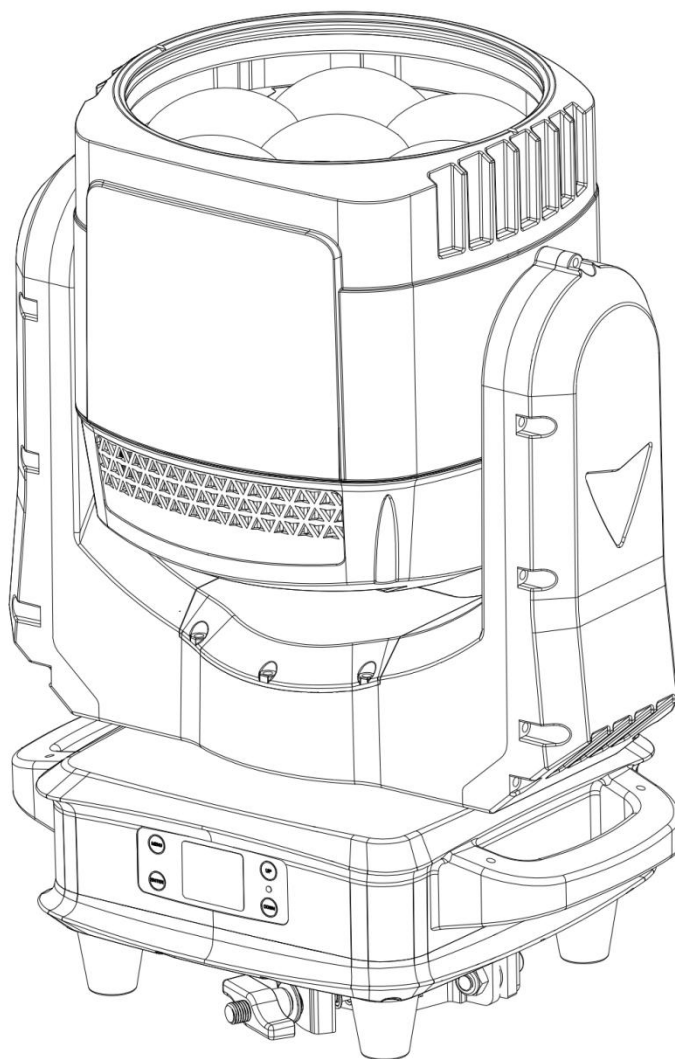


X760



User Manual

1. Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.
- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged
- Unit's surface temperature may reach up to 65°C. DO NOT touch the housing bare-handed during its operation
- Avoid any flammable liquids, water or metal from entering the unit.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged

- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

2.INSTALLATIONS

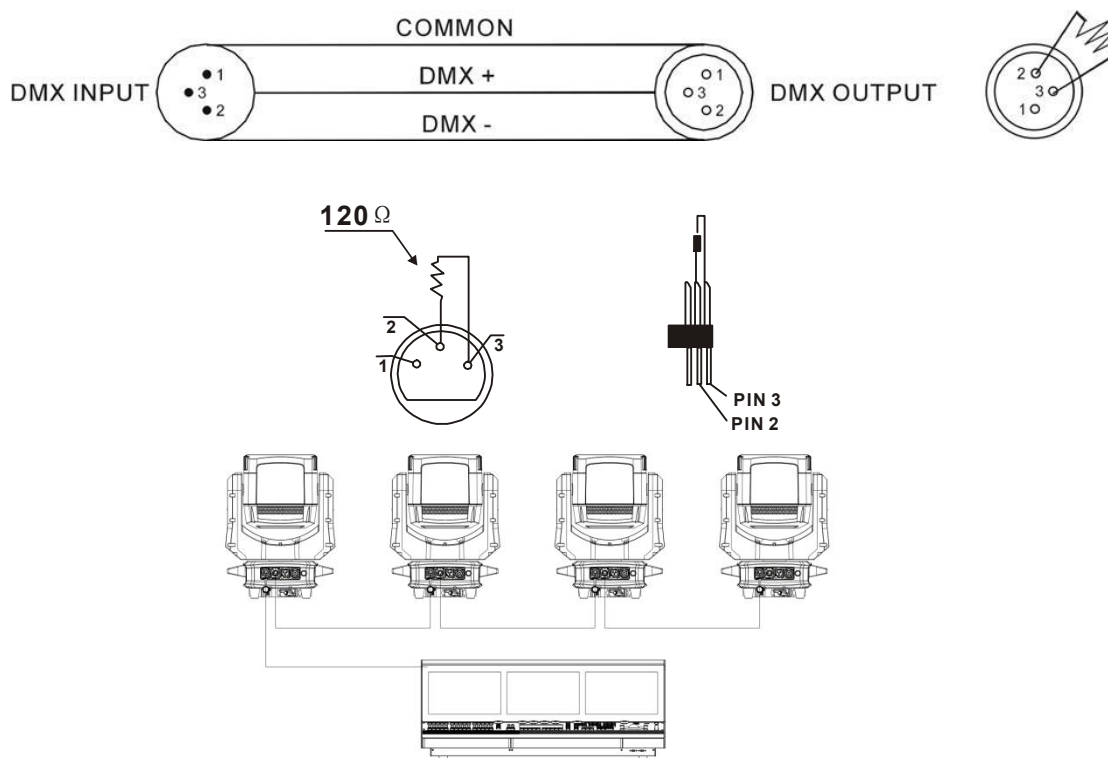
- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope) Do not stand directly under the equipment when installing, removing, or servicing fixtures
- Ensure that this fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decorations, etc.)
- Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged
Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury
Before connecting the main power cord to an appropriate wall outlet, make sure to complete all assembly and installation procedures

3. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.

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



4.Address code setting

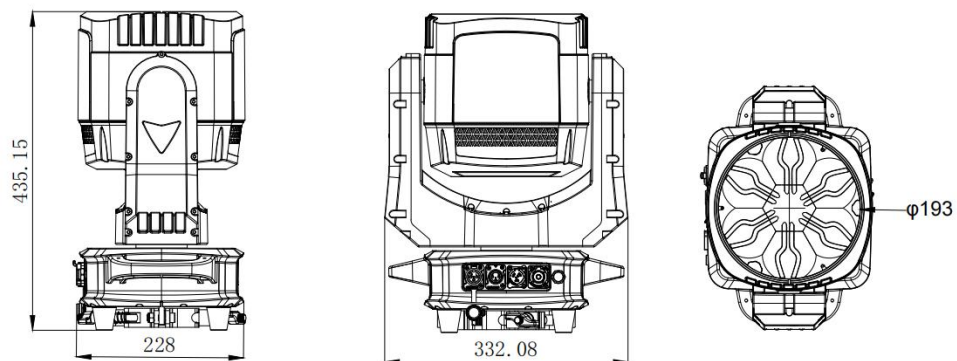
If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode. Please refer to the following diagram to address your DMX512 channel for the first 4 units.

Channel MODE	UNIT1 ADDRESS	UNIT2 ADDRESS	UNIT3 ADDRESS	UNIT4 ADDRESS
20CH	1.1	1.13	1.25	1.38
36CH	1.1	1.28	1.55	1.82
57CH	1.1	1.45	1.89	1.133

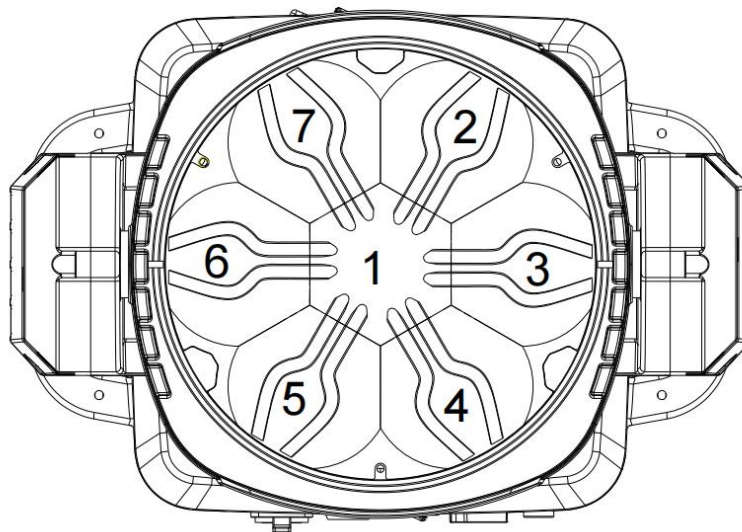
66CH	1.1	111	221	331
93CH	1.1	1.139	1.277	1.451
102CH	1.1	1.270	2.1	2.270
214CH	1.1	1.167	1.333	2.1

