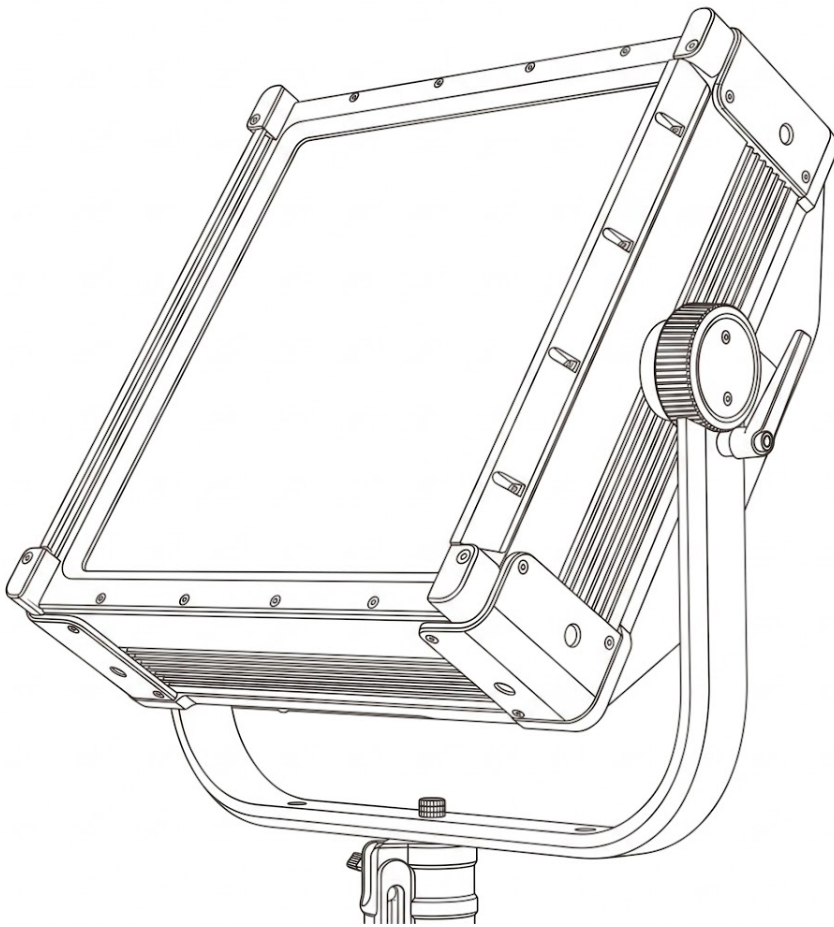


PANEL650FCIP

Studio LED Soft Panel IP65



USER MANUAL

- Be sure to read the USER MANUAL carefully before using this product.
- Be sure to keep the USER MANUAL properly for future needs.
- Use this product correctly when you can fully understand the User Manual

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1, Before you work



WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

1.1 Packing instructions :

1.2 When you get this product, please take it from carton carefully to make sure whether all the accessories are in and damaged or not. When you find that there are any parts or wrong sign with the carton, or non-operation, please inform us and to keep the carton and shipping bill completely.

1.3 AC Power:

1.4 Please check the manual before you operate the light. The rating current of the light listed which shows the average current-consume under the normal circumstances.

All the lights must be offered shoot-through circuit, it could not be connected dimmer circuit, although the dimmer channels are completely for 1-100% switch.

Before the light's working, please confirm the correct voltage.

1.5 Safety instruction:

1.6 Please confirm the same voltage to the light.

Please confirm there is no flammable material around the light.

The light must be set up the ventilating place. The distance is $\geq 51\text{cm}$ around approach material. To check the air passage is ok at any time.

The Maximum temperature is $\leq 40^{\circ}\text{C}$ (104°F).

