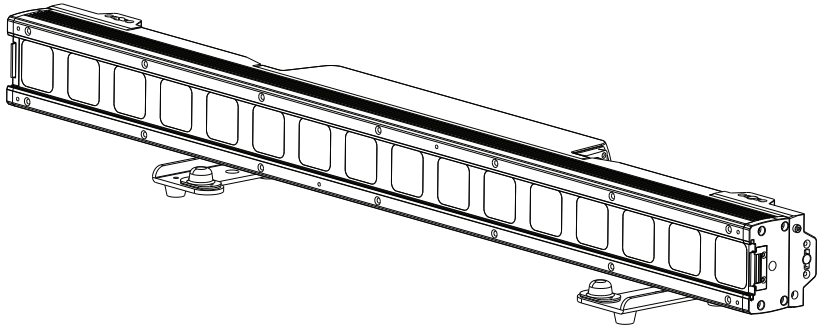
FLASHBAR 400

IP65 16X20W RGBL WASH, FX & PIXEL MAPPING BAR

CYCLOPS LIGHTING



USER MANUAL

PRODUCT DOCUMENTATION

DMX CHART

www.cyclopslighting.com

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Please read carefully before use

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

1. SAFETY INFORMATION

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. Keep in mind that this manual cannot address all possible dangers and environments. Please use your own caution when operating. This product is for professional use only. It is not for household use.



•Do not operate the unit in areas of high temperature conditions. It will cause abnormal function or damage the product.
•Always use a suitable safety wire when mounting the light overhead.
•Connect the safety wire only to the intended safety mount.
• Always follow local safety requirements.



•Only qualified personnel may repair this product.
•Do not open the product housing.
•Do not apply power if the light is damaged.



•Do not directly look into the light.
•It can cause harm to your eyes.
•Do not look at the LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.
•Please don't look at the light directly when the light's radiation temperature reach 40℃



•The exterior surfaces of the light can become hot, up to 55°C during normal operation.
•Ensure that accidental physical contact with the device is impossible.
• Install only in ventilated locations.
•Do not cover the light.



•Always charge with the flight case open.
• It is recommended to charge at a temperature between 15°C and 35°C



•Do not look directly at the light source.



•Don't throw the unit into the garbage at the end of its lifetime.
• Make sure to dispose is according to your local ordinances and/or regulations, to avoid polluting the environment!
•The packaging is recyclable and can be disposed.



2. TECHNICAL SPECIFICATIONS

Power
Input voltage & rate: 100-240V, 50/60Hz
Standby power: 11W
Nominal total power consumption(at nominal voltage 230V): 330W
Typical current (at nominal voltage 230V): 1.17A Cos φ 0,926
Power plug type: Seetronic PowerCon True one

Configuration
LED: 16pcs*20W,RGBW 4 in 1 LED
LED color temperature: 2700 K - 8000 K
LED CRI level: 75
Dimming frequency: 600/1200/2400/4800/9600/12000K/18000K
Dimmer resolution: 16bit

Optical
Beam angle: 12°
Photometric
Output @2M: 22000 lux
Output @5M: 5000lux

Heat management
Cooling type: Natural cooling
MAX. Ambient temp (Ta max): 45°C
MIN. Ambient temp (Ta min): -40°C
MAX housing temp.(ta=25°C): 50°C
MAX housing temp.(ta=40°C): 65°C

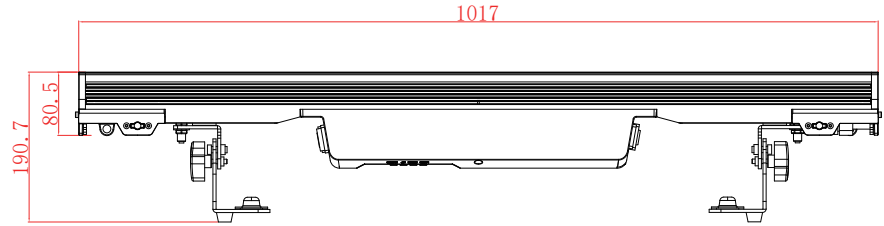
Control
Control protocol: USITT DMX512/1990
DMX channel range: 02 / 08 / 13 / 18 / 27 / 32 / 64 / 73 CH
RDM: yes
RDM compliance: ANSI/ESTA E.120
WDMX: optional
DMX input connection: Seetronic DMX 5P in & out