5. Fixture size

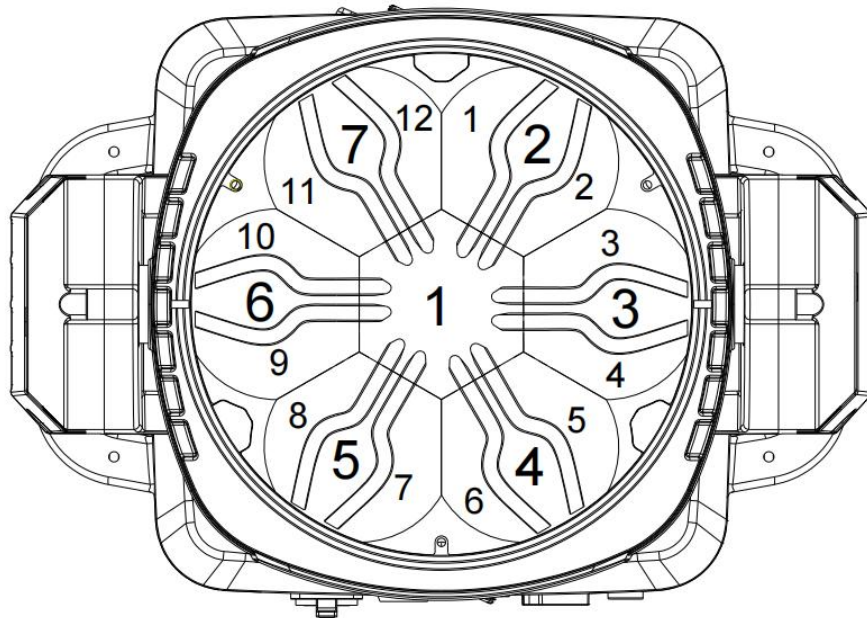


6. LED PIXEL ZONES

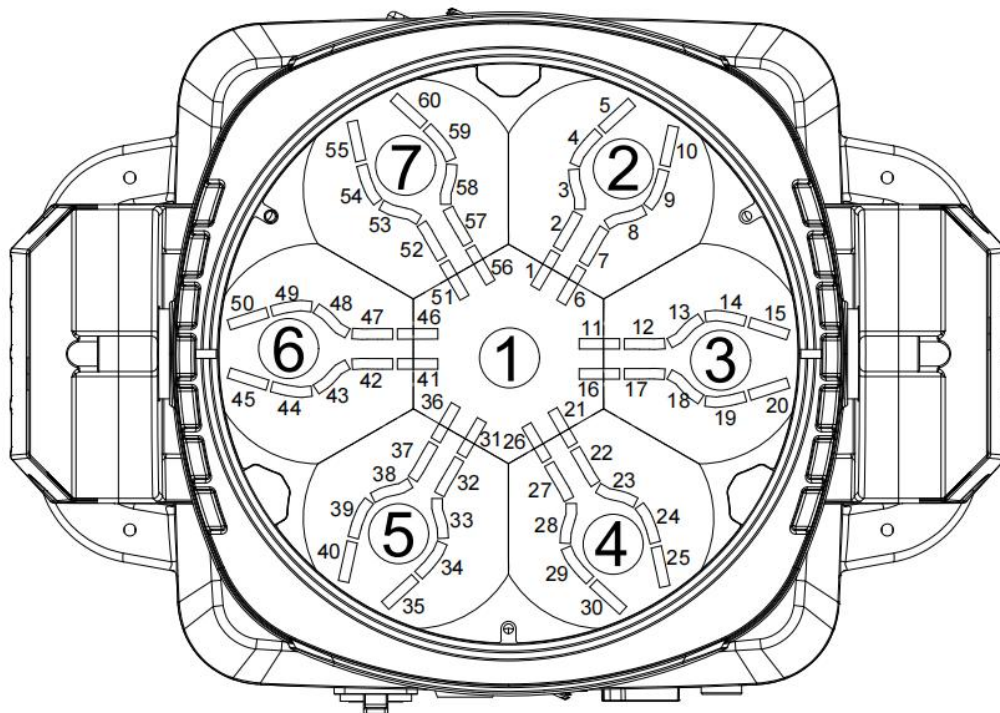
57/66CH pixel segment



93/102CH pixel segment



214CH pixel segment



7.LED technical parameters

Input voltage: 100-240V, 50/60Hz

Power consumption: 520W

Power supply: 600W

Main light source: 7PCSx60W RGBW 4IN 1

Auxiliary light 180PCSx0.2W 3535RGB 3IN1

Color System: Excellent Color Macro Effects

Powerful color mixing effect

Rich dynamic color effects

Pixel matrix: Main light 7psc controlled separately

Auxiliary light 12 segment independent control

It can also be controlled by a group of three light beads for point control

LED lifespan:>20000 hours

Zoom angle: 5-50 °

CTO:2500k-8000k

DMX channel: 20/36/57/93 channels

Operation mode: DMX512、 Automatic, master-slave/ RDM

Dimmer: 0-100% smooth linear dimming

Dimming curves: linear, square law, inverse square law, S-curve

Dimming speed: fast, slow

Strobe: 1-25HZ strong output flicker effect

Display: OLED display

Signal input/output: 3-pin and 5-pin waterproof XLR sockets

Power socket: Waterproof power connector input/output

Protection level: IP65

Size: 820x102x169mm

Net weight: 14kg

Feature

The fixture is composed of 7 60W RGBW four-color LEDs as the light source, with excellent color macro effects, making it easy to create powerful beams. Multiple channel modes are available and the LED can be controlled point by point, allowing for flexible color switching. A linear focusing system with a zoom angle of 5 ° -50 °, multiple speed strobe effects, and smooth dimming function from 0 to 100%. The backlight is composed of 180 0.2W 3535RGB LEDs, which can create a variety of dynamic lighting effects. The LED can be controlled point by point or divided into 12 stages, fully adapting to different stage application needs..Not only is it compact and lightweight, but its X and Y axes also operate with exceptional smoothness and minimal noise

8.Menu Description

Main Menu	First level menu	Secondary menu	Third level menu
DMX Address	001-255		
Channel Mode	20/36/57/66/93/102/214		
Run	DMX		
	Auto		
Reset motor	Reset All		