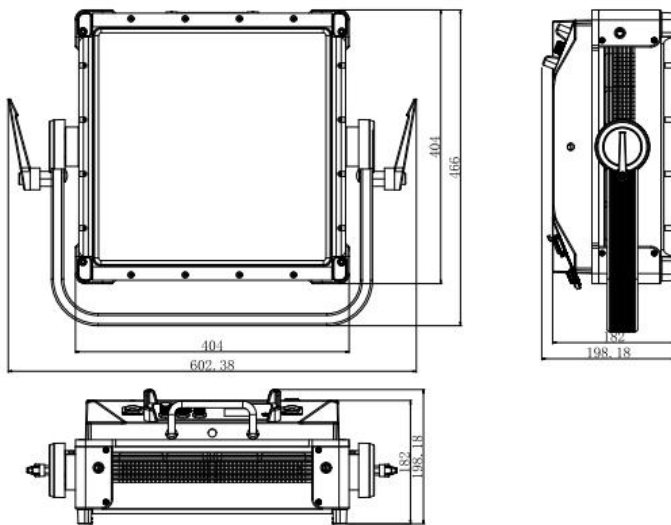
When the lights has problems, please stop to use to contact the supplier. Don't repair it by yourself! Don't connect by a dimmer.

To confirm the power wire is straight and non-damaged. Don't pull it directly.

Don't look at the bulb when the light is working to avoid any hurt.

2, specification

Input voltage	AC100-240V, 50-60HZ
led source	RGBCW WW
Power consumption	650W Maximum
CCT (correlated color temperature)	2700-10000K +-100k
Colored Light	Full RGB+W Color Gamut with Hue and Saturation Control
Green-Magenta Adjustment	Continuously adjustable (Full Minus- to Full Plus green)
Color rendering	Average CRI>97
	average TLCI >98
beam angle	110°
Control mode	DMX512, RDM, CRMX(optional)
light mode	CCT, HSI, GEL, RGBCW, XY
Dimming mode	8 bit and 16bit
Dimming curve	4 kinds
PWM	24KHz
Power connector	Powercon in
DMX connector	5pin in/out, RJ45
5VDC input	USB
N.W	16.3kg
Mounting	28 mm Spigot (Junior Pin)
Special effect:	Candle, cloud passing, club, color chase, cop car, fire, fireworks, strobe, lightning, paparazzi, pulsing, television
IP rate	IP65
Dimension	602.38*198.18*466mm



3, Accessories

Standard accessories:

1, POWERCON power cord x 1pcs

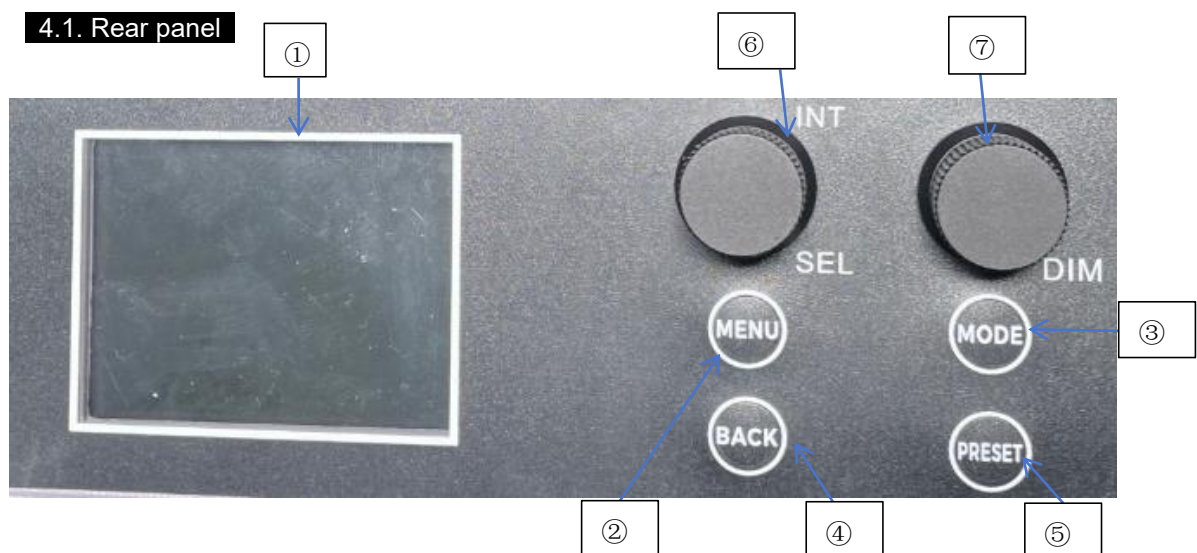
2, 5pin DMX cord x 1pcs

Barndoor (optional)

Soft box (optional)

4, How to set up the unit

4.1. Rear panel



1.①LCD display.