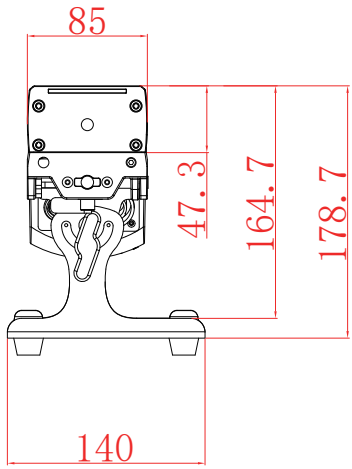
Hardware
Interface Backlite TFT display
Software upload method XLR

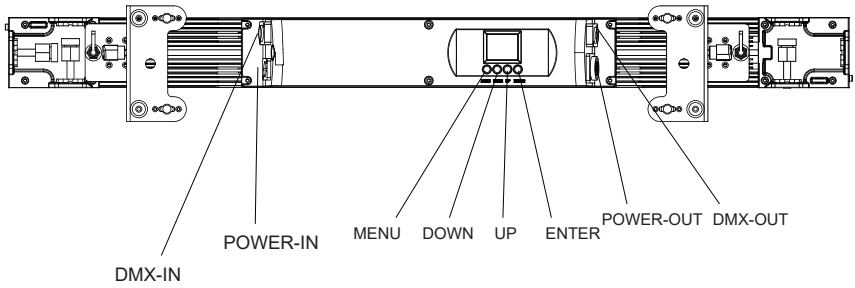
Installation
IP rating: IP65
Safety attachment point: yes

Physical
Net product weight: 9.15 kg
Machine dimensions - Length: 1017 mm
Machine dimensions - Width (fixture): 105 mm
Machine dimensions - Width (bracket): 140 mm
Machine dimensions - Height: 169 mm

3. DEVICE OVERVIEW



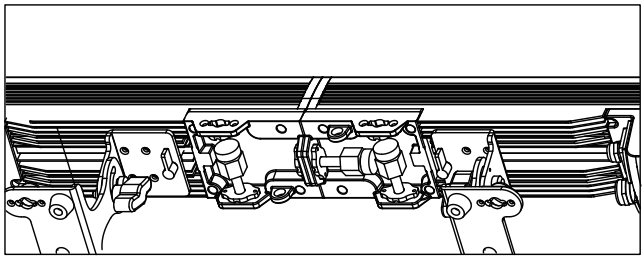




4. Installation

Step 1: Orienting the Display

(1)Make sure the display is facing you for easy operation and observation.



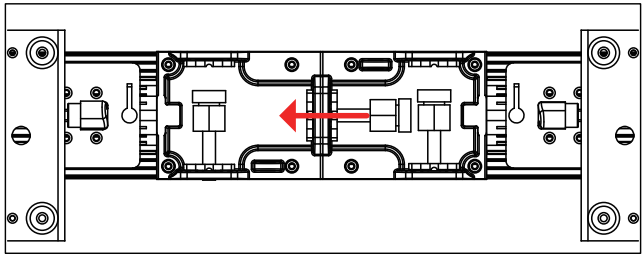
Step 2: Check the fixing block parts

(1) Each side is equipped with a fast lock retaining block on the end.

(2) On the right fast lock retaining block you will find two black fast locks with springs.

(3) On the left fast lock retaining block you will find one black fast lock with spring.

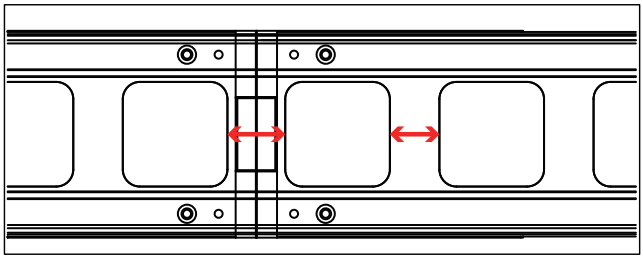
(4) There is one screw and one screw hole at the end of each side.



Step 3: Splice

1) Align them end to end so the holes on either end of the product line up with each other.

2) Firmly press the black fast lock and use the appropriate tool to turn the knob on the lock counterclockwise until it is fully secured.