	Pan/tilt		
	zoom		
	Return		
settings	dimmer		
	Master /remote	Master/slave	
	Dimmer curve	square	
		linear	
		Square Root	
		S-Curve	
	Pan Reverse	N/Y	
	Dim speed	Fast/slow	
	Dim frequency	1KHZ-64KHZ	
	Pan Reverse	N/Y	
	Tilt Reverse	N/Y	
	Pan Range	Start	000
		End	255
	Tilt Range	Start	000
		End	255
	Fan Control	Auto	
		high	
		medium	
		low	
		Ultra low	
	Lost signal	Keep/dim off	
	return		
DMX Manual	pan	0-255	
	tilt	0-255	
		0-255	
	...	0-255	
	return		
Adv.settings	Fine Adj	Password:xxx	
	Fine Adj Assist	Recover	
		Show backup	

	Display set	sleep	30sec/...
		Invert	N/Y
		Display lock	On/off
		Display	On/off
	language	Eng/中文	
	Recover set	On/off	
	Return		
Factory set	Password:xxx		
Info	Dmx monitor	Dmx value	001-032
			
		Dmx value	257-282
		FPS	000
		Total chns	000
		return	
	Test	Password:xxx	
	LED Usage time	Current	Xxxx min
		Total	Xxx hours
		clear	
	Error	xxxx	
	Vers	xxxx	

9. DMX Channel

20Channel

20CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	CTC
11		NO function
12		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)
	43	Lighter blue (Lee 353)

	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)
	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
13	0-255	Zoom
14	0-255	Zoom fine

15	0-255	pan
16	0-255	Pan fine
17	0-255	tilt
18	0-255	Tilt fine
19		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
20		LED frequency
	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	○ ○ ○	○ ○ ○
	○ ○ ○	○ ○ ○
	○ ○ ○	○ ○ ○
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function
	128	16KHz LED frequency (default)

	129-254	No function
	255	64KHz LED frequency

36Channel

36CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	CTC
11		NO function
12		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)

	43	Lighter blue (Lee 353)
	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)
	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
13	0-255	Zoom

14	0-255	Zoom fine
15	0-255	pan
16	0-255	Pan fine
17	0-255	tilt
18	0-255	Tilt fine
19		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
20		LED frequency
	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function

