Raw color channels gamma 1.5 Raw color channels gamma 2.2 (Default) Color Calibration Off (Default) Color Calibration Factory Color Calibration Customized None Reverse Mapping Off (Default) Led Reverse Mapping On Led Pixel Map Disabled(Default) Pixel Map On Circle Mode Pixel Map On RGBW Mode Zoom Reposition On(Default) Zoom Reposition Off None Dimmer Fade Off Dimmer Fade On PWM frequency LED=600Hz PWM frequency LED=1200Hz PWM frequency LED=2000Hz (Default) PWM frequency LED=4000Hz PWM frequency LED=6000Hz PWM frequency LED=25000Hz Display On Display Off 10s (Default) Display Off 20s Display Off 30s None Default function recall	HOLD 3S and Save
	10	10	RESET	000-025 026-076 077-127 128-255	No Function Zoom Reset (Hold 5S) Pan / Tilt Reset (Hold 5S) Complete Reset (Hold 5S)	
	11	11	Red	000-255		
	12	-	Red Fine	000-255		
	13	12	Green	000-255		
	14	-	Green Fine	000-255		
	15	13	Blue	000-255		
	16	-	Blue Fine	000-255		
	17	14	White	000-255		
	18	-	White Fine	000-255		
	19	15	CTO	000-004 005-255	OFF CTO 10000K-2800K	
	20	-	Dimmer Fade	000-255	Fast to Slow	
	21	16	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	

## 6.4.3 DMX Chart

	22	17	Dimmer	000-255		
	23	18	Red	000-255		
	24	19	Green	000-255		
	25	20	Blue	000-255		
	26	21	White	000-255		
	27	22	CTO	000-004 005-255	OFF CTO 10000K-2800K	
	28	23	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	29	24	Dimmer	000-255		
	30	25	Shape Mode	000-005 006-130 131-255	Normal Static Dynamic	
	31	26	Shape Selection	000-007 008-015 016-023 024-232 233-240 241-248 249-255	Effect 1 Effect 2 Effect 3 ... Effect 31 Effect 32 Effect 33	
	32	27	Indexing/speed /	000-255 000-124 125-130 131-255	Indexing (Static Mode) (Dynamic Mode) Speed from fast to slow, forward Stop Speed from slow to fast, backward	
	33	28	Fade/Wake	000-005 006-130 131-255	Off Fade (From fast to slow) Wake (From fast to slow)	
	34	29	Transition	000-255		
	-	30	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	-	31	Dimmer	000-255		

RGBW				
1	Red 1	000-255		
2	Green1	000-255		
3	Blue 1	000-255		
4	White 1	000-255		
5	Red 2	000-255		
6	Green 2	000-255		
7	Blue 2	000-255		
8	White 2	000-255		
...	...	...		
...	...	...		
21	Red 6	000-255		
22	Green 6	000-255		
23	Blue 6	000-255		
24	White 6	000-255		
25	Red 7	000-255		
26	Green7	000-255		
27	Blue 7	000-255		
28	White 7	000-255		

Basic-40				
1	PAN	000-255		
2	PAN Fine	000-255		
3	TILT	000-255		

## 6.4.4 DMX Chart

4	TILT Fine	000-255	
5	ZOOM	000-255	From narrow to wide beam
6	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON
7	Dimmer	000-255	
8	Dimmer Fine	000-255	
9	CTO	000-004 005-255	OFF CTO 10000K-2800K
10	Dimmer Fade	000-255	Fast to Slow
11	FUNCTION	000-003 004-007 008-011 012-015 016-019 020-023 024-039 040-043 044-047 048-051 052-055 056-059 060-063 064-067 068-071 072-075 076-079 080-083 084-087 088-091 092-095 096-097 098-099 100-103 104-107 108-111 112-159 160-163 164-167 168-171 172-175 176-179 180-183 184-187 188-191 192-195 196-199 200-203 204-207 208-253 254-255	None Auto (Default) SLN Constant Normal Tilt speed Fast Tilt speed (Default) None Linear Exponential (Default) Logarithmic S-Curve S None Raw color channels gamma 1 Raw color channels gamma 1.5 Raw color channels gamma 2.2 (Default) Color Calibration Off (Default) Color Calibration Factory Color Calibration Customized None Reverse Mapping Off (Default) Led Reverse Mapping On Led Pixel Map Disabled(Default) Pixel Map On Circle Mode Pixel Map On RGBW Mode Zoom Reposition On(Default) Zoom Reposition Off None Dimmer Fade Off Dimmer Fade On PWM frequency LED=600Hz PWM frequency LED=1200Hz PWM frequency LED=2000Hz (Default) PWM frequency LED=4000Hz PWM frequency LED=6000Hz PWM frequency LED=25000Hz Display On Display Off 10s (Default) Display Off 20s Display Off 30s None Default function recall
12	RESET	000-025 026-076 077-127 128-255	No Function Zoom Reset (Hold 5S) Pan / Tilt Reset (Hold 5S) Complete Reset (Hold 5S)
13	Red 1	000-255	
14	Green1	000-255	
15	Blue 1	000-255	
16	White 1	000-255	
17	Red 2	000-255	
18	Green 2	000-255	
19	Blue 2	000-255	
20	White 2	000-255	
...	...	...	
...	...	...	
33	Red 6	000-255	
34	Green 6	000-255	
35	Blue 6	000-255	
36	White 6	000-255	
37	Red 7	000-255	
38	Green7	000-255	
39	Blue 7	000-255	
40	White 7	000-255	