Step 4: Check the splicing effect

1) Observe whether the spacing between the lenses is equal after splicing.

2) If the splicing is correct, the spacing error should be within 2mm.

5. CONTROL PANEL

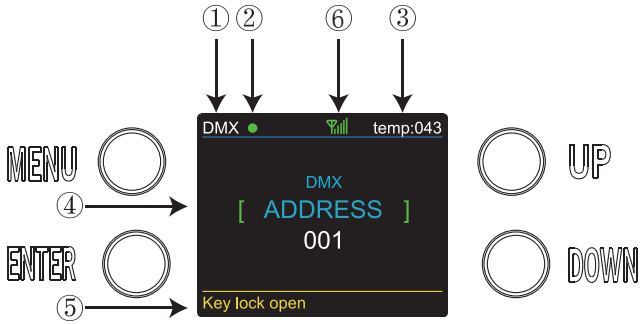
5.1. Control Display

MENU LCD Touch Screen

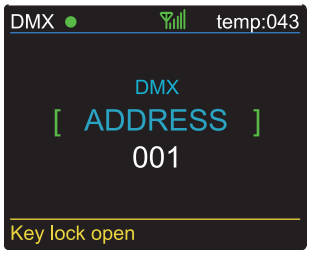
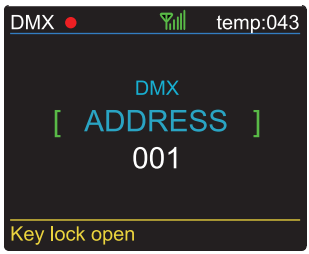
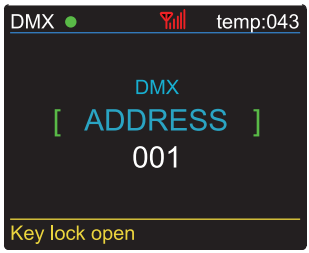
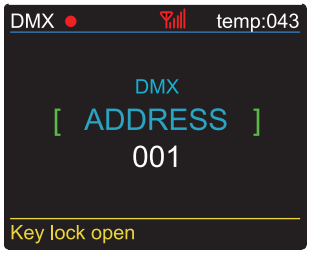
Press arrows to scroll up and down inside the menu and change values, such as DMX address

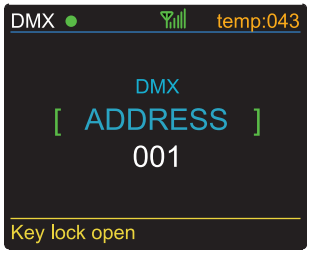
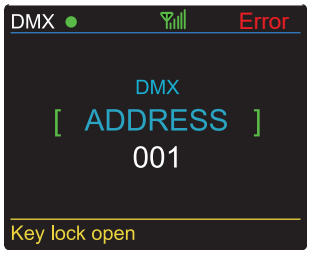
ENTER Press ENTER to access the selection menu for system settings or confirm changes

5.2.Displayer Introduction

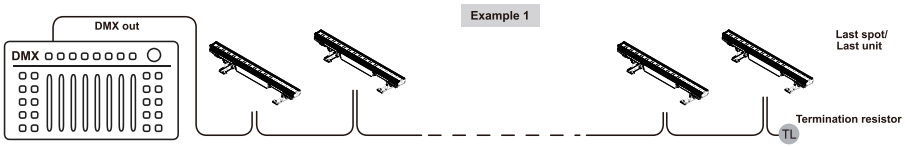


1. When you enter DMX Mode,it will be showed DMX,when you enter SLAVE Mode,it will be showed SLAVE.
2. This shows the condition of signal transmission. Green is connected.Red is disconnected.
3. This shows the temperature of the lights.
4. This shows the menus you can select.
5. This shows the condition of key lock. “Key lock open” means it is open and “Key lock off” means it is close.
6. This shows the condition of wireless signal. Green is connected.Red is disconnected.