	128	16KHz LED frequency (default)
	129-254	No function
	255	64KHz LED frequency
21		NO function
22		Main LED effect selection
23		Main LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	130- 255	Effect forward slow → fast
24		Backlight LED effect selection
25		Backlight LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	130- 255	Effect forward slow → fast
26		NO function
27		Backlight LED strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
28	0-255	dimmer
29	0-255	Dimmer fine
30	0-255	Red
31	0-255	Green
32	0-255	blue
33	0-255	CTC
34	0-255	NO function
35		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)

37	Full CT blue (Lee 201)
39	Half CT blue (Lee 202)
41	Steel blue (Lee 117)
43	Lighter blue (Lee 353)
45	Light blue (Lee 118)
47	Medium blue green (Lee 116)
49	Dark green (Lee 124)
51	Primary green (Lee 139)
53	Moss green (Lee 089)
55	Fern green (Lee 122)
57	Jas green (Lee 738)
59	Lime green (Lee 088)
61	Spring yellow (Lee 100)
63	Deep amber (Lee 104)
65	Chrome orange (Lee 179)
67	Orange (Lee 105)
69	Gold amber (Lee 021)
71	Millennium gold (Lee 778)
73	Deep golden amber (Lee 135)
75	Flame red (Lee 164)
77	Red magenta
79	Medium lavender
81	Pure white
83	Pure red
85	Pure yellow
87	Pure green
89	Pure cyan
91	Pure blue
93	Pure magenta
95	Peacock blue (LEE 115)
97	Dark lavender (LEE 180)
99	Double CT orange (LEE 287)
101	Full CT orange (LEE 204)
103	Half CT orange (LEE 205)
105	Deep Straw (LEE 015)
107-190	No function
	Continuous rotation
191 -214	CW, fast → slow
215 -219	Stop
220 -243	CCW slow → fast
	Random colors
244 -247	Fast
248 -251	Medium

	252 -255	Slow
36		No function

57Channel

57CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	CTC
11		NO function
12		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)

	43	Lighter blue (Lee 353)
	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)
	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
13	0-255	Zoom

14	0-255	Zoom fine
15	0-255	pan
16	0-255	Pan fine
17	0-255	tilt
18	0-255	Tilt fine
19		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
20		LED frequency
	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function

	128	16KHz LED frequency (default)
	129-254	No function
	255	64KHz LED frequency
21		NO function
22		Main LED effect selection
23		Main LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
24		Backlight LED effect selection
25		Backlight LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
26		NO function
27		Backlight LED strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
28	0-255	dimmer
29	0-255	Dimmer fine
30	0-255	Red
31	0-255	Green
32	0-255	blue
33	0-255	CTC
34	0-255	NO function
35		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)

37	Full CT blue (Lee 201)
39	Half CT blue (Lee 202)
41	Steel blue (Lee 117)
43	Lighter blue (Lee 353)
45	Light blue (Lee 118)
47	Medium blue green (Lee 116)
49	Dark green (Lee 124)
51	Primary green (Lee 139)
53	Moss green (Lee 089)
55	Fern green (Lee 122)
57	Jas green (Lee 738)
59	Lime green (Lee 088)
61	Spring yellow (Lee 100)
63	Deep amber (Lee 104)
65	Chrome orange (Lee 179)
67	Orange (Lee 105)
69	Gold amber (Lee 021)
71	Millennium gold (Lee 778)
73	Deep golden amber (Lee 135)
75	Flame red (Lee 164)
77	Red magenta
79	Medium lavender
81	Pure white
83	Pure red
85	Pure yellow
87	Pure green
89	Pure cyan
91	Pure blue
93	Pure magenta
95	Peacock blue (LEE 115)
97	Dark lavender (LEE 180)
99	Double CT orange (LEE 287)
101	Full CT orange (LEE 204)
103	Half CT orange (LEE 205)
105	Deep Straw (LEE 015)
107-190	No function
	Continuous rotation
191 -214	CW, fast → slow
215 -219	Stop
220 -243	CCW slow → fast
	Random colors
244 -247	Fast
248 -251	Medium

	252 -255	Slow
36		No function
37	0-255	Pixel 1 Red
38	0-255	Pixel 1 green
39	0-255	Pixel 1 blue
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
55	0-255	Pixel 7 Red
56	0-255	Pixel 7 green
57	0-255	Pixel 7 blue

66Channel

66CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	white
11	0-255	White fine
12	0-255	CTC
13		NO function
14		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)