2.②**MENU**,press to open the fixture menu, use the encoder ⑥ to scroll through the menu, open sub menus and set parameters.

3.③**MODE**, fast selection to the CCT, HSI, GEL, XY, RGBCW mode.

4.④**BACK**:cancel/return to last page. Comparing to the MENU button, BACK only can close

the sub menu, it can't close the main menu.

5.⑤**PRESET**, only the CIE (XY coordinate) function can be available for preset.

to call up a light present. A short press of the PRESET button brings up the list of all available presets.

To store a light preset. Use the fixture menu to adjust the setting, hold PRESET, until the preset save dialog open.

6、Encoder⑥ **INT/SEL**, the encoder has two functions,

(1) fixture menu closed. Setting the intensity.

(2) fixture menu open. Use the encoder knob to clockwise / counterclockwise to select function, open sub menus and set parameters. Press the knob to confirm settings.

7、⑦**DIMMER**: clockwise / counterclockwise to change brightness.

4.2. Main function

Turn the MENU knob enter to menu model, clockwise / counterclockwise to select function, press ENTER knob to confirm, same operation for the secondary menu. If you want to return to the last page, press BACK button.

Main menu	Sub menu	tertiary menu	Description
CCT	Bri	0%-100%	
	CCT range	2700K-10000K	
	G/M	-1.100% green to +1.00% green	Green-Magenta point
HSI	HUE	0-360°	
	Sat	0-100%	
	Bri	0-100%	
GEL	CCT	3200K, 5600K	
	No.	1-219	Color number
	Bri	0-100%	
CIE	Bri	0-100%	
	X	0.0000-0.8000	X coordinate
	Y	0.0000-0.8000	Y coordinate
Light Effects	RGBCW	R, G, B, CW, WW	0-255
	Effects	candle	
		Cloud passing	
		Club	
		Color chase	
		Cop car	
		Fire	
		Fireworks	
		Strobe	
		Lightning	
		Pararazzi	
		Pulsing	

	Dimmer Curve	Television	
		Linearity Curve	
		Exponent Curve	
		S Curve	
		Logistic Curve	
DMX Addr	Addr: 1-255		
DMX Mode	Control mode	CCT&RGBCW 8bit	11CH
		CCT&RGBCW 16bit	20CH
		CCT&HSI 8bit	8CH
		CCT&HSI 16bit	14CH
		CCT 8bit	5CH
		CCT 16bit	8CH
		HSI 8bit	5CH
		HSI 16bit	8CH
		RGBCW 8bit	8CH
		RGBCW 16bit	14CH
		XY 8bit	5CH
		XY 16bit	8CH
		RGBCW 8bit	12CH
	Remote mode	Open / close	
	Dimmer Curve	Linearity Curve	
		Exponent Curve	
		S Curve	
		Logistic Curve	
	Control set	DMX512	
		LUMENRADIO	
System Parameter	Factory Reset		
	Fan Set	Auto	
		High Speed	
		Low Speed	
		Close	
	Version Info	Soft Ver: 1.0.1 Hard Ver:1.0.0	
	System Set	Bri	On/Off
		Lang	English/Chinese
		Rotate	0°, 180°

5. DMX512 configuration

Lights can be controlled via DMX. Starting at a base channel.

Each DMX mode can operate in 8-bit or 16-bit resolution.

Note that some charts may extend onto multiple pages.