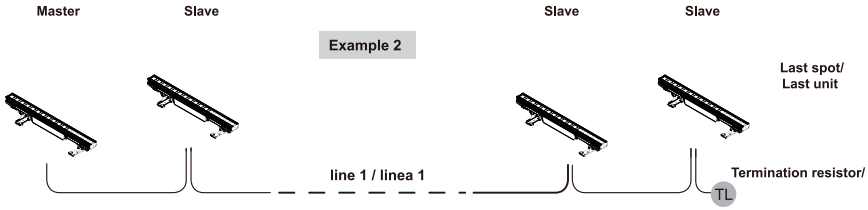
	While DMX and Wireless signal are green,it means DMX Mode and Wireless are connected.
	While DMX shows red but Wireless signal shows green,it means DMX Mode is disconnected and Wireless is connected.
	While DMX shows green but Wireless signal shows red,it means DMX Mode is connected and Wireless is disconnected.
	While DMX and Wireless are show red,it means DMX Mode and Wireless are disconnected.

	While the letters and number show change from white to yellow, it means the temperature beyond max temperature of default settings.
	While the letters and numbers show Error, it means they have some problems with temperature.

1.DMX connection



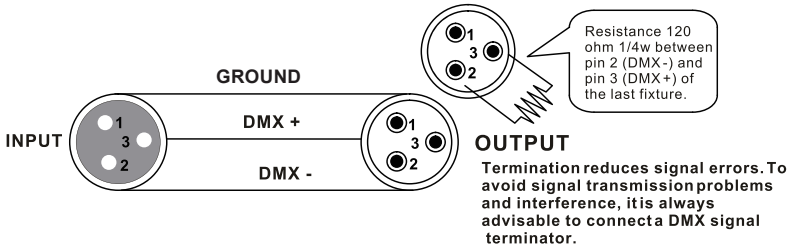
2.Master / Slave connection



3.CABLE CONNECTORS

Cabling must have a male XLR connector on one's end and a female XLR connector on the other's end.