21	Surprise pink (Lee 194)
23	Congo blue (Lee 181)
25	Tokyo blue (Lee 071)
27	Deep blue (Lee 120)
29	Just blue (Lee 079)
31	Medium blue (Lee 132)
33	Double CT blue (Lee 200)
35	Slate blue (Lee 161)
37	Full CT blue (Lee 201)
39	Half CT blue (Lee 202)
41	Steel blue (Lee 117)
43	Lighter blue (Lee 353)
45	Light blue (Lee 118)
47	Medium blue green (Lee 116)
49	Dark green (Lee 124)
51	Primary green (Lee 139)
53	Moss green (Lee 089)
55	Fern green (Lee 122)
57	Jas green (Lee 738)
59	Lime green (Lee 088)
61	Spring yellow (Lee 100)
63	Deep amber (Lee 104)
65	Chrome orange (Lee 179)
67	Orange (Lee 105)
69	Gold amber (Lee 021)
71	Millennium gold (Lee 778)
73	Deep golden amber (Lee 135)
75	Flame red (Lee 164)
77	Red magenta
79	Medium lavender
81	Pure white
83	Pure red
85	Pure yellow
87	Pure green
89	Pure cyan
91	Pure blue
93	Pure magenta
95	Peacock blue (LEE 115)
97	Dark lavender (LEE 180)
99	Double CT orange (LEE 287)
101	Full CT orange (LEE 204)
103	Half CT orange (LEE 205)
105	Deep Straw (LEE 015)

	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
15	0-255	Zoom
16	0-255	Zoom fine
17	0-255	pan
18	0-255	Pan fine
19	0-255	tilt
20	0-255	Tilt fine
21		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
22		LED frequency

	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function
	128	16KHz LED frequency (default)
	129-254	No function
	255	63KHz LED frequency
23		NO function
24		Main LED effect selection
25		Main LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
26		Backlight LED effect selection
27		Backlight LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
28		NO function
29		Backlight LED strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
30	0-255	dimmer
31	0-255	Dimmer fine
32	0-255	Red
33	0-255	Green
34	0-255	blue
35	0-255	CTC
36	0-255	NO function
37		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)

15	Special rose pink (Lee 332)
17	Follies pink (Lee 328)
19	Fuchsia pink (Lee 345)
21	Surprise pink (Lee 194)
23	Congo blue (Lee 181)
25	Tokyo blue (Lee 071)
27	Deep blue (Lee 120)
29	Just blue (Lee 079)
31	Medium blue (Lee 132)
33	Double CT blue (Lee 200)
35	Slate blue (Lee 161)
37	Full CT blue (Lee 201)
39	Half CT blue (Lee 202)
41	Steel blue (Lee 117)
43	Lighter blue (Lee 353)
45	Light blue (Lee 118)
47	Medium blue green (Lee 116)
49	Dark green (Lee 124)
51	Primary green (Lee 139)
53	Moss green (Lee 089)
55	Fern green (Lee 122)
57	Jas green (Lee 738)
59	Lime green (Lee 088)
61	Spring yellow (Lee 100)
63	Deep amber (Lee 104)
65	Chrome orange (Lee 179)
67	Orange (Lee 105)
69	Gold amber (Lee 021)
71	Millennium gold (Lee 778)
73	Deep golden amber (Lee 135)
75	Flame red (Lee 164)
77	Red magenta
79	Medium lavender
81	Pure white
83	Pure red
85	Pure yellow
87	Pure green
89	Pure cyan
91	Pure blue
93	Pure magenta
95	Peacock blue (LEE 115)
97	Dark lavender (LEE 180)
99	Double CT orange (LEE 287)

	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
38		No function
39	0-255	Pixel 1 Red
40	0-255	Pixel 1 green
41	0-255	Pixel 1 blue
42	0-255	Pixel 1 white
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
63	0-255	Pixel 7 Red
64	0-255	Pixel 7 green
65	0-255	Pixel 7 blue
66	0-255	Pixel 7 white

93Channel

93CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	CTC
11		NO function
12		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)
	43	Lighter blue (Lee 353)
	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)

	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
13	0-255	Zoom
14	0-255	Zoom fine
15	0-255	pan
16	0-255	Pan fine

17	0-255	tilt
18	0-255	Tilt fine
19		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
20		LED frequency
	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	◦ ◦ ◦	◦ ◦ ◦
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function
	128	16KHz LED frequency (default)
	129-254	No function
	255	63KHz LED frequency