8 bit resolution	16 bit resolution
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1 channel per function	2 channels per function
------------------------	-------------------------

1. CCT & RGBCW 8bit (11CH)

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-255	0-100	CCT (2700K-10000K)
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
4	0-255	0-100	Crossfade to Color From white to RGBW
5	0-255	0-100	red
6	0-255	0-100	green
7	0-255	0-100	blue
8	0-255	0-100	Cool white
9	0-255	0-100	Warm white
10	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
11	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

2. CCT & RGBCW 16bit (20CH)

CH	value	%	function
1-2	0-65535	0-100	Dimmer (0%-100%)
3-4	0-65535	0-100	CCT(2700K-10000K)

5-6	0-4587 4588-9830 9831-30146 30347-39976 39977-60292 60293-65535	0-4 5-8 9-47 48-57 58-96 97-100	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
7-8	0-65535	0-100	Crossfade to Color From white to RGBW
9-10	0-65535	0-100	red
11-12	0-65535	0-100	green
13-14	0-65535	0-100	Blue
15-16	0-65535	0-100	Cool white
17-18	0-65535	0-100	Warm white
19	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
20	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

3. CCT & HSI 8bit (8CH)

CH	value	%	function
1	0-255	0-100	Dimmer(0%-100%)
2	0-255	0-100	CCT (2700K-10000K)
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
4	0-255	0-100	Crossfade to Color From white to RGBW
5	0-255	0-100	HUE(0-360°)

6	0-255	0-100	saturation(0-100%)
7	0-9	0-3	Fan control
	10-57	4-22	Use fan mode setting of fixture menu
	58-105	23-41	Low speed
	106-153	42-60	Low-medium speed
	154-201	61-78	Medium speed
	202-249	79-97	Medium-high speed
	251-255	99-100	Fan at full speed
8	0-19	0-7	Fan off
	20-255	8-100	Light strobe
			No effect
			1 flash/s - 25 flashes/s

4. CCT & HSI 16bit (14CH)

CH	value	%	function
1-2	0-65535	0-100	Dimmer (0%-100%)
3-4	0-65535	0-100	CCT(2700K-10000K)
5-6	0-4587	0-4	Green-Magenta point
	4588-9830	5-8	Neutral/No effect
	9831-30146	9-47	-100 green
	30347-39976	48-57	-99 - -1 green
	39977-60292	58-96	No effect
	60293-65535	97-100	+1 - +99 green
			+100 green
7-8	0-65535	0-100	Crossfade to Color
9-10	0-65535	0-100	From white to RGBW
11-12	0-65535	0-100	HUE(0-360°)
13	0-255	0-100	saturation(0-100%)
13	0-9	0-3	Fan control
	10-57	4-22	Use fan mode setting of fixture menu
	58-105	23-41	Low speed
	106-153	42-60	Low-medium speed
	154-201	61-78	Medium speed
	202-249	79-97	Medium-high speed
	251-255	99-100	Fan at full speed
14	0-19	0-7	Fan off
	20-255	8-100	Light strobe
			No effect
			1 flash/s - 25 flashes/s

5. CCT 8bit (5CH)

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-255	0-100	CCT (2700K-10000K)
3	0-10 11-20 21-119 120-145 146-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
4	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
5	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

6. CCT 16bit (8CH)

CH	value	%	function
1-2	0-65535	0-100	Dimmer (0%-100%)
3-4	0-65535	0-100	CCT (2700K-10000K)
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
7	0-9 10-57 58-105 106-153 154-201	0-3 4-22 23-41 42-60 61-78	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed

	202-249 251-255	79-97 99-100	Fan at full speed Fan off
8	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

7. HSI 8bit (5CH)

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-255	0-100	HUE(0-360°)
3	0-255	0-100	saturation(0-100%)
4	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
5	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

8.HSI 16bit (8CH)

CH	value	%	function
1-2	0-65535	0-100	Dimmer (0%-100%)
3-4	0-65535	0-100	HUE(0-360°)
5-6	0-65535	0-100	Saturation(0-100%)
7	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off

8	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s
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9.RGBCW 8bit (8CH)