DMX connector configuration



Caution:Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

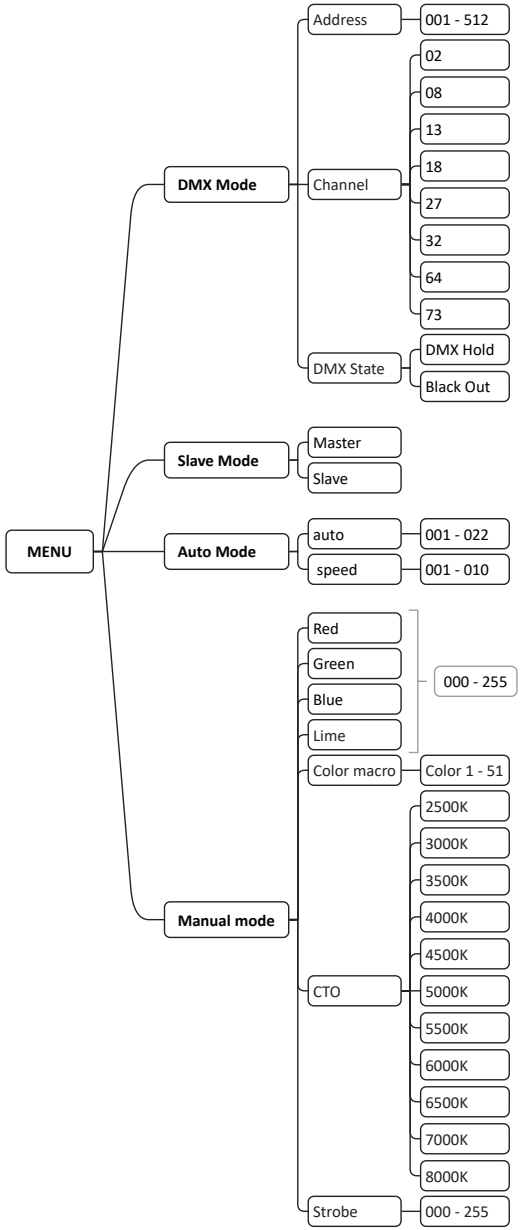
3-PIN TO 5-PIN CONVERSION CHART

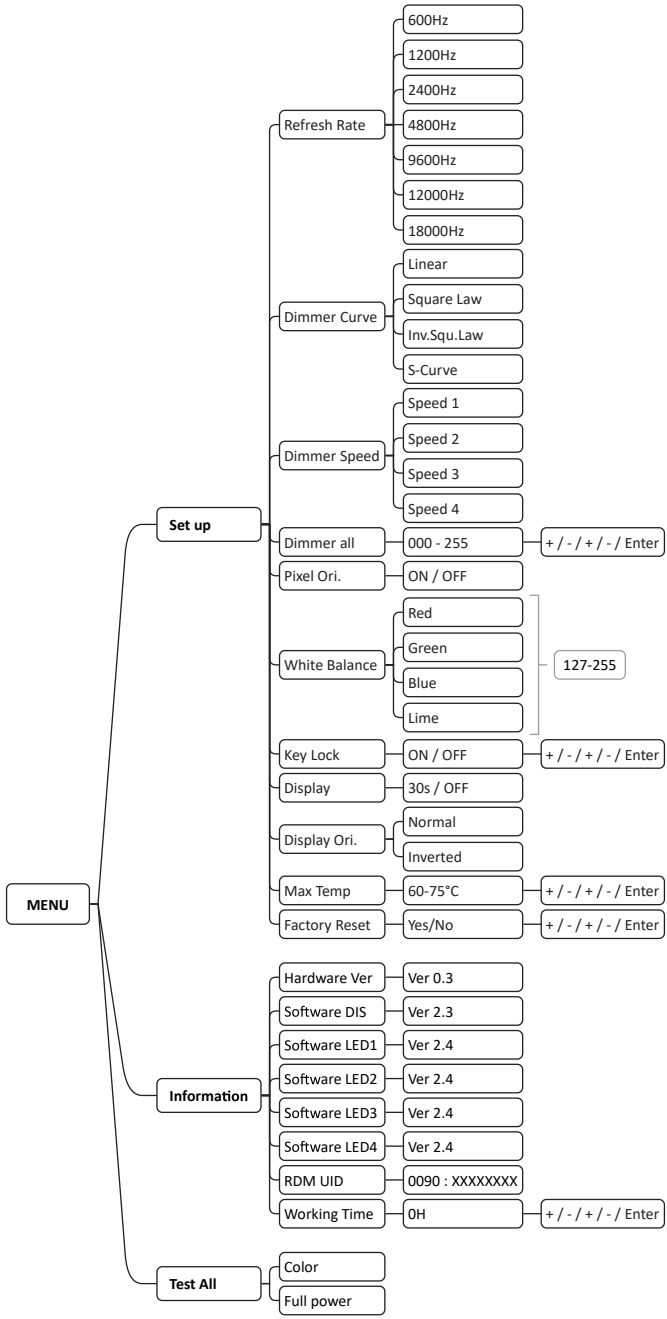
Please note if you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

PROGRAMME MENU




MENU
Set up
Refresh Rate
600Hz
1200Hz
2400Hz
4800Hz
9600Hz
12000Hz
18000Hz
Dimmer Curve
Linear
Square Law
Inv.Squ.Law
S-Curve
Dimmer Speed
Speed 1
Speed 2
Speed 3
Speed 4
Dimmer all
000 - 255
+ / - / + / - / Enter
Pixel Ori.
ON / OFF
White Balance
Red
Green
Blue
Lime
127-255
Key Lock
ON / OFF
+ / - / + / - / Enter
Display
30s / OFF
Display Ori.
Normal
Inverted
Max Temp
60-75°C
+ / - / + / - / Enter
Factory Reset
Yes/No
+ / - / + / - / Enter
Information
Hardware Ver
Ver 0.3
Software DIS
Ver 2.3
Software LED1
Ver 2.4
Software LED2
Ver 2.4
Software LED3
Ver 2.4
Software LED4
Ver 2.4
RDM UID
0090 : XXXXXXXX
Working Time
0H
+ / - / + / - / Enter
Test All
Color
Full power

DMX MODE-In this menu,you can connect several pieces of lights with DMX cable and control them with the control console.
Press "ENTER"and then press "UP"or "DOWN"to "Address"or "DMX Channel"and press“ENTER”.
1)"XXX"will be showed in "Address","XXX"means the Address 001-512.You can press "UP"or "DOWN"to select the address you desired.
2)"Channel [xx]"will be showed in "DMX Channels","XX"means 8 kinds of DMX Channels Modes.You can press "UP or "DOWN"to select the Channel Mode you desired.

SLAVE MODE-In this menu,you can choose one light as the MASTER light and other lights in SLAVE Mode will run follow the MASTER light.
1.Press“ENTER"and then press"UP"or“DOWN"to“Slave Mode”.
2.Press "ENTER and "Slave"or “Master”will be showed,then press "ENTER"to choose.