21		NO function
22		Main LED effect selection
23		Main LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
24		Backlight LED effect selection
25		Backlight LED Effect speed
	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
26		NO function
27		Backlight LED strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
28	0-255	dimmer
29	0-255	Dimmer fine
30	0-255	Red
31	0-255	Green
32	0-255	blue
33	0-255	CTC
34	0-255	NO function
35		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)

	43	Lighter blue (Lee 353)
	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)
	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
36		No function
37	0-255	Pixel 1 Red

38	0-255	Pixel 1 green
39	0-255	Pixel 1 blue
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
55	0-255	Pixel 7 Red
56	0-255	Pixel 7 green
57	0-255	Pixel 7 blue
58	0-255	Back light 1Red
59	0-255	Back light 1 green
60	0-255	Back light 1 blue
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
91	0-255	Back light 12 Red
92	0-255	Back light 12 green
93	0-255	Back light 12 blue

102Channel

102CH	DMX	Explanation
1		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
2	0-255	dimmer
3	0-255	Dimmer fine
4	0-255	Red
5	0-255	Red fine
6	0-255	Green
7	0-255	Green fine
8	0-255	Blue
9	0-255	Blue fine
10	0-255	white
11	0-255	White fine
12	0-255	CTC
13		NO function
14		Color macro
	0 -10	Open
	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)
	39	Half CT blue (Lee 202)
	41	Steel blue (Lee 117)
	43	Lighter blue (Lee 353)

	45	Light blue (Lee 118)
	47	Medium blue green (Lee 116)
	49	Dark green (Lee 124)
	51	Primary green (Lee 139)
	53	Moss green (Lee 089)
	55	Fern green (Lee 122)
	57	Jas green (Lee 738)
	59	Lime green (Lee 088)
	61	Spring yellow (Lee 100)
	63	Deep amber (Lee 104)
	65	Chrome orange (Lee 179)
	67	Orange (Lee 105)
	69	Gold amber (Lee 021)
	71	Millennium gold (Lee 778)
	73	Deep golden amber (Lee 135)
	75	Flame red (Lee 164)
	77	Red magenta
	79	Medium lavender
	81	Pure white
	83	Pure red
	85	Pure yellow
	87	Pure green
	89	Pure cyan
	91	Pure blue
	93	Pure magenta
	95	Peacock blue (LEE 115)
	97	Dark lavender (LEE 180)
	99	Double CT orange (LEE 287)
	101	Full CT orange (LEE 204)
	103	Half CT orange (LEE 205)
	105	Deep Straw (LEE 015)
	107-190	No function
		Continuous rotation
	191 -214	CW, fast → slow
	215 -219	Stop
	220 -243	CCW slow → fast
		Random colors
	244 -247	Fast
	248 -251	Medium
	252 -255	Slow
15	0-255	Zoom
16	0-255	Zoom fine

17	0-255	pan
18	0-255	Pan fine
19	0-255	tilt
20	0-255	Tilt fine
21		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam
	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function
22		LED frequency
	0-9	No function
	10	1KHz LED frequency
	11	2KHz LED frequency
	12	3KHz LED frequency
	○ ○ ○	○ ○ ○
	○ ○ ○	○ ○ ○
	○ ○ ○	○ ○ ○
	70	61KHz LED frequency
	71	62KHz LED frequency
	72	63KHz LED frequency
	73-127	No function
	128	16KHz LED frequency (default)

	129-254	No function
	255	63KHz LED frequency
23		NO function
24		Main LED effect selection
		Main LED Effect speed
25	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
26		Backlight LED effect selection
		Backlight LED Effect speed
27	0 - 126	Effect reversed fast → slow
	127- 129	Effect stops
	13 - 255	Effect forward slow → fast
28		NO function
29		Backlight LED strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
30	0-255	dimmer
31	0-255	Dimmer fine
32	0-255	Red
33	0-255	Green
34	0-255	blue
35	0-255	CTC
36	0-255	NO function
		Color macro
	0 -10	Open
37	11	Moroccan pink (Lee 790)
	13	Pink (Lee 157)
	15	Special rose pink (Lee 332)
	17	Follies pink (Lee 328)
	19	Fuchsia pink (Lee 345)
	21	Surprise pink (Lee 194)
	23	Congo blue (Lee 181)
	25	Tokyo blue (Lee 071)
	27	Deep blue (Lee 120)
	29	Just blue (Lee 079)
	31	Medium blue (Lee 132)
	33	Double CT blue (Lee 200)
	35	Slate blue (Lee 161)
	37	Full CT blue (Lee 201)