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-255	0-100	red
3	0-255	0-100	green
4	0-255	0-100	blue
5	0-255	0-100	Cool white
6	0-255	0-100	Warm white
7	0-9	0-3	Fan control Use fan mode setting of fixture menu
	10-57	4-22	Low speed
	58-105	23-41	Low-medium speed
	106-153	42-60	Medium speed
	154-201	61-78	Medium-high speed
	202-249	79-97	Fan at full speed
	251-255	99-100	Fan off
8	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

10.RGBW 16bit (14CH)

CH	value	%	function
1-2	0-65535	0-100	Dimmer (0%-100%)
3-4	0-65535	0-100	red
5-6	0-65535	0-100	green
7-8	0-65535	0-100	blue
9-10	0-65535	0-100	Cool white
11-12	0-65535	0-100	Warm white
13	0-9	0-3	Fan control Use fan mode setting of fixture menu
	10-57	4-22	Low speed
	58-105	23-41	Low-medium speed
	106-153	42-60	Medium speed
	154-201	61-78	Medium-high speed
	202-249	79-97	Fan at full speed
	251-255	99-100	Fan off

14	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s
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11.XY 8bit (5CH)

CH	value	%	function
1	0-255	0-100	Master intensity 0% (closed)-100%(open)
2	0-255	0-100	X coordinate
3	0-255	0-100	Y coordinate
4	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
5	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

12.XY 16bit (8CH)

CH	value	%	function
1-2	0-65535	0-100	Master intensity 0% (closed)-100%(open)
3-4	0-65535	0-100	X coordinate
5-6	0-65535	0-100	Y coordinate
7	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
8	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

13.RGBCW 8bit 12CH

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-255	0-100	Red1
3	0-255	0-100	Green1
4	0-255	0-100	Blue1
5	0-255	0-100	Cool white1
6	0-255	0-100	Warm white1
7	0-255	0-100	Red2
8	0-255	0-100	Green2
9	0-255	0-100	Blue2
10	0-255	0-100	Cool white2
11	0-255	0-100	Warm white2
12	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off

6.ULTIMATE DMX :

1.ULTIMATE DMX 8bit - CCT MODE 6CH

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-31 32-63 64-95 96-127 128-159 160-191 192-255	0-12 13-24 25-37 38-50 51-62 63-75 76-100	Control mode CCT mode HSI mode RGBW mode XY coordinate mode GEL mode Special effect mode Reserved for future use
3	0-255	0-100	CCT(2700K-10000K)

4	0-10	0-4	Green-Magenta point
	11-20	5-8	Neutral/No effect
	21-119	9-47	-100 green
	120-145	48-57	-99 - -1 green
	146-244	58-96	No effect
	245-255	97-100	+1 - +99 green +100 green
5	0-9	0-3	Fan control
	10-57	4-22	Use fan mode setting of fixture menu
	58-105	23-41	Low speed
	106-153	42-60	Low-medium speed
	154-201	61-78	Medium speed
	202-249	79-97	Medium-high speed
	251-255	99-100	Fan at full speed Fan off
6	0-19	0-7	Light strobe
	20-255	8-100	No effect
			1 flash/s - 25 flashes/s

2. ULTIMATE DMX 8bit - HSI MODE 6CH

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-31	0-12	Control mode
	32-63	13-24	CCT mode
	64-95	25-37	HSI mode
	96-127	38-50	RGBW mode
	128-159	51-62	XY coordinate mode
	160-191	63-75	GEL mode
	192-255	76-100	Special effect mode Reserved for future use
3	0-255	0-100	HUE(0-360°)
4	0-255	0-100	Saturation(0-100%)
5	0-9	0-3	Fan control
	10-57	4-22	Use fan mode setting of fixture menu
	58-105	23-41	Low speed
	106-153	42-60	Low-medium speed
	154-201	61-78	Medium speed
	202-249	79-97	Medium-high speed
	251-255	99-100	Fan at full speed Fan off

6	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s
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3. ULTIMATE DMX 8bit - RGBW MODE