AUTO -In this menu,you can choose your desired AUTO Mode and adjust the running speed.
1.Press“ENTER"and then press "UP"or“DOWN"to“AUTO MODE".
2.Press "ENTER"you can see 2 items as below:
1)SPEED -It provides "01-22"for you choose.
2)AUTO MODE It provides "AUTO 1-AUTO 22"for you choose.

Manual Mode-In this menu, you can edit a scene by adjusting the value of“Red(0~255)”,“Green(0~255)",“Blue(0~255)",White(0~255)”,“COLOR MACRO(1~51)”, “CTO”and “Strobe(0~255)"as you like.Then the data will be saved,when you press the ENTER button for 5 seconds.
1.Press "ENTER"button and then UP or DOWN button until "Manual Mode"is showed.
2.Press“ENTER""button,and there will be six options..Then press ENTER,and you can see seven items as below:
1)Red-You can adjust the red brightness in this menu.
2)Green-You can adjust the green brightness in this menu.
3)Blue-You can adjust the blue brightness in this menu.
4)White-You can adjust the white brightness in this menu.
5)COLOR MACRO-You can select 51 different kinds of color in this menu.
6)CTO-You can adjust the color temperature from 2700k to8000k.
7)Strobe-You can adjust the strobe mode in this menu.

SET UP-In this menu,you can adjust the values of the function.
1.Press“ENTER"and then press"UP"or“DOWN"to“SET UP”.
2.Press "ENTER"and there has 11 options,then press "UP"or "DOWN"to choose the value you desired as below:
1)Refresh Rate-You can select the refresh rate from 600Hz to 18000 Hz.
2)Dimmer Curve-In this menu,you can adjust the brightness of the light .Press "ENTER"button,and "Linear”,”Square Law”and”Inv Squ Law”will be showed.Then press ENTER to select your desired Dimmer Curve.
3)Dimmer Speed-You can select dimmer speed from speed1 to speed 4.
4)Dimmer All-You can adjust the brightness of colors.
5)Pixel Ori-In this item,you can select "Off"or "On".If you select ON,images taken with other tools such

as cell phones or cameras will be clearer.And if you select Off, then images taken with other tools such as cell phones, cameras are not as sharp, and visible pixel streaks can be seen in the photographic tools.
6)White Balance-You can select“RED""“GREEN"“BLUE” and“WHITE” you need (from 127 to 255).
7)Key Lock-You can choose "On"or "Off “to make the Key Lock turn on or off.
8)Display-In this item,you can select "30s"or "Off".If you select Off,the display will be on all the time.And if you select 30s,the screen will turn off after 30 seconds
9)Display Ori.-In this item,you can select "Normal"or "Inverted".If you select Normal,it means that the screen displays normally. And if you select Inverted, it means the screen is inverted to show.
10)Max temp-You can set the your desired Max working temperature of the light with Pass-code (up down up down) in this menu.When the working temperature beyond max temperature of default settings,the color of letter "Temp XX"will show the color from white to yellow.Meanwhile,the light will adjust the working temperature automatically.
11)Factory Reset-In this menu,you can reset all the value of the system.

W-DMX-No wireless function

INFORMATION-In this menu,you can learn about the information of RDM,software,hardware and working time of the light.
1.Press“ENTER”and then press“UP”or“DOWN”to“INFORMATION".
2.Press "ENTER"and you can see 3 items as below:
1)RDM-It shows RDM information.
2)Hardware-It shows the Hardware information.
3)Software-It shows the Software information.
4)Working time-It shows the working time information.

Test All-In this menu, you can check the color and brightness of all lights.
1.Press“ENTER”and then press“UP”or“DOWN”to“Test All".
2.Press "ENTER"and you can see 2 items as below:
1)Color-It will display the four colors red, green, blue and white in sequence.
2)Full Power-It will show the full brightness of the four mixed colors of red, green, blue and white.