39	Half CT blue (Lee 202)
41	Steel blue (Lee 117)
43	Lighter blue (Lee 353)
45	Light blue (Lee 118)
47	Medium blue green (Lee 116)
49	Dark green (Lee 124)
51	Primary green (Lee 139)
53	Moss green (Lee 089)
55	Fern green (Lee 122)
57	Jas green (Lee 738)
59	Lime green (Lee 088)
61	Spring yellow (Lee 100)
63	Deep amber (Lee 104)
65	Chrome orange (Lee 179)
67	Orange (Lee 105)
69	Gold amber (Lee 021)
71	Millennium gold (Lee 778)
73	Deep golden amber (Lee 135)
75	Flame red (Lee 164)
77	Red magenta
79	Medium lavender
81	Pure white
83	Pure red
85	Pure yellow
87	Pure green
89	Pure cyan
91	Pure blue
93	Pure magenta
95	Peacock blue (LEE 115)
97	Dark lavender (LEE 180)
99	Double CT orange (LEE 287)
101	Full CT orange (LEE 204)
103	Half CT orange (LEE 205)
105	Deep Straw (LEE 015)
107-190	No function
	Continuous rotation
191 -214	CW, fast → slow
215 -219	Stop
220 -243	CCW slow → fast
	Random colors
244 -247	Fast
248 -251	Medium
252 -255	Slow

38		No function
39	0-255	Pixel 1 Red
40	0-255	Pixel 1 green
41	0-255	Pixel 1 blue
42	0-255	Pixel 1 white
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
63	0-255	Pixel 7 Red
64	0-255	Pixel 7 green
65	0-255	Pixel 7 blue
66	0-255	Pixel 7 white
67	0-255	Back light 1Red
68	0-255	Back light 1 green
69	0-255	Back light 1 blue
° °	0-255	° ° °
° °	0-255	° ° °
° °	0-255	° ° °
100	0-255	Back light 12Red
101	0-255	Back light 12 green
102	0-255	Back light 12 blue

214Channel

102CH	DMX	Explanation
1	0-255	X
2	0-255	Y
3	0-255	ZOOM
4		Strobe
	0 - 19	closed
	20 - 49	open
	50 - 200	Strobe, slow from fast
	201- 210	Shutter open
	211- 255	Random strobe, slow from fast
5	0-255	dimmer
6	0-255	Red 1
7	0-255	Green 1
8	0-255	Blue 1
9	0-255	White 1
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
30	0-255	Red 7
31	0-255	Green 7
32	0-255	Blue 7
33	0-255	White 7
34	0-255	Back light Red 1
35	0-255	Back light Green 1
36	0-255	Back light Blue 1
37	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	◦ ◦ ◦
◦ ◦	0-255	
211	0-255	Back light Red 60
212	0-255	Back light Green 60
213	0-255	Back light Blue 60
214		function
	0-9	No function
	10 - 14	Reset all
	15 - 16	No function
	17	Reset beam

	18	Reset XY
	19 - 22	No function
	23	Linear dimming curve
	24	Square law dimming curve
	25	Inverse square law dimming curve
	26	S-curve dimming curve
	27-51	No function
	52	Screen Lock: YES
	53	Screen Lock: NO
	54	Auto fan speed
	55	Full fan speed
	56	Medium fan speed
	57	Low fan speed
	58	Ultra-low fan speed
	59-60	No function
	61	Dimmer speed:fast
	62	Dimmer speed:slow
	63-64	No function
	65	Signal clear
	66	Signal keep
	67-255	No function

10.Trouble shooting

Following are a few common problems that may occur during operation.

Here are some suggestions for easy troubleshooting:

The unit does not work, no light and the fan does not work

Check the connection of power and main fuse.

Measure the mains voltage on the main connector.

Check the power on LED.

Not responding to DMX controller

DMX LED should be on. If not, check DMX connectors, cables to see if link properly.

If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.

If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.

Try to use another DMX controller.

Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

One of the channels is not working well

The stepper motor might be damaged or the cable connected to the PCB is broken.