CH	value	%	function
1	0-255	0-100	Dimmer (0%-100%)
2	0-31 32-63 64-95 96-127 128-159 160-191 192-255	0-12 13-24 25-37 38-50 51-62 63-75 76-100	Control mode CCT mode HSI mode RGBW mode XY coordinate mode GEL mode Special effect mode Reserved for future use
3	0-255	0-100	red
4	0-255	0-100	green
5	0-255	0-100	blue
6	0-255	0-100	white
7	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
8	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

4. ULTIMATE DMX 8bit - XY MODE 6CH

CH	value	%	function
1	0-255	0-100	Master intensity 0% (closed)-100%(open)
2	0-31 32-63 64-95	0-12 13-24 25-37	Control mode CCT mode HSI mode RGBW mode

	96-127 128-159 160-191 192-255	38-50 51-62 63-75 76-100	XY coordinate mode GEL mode Special effect mode Reserved for future use
3	0-255	0-100	X coordinate
4	0-255	0-100	Y coordinate
5	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off
6	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

5. ULTIMATE DMX 8bit - GEL MODE 6CH

CH	value	%	function
1	0-255	0-100	Master intensity 0% (closed)-100%(open)
2	0-31 32-63 64-95 96-127 128-159 160-191 192-255	0-12 13-24 25-37 38-50 51-62 63-75 76-100	Control mode CCT mode HSI mode RGBW mode XY coordinate mode GEL mode Special effect mode Reserved for future use
3	0-127 128-255	0-50 51-100	GEL CCT selection 3200K 5600K
4	0-255	0-100	Gel number (check below Rosco color number chart)
5	0-9 10-57 58-105 106-153	0-3 4-22 23-41 42-60	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed

	154-201 202-249 251-255	61-78 79-97 99-100	Medium-high speed Fan at full speed Fan off
6	0-19 20-255	0-7 8-100	Light strobe No effect 1 flash/s - 25 flashes/s

Attachment: GEL color number chart:

value	%	Gel name
0-5	0-2	DOUBLE CTB
6-11	3-4	FULL CTB
12-17	5-7	1/2 CTB
18-23	8-9	1/4 CTB
24-29	10-11	1/8 CTB
30-35	12-14	DOUBLE CTO
36-41	15-16	FULL CTO
42-47	17-18	1/2 CTO
48-53	19-21	1/4 CTO
54-59	22-23	1/8 CTO
60-65	24-25	Blue 15
66-71	26-28	Blue 30
72-77	29-30	Blue 60
78-83	31-33	Blue 90
84-89	34-35	Cyan 07
90-95	36-37	Cyan 15
96-101	38-39	Cyan 30
102-107	40-42	Cyan 60
108-113	43-44	Cyan 90
114-119	45-46	Green 15
120-125	47-49	Green 30
126-131	50-51	Green 60
132-137	52-53	Green 90
138-143	54-56	Yellow 15
144-149	57-58	Yellow 30
150-155	59-60	Yellow 60
156-161	61-63	Yellow 90
162-167	64-65	Red 15
168-173	66-67	Red 30
174-179	68-69	Red 60
180-185	70-72	Red 90
186-191	73-74	Magenta 15

192-197	75-76	Magenta 30
198-203	77-79	Magenta 60
204-209	80-81	Magenta 90
210-215	82-84	Pink 15
216-221	85-86	Pink 30
222-227	87-88	Pink 60
228-233	89-91	Pink 90
234-239	92-93	Lavender 15
240-245	94-95	Lavender 30
246-251	96-98	Lavender 60
252-255	99-100	Lavender 90