## 6.4.5 DMX Chart

LAYERS	Standard-58				
MAIN	1	PAN	000-255		
	2	PAN Fine	000-255		
	3	TILT	000-255		
	4	TILT Fine	000-255		
	5	ZOOM	000-255	From narrow to wide beam	
	6	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	7	Dimmer	000-255		
	8	Dimmer Fine	000-255		
	9	FUNCTION	000-003 004-007 008-011 012-015 016-019 020-023 024-039 040-043 044-047 048-051 052-055 056-059 060-063 064-067 068-071 072-075 076-079 080-083 084-087 088-091 092-095 096-097 098-099 100-103 104-107 108-111 112-159 160-163 164-167 168-171 172-175 176-179 180-183 184-187 188-191 192-195 196-199 200-203 204-207 208-253 254-255	None Auto (Default) SLN Constant Normal Tilt speed Fast Tilt speed (Default) None Linear Exponential (Default) Logarithmic S-Curve None Raw color channels gamma 1 Raw color channels gamma 1.5 Raw color channels gamma 2.2 (Default) Color Calibration Off (Default) Color Calibration Factory Color Calibration Customized None Reverse Mapping Off (Default) Led Reverse Mapping On Led Pixel Map Disabled(Default) Pixel Map On Circle Mode Pixel Map On RGBW Mode Zoom Reposition On(Default) Zoom Reposition Off None Dimmer Fade Off Dimmer Fade On PWM frequency LED=600Hz PWM frequency LED=1200Hz PWM frequency LED=2000Hz (Default) PWM frequency LED=4000Hz PWM frequency LED=6000Hz PWM frequency LED=25000Hz Display On Display Off 10s (Default) Display Off 20s Display Off 30s None Default function recall	HOLD 3S and Save
	10	RESET	000-025 026-076 077-127 128-255	No Function Zoom Reset (Hold 5S) Pan / Tilt Reset (Hold 5S) Complete Reset (Hold 5S)	
BACKGROUND	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	White	000-255		
	18	White Fine	000-255		
	19	CTO	000-004 005-255	OFF CTO 10000K-2800K	
	20	Dimmer Fade	000-255	Fast to Slow	

## 6.4.6 DMX Chart

SHAPE	21	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	22	Dimmer	000-255		
	23	Red	000-255		
	24	Green	000-255		
	25	Blue	000-255		
	26	White	000-255		
	27	CTO	000-004 005-255	OFF CTO 10000K-2800K	
	28	Strobe	000-003 004-103 104-107 108-207 208-212 213-225 226-238 239-251 252-255	Light OFF Strobe from low (1Hz) to fast (25Hz) Light ON Pulsation from slow (0.5 Hz) to fast (25 Hz) Light ON Random Slow Strobe Random Medium Strobe Random Fast Strobe Light ON	
	29	Dimmer	000-255		
	30	Shape Mode	000-005 006-130 131-255	Normal Static Dynamic	
	31	Shape Selection	000-007 008-015 016-023 024-232 ... 233-240 241-248 249-255	Effect 1 Effect 2 Effect 3 ... Effect 31 Effect 32 Effect 33	
	32	Indexing/speed	000-255 000-124 125-130 131-255	Indexing (Static Mode) (Dynamic Mode) Speed from fast to slow, forward Stop Speed from slow to fast, backward	
	33	Fade/Wake	000-005 006-130 131-255	Off Fade (From fast to slow) Wake (From fast to slow)	
	34	Transition	000-255		
	35	Red 1	000-255		
	36	Green1	000-255		
	37	Blue 1	000-255		
	38	White 1	000-255		
	39	Red 2	000-255		
	40	Green 2	000-255		
	41	Blue 2	000-255		
	42	White 2	000-255		
	...	...	...		
	...	...	...		
	55	Red 6	000-255		
	56	Green 6	000-255		
	57	Blue 6	000-255		
	58	White 6	000-255		
	59	Red 7	000-255		
	60	Green7	000-255		
	61	Blue 7	000-255		
	62	White 7	000-255		

## 7 Error Information

- 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 any 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, use a clean and soft cloth. Never use liquid. Using liquid could penetrate the unit and cause damage.

## TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not output	<ul style="list-style-type: none"> <li>• No mains supply</li> <li>• Dimmer channels set to 0</li> <li>• All colour channels 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 dimmer channels</li> <li>• Increase the value of colour channels</li> <li>• Replace the LED Board</li> <li>• Replace the LED Board</li> </ul>
General lowlight 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 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 DMX address and mode</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 which cannot be solved by the procedure given in the table



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