6.ULTIMATE DMX 8bit - EFFECT MODE 9CH

CH	value	%	function
1	0-255	0-100	Master intensity 0% (closed)-100%(open)
2	0-31 32-63 64-95 96-127 128-159 160-191 192-255	0-12 13-24 25-37 38-50 51-62 63-75 76-100	Control mode CCT mode HSI mode RGBW mode XY coordinate mode GEL mode Special effect mode Reserved for future use
3	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-255	0-4 5-7 8-11 12-15 16-19 20-23 24-27 28-31 32-35 36-39 40-43 44-47 48-51 52-100	Effect selection No effect candle Cloud passing club Color chase Cop car fire fireworks strobe lightning paparazzi pulsing television Reserved for future use
4	0-255	0-100	Effect Parameter 1 (check below table)
5	0-255	0-100	Effect Parameter 2
6	0-255	0-100	Effect Parameter 3

7	0-255	0-100	Effect Parameter 4
8	0-255	0-100	Effect Parameter 5
9	0-9 10-57 58-105 106-153 154-201 202-249 251-255	0-3 4-22 23-41 42-60 61-78 79-97 99-100	Fan control Use fan mode setting of fixture menu Low speed Low-medium speed Medium speed Medium-high speed Fan at full speed Fan off

7, Special effects parameter:

candle:

CH	Effect Parameter	value	function
CH4	1	0-84 85-170 171-255	CCT range 2500K-2800K 2800K-3100K 3100K-3400K
CH5	2	0-255	speed
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

Cloud passing:

CH	Effect Parameter	value	function
CH4	1	0-255	speed
CH5	2	N/A	
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

Club lights:

CH	Effect Parameter	value	function
CH4	1	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	Color variety 3 colors 6 colors 9 colors 12 colors 15 colors 18 colors 21 colors 24 colors

CH5	2	0-255	speed
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

Color chase:

CH	Effect Parameter	value	function
CH4	1	0-255	Offset value Every 25 DMX values is a new offset
CH5	2	0-255	speed
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

Cop car:

CH	Effect Parameter	value	function
CH4	1	0-50 51-100 101-150 151-200 201-255	Color combinations blue red red&blue blue&white red&white
CH5	2	0-31 32-63 64-95 96-127 128-159 160-191	Flash pattern Single flash Double flash all flash three times flash three times Quad flash Cycle all
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

fire:

CH	Effect Parameter	value	function
CH4	1	0-84 85-170 171-255	CCT range 2500K-2600K 2600K-2700K 2700K-2800K
CH5	2	0-255	speed

CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

fireworks:

CH	Effect Parameter	value	function
CH4	1	0-31 32-63 64-95 96-127 128-159 160-191 192-223 224-255	Color variety 3 colors 6 colors 9 colors 12 colors 15 colors 18 colors 21 colors 24 colors
CH5	2	0-255	speed
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

strobe:

CH	Effect Parameter	value	function
CH4	1	0-255	speed
CH5	2	N/A	
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

lightning:

CH	Effect Parameter	value	function
CH4	1	0-255	CCT range (2700K-10000K)
CH5	2	0-10 11-20 21-119 120-145 146-244 245-255	Green-Magenta point Neutral/No effect -100 green -99 - -1 green No effect +1 - +99 green +100 green
CH6	3	0-255	speed
CH7	4	N/A	
CH8	5	N/A	

paparazzi:

CH	Effect Parameter	value	function
CH4	1	0-255	speed
CH5	2	0-127 128-255	Flash type Type 1 Type 2
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

pulsing:

CH	Effect Parameter	value	function	
CH4	1	0-127 128-255	mode CCT HSI	
CH5	2	0-255	CCT range (2700K-10000K)	HUE (0-360°)
CH6	3	0-255	Green-Magenta point 0-10, Neutral/No effect 11-20, -100 green 21-119, -99 - -1 green 120-145,Neutral/No effect 146-244, +1 - +99 green 245-255, +100 green	saturation (0-100)
CH7	4	0-255	speed	
CH8	5	N/A		

television:

CH	Effect Parameter	value	function
CH4	1	0-255	speed
CH5	2	N/A	
CH6	3	N/A	
CH7	4	N/A	
CH8	5	N/A	

8. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light output, fan no work

1. Check the connection of power.
2. Measure the mains voltage on the main connector.
3. Check the power indicator

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller

1. You may have a break in the DMX cabling.
2. Check the LED for the response of the master/ slave mode signal.