6. DMX CHANNELS

CHANNEL 02		
Channel	Function	Value
1	Color Macro	000 - 255
2	CTO	000 - 255

CHANNEL 08		
Channel	Function	Value
1	Red	000 - 255
2	Red fine	000 - 255
3	Green	000 - 255
4	Green fine	000 - 255
5	Blue	000 - 255
6	Blue fine	000 - 255
7	Lime	000 - 255
8	Lime fine	000 - 255

CHANNEL 13		
Channel	Function	Value
1	Master dimmer	000 - 255
2	Master dimmer fine	000 - 255
3	Red	000 - 255
4	Red fine	000 - 255
5	Green	000 - 255
6	Green fine	000 - 255
7	Blue	000 - 255
8	Blue fine	000 - 255
9	Lime	000 - 255
10	Lime fine	000 - 255
11	Strobe	000 - 255
12	Dimmer speed	000 - 255
13	Device settings	000 - 255

CHANNEL 18		
Channel	Function	Value
1	Master dimmer	000 - 255
2	Master dimmer fine	000 - 255
3	Red	000 - 255
4	Red fine	000 - 255
5	Green	000 - 255
6	Green fine	000 - 255
7	Blue	000 - 255
8	Blue fine	000 - 255
9	Lime	000 - 255
10	Lime fine	000 - 255
11	Strobe	000 - 255
12	Color Macro	000 - 255
13	CTO	000 - 255
14	Dimmer speed	000 - 255
15	Device settings	000 - 255
16	Auto	000 - 255
17	Auto speed	000 - 255
18	Fade	000 - 255

CHANNEL 27		
Channel	Function	Value
1	Master dimmer	000 - 255
2	Master dimmer fine	000 - 255
3	Device settings	000 - 255
4	Red	000 - 255
5	Green	000 - 255
6	Blue	000 - 255
7	Lime	000 - 255
8	Strobe	000 - 255
9	Color Macro	000 - 255
10	CTO	000 - 255
11	Dimmer speed	000 - 255
12	LED 1 dimmer	000 - 255
13	LED 2 dimmer	000 - 255
14	LED 3 dimmer	000 - 255
15	LED 4 dimmer	000 - 255
16	LED 5 dimmer	000 - 255
17	LED 6 dimmer	000 - 255

18	LED 7 dimmer	000 - 255
19	LED 8 dimmer	000 - 255
20	LED 9 dimmer	000 - 255
21	LED 10 dimmer	000 - 255
22	LED 11 dimmer	000 - 255
23	LED 12 dimmer	000 - 255
24	LED 13 dimmer	000 - 255
25	LED 14 dimmer	000 - 255
26	LED 15 dimmer	000 - 255
27	LED 16 dimmer	000 - 255

CHANNEL 32		
Channel	Function	Value
1	LED 1 - 2 Red	000 - 255
2	LED 1 - 2 Green	000 - 255
3	LED 1 - 2 Blue	000 - 255
4	LED 1 - 2 Lime	000 - 255
5	LED 3 - 4 Red	000 - 255
6	LED 3 - 4 Green	000 - 255
7	LED 3 - 4 Blue	000 - 255
8	LED 3 - 4 Lime	000 - 255
9	LED 5 - 6 Red	000 - 255
10	LED 5 - 6 Green	000 - 255
11	LED 5 - 6 Blue	000 - 255
12	LED 5 - 6 Lime	000 - 255
13	LED 7 - 8 Red	000 - 255
14	LED 7 - 8 Green	000 - 255
15	LED 7 - 8 Blue	000 - 255
16	LED 7 - 8 Lime	000 - 255
17	LED 9 - 10 Red	000 - 255
18	LED 9 - 10 Green	000 - 255
19	LED 9 - 10 Blue	000 - 255
20	LED 9 - 10 Lime	000 - 255
21	LED 11 - 12 Red	000 - 255
22	LED 11 - 12 Green	000 - 255
23	LED 11 - 12 Blue	000 - 255
24	LED 11 - 12 Lime	000 - 255
25	LED 13 - 14 Red	000 - 255
26	LED 13 - 14 Green	000 - 255
27	LED 13 - 14 Blue	000 - 255
28	LED 13 - 14 Lime	000 - 255
29	LED 15 - 16 Red	000 - 255
30	LED 15 - 16 Green	000 - 255
31	LED 15 - 16 Blue	000 - 255
32	LED 15 - 16 Lime	000 - 255

CHANNEL 64		
Channel	Function	Value
1	LED 1 Red	000 - 255
2	LED 1 Green	000 - 255
3	LED 1 Blue	000 - 255
4	LED 1 Lime	000 - 255
5	LED 2 Red	000 - 255
6	LED 2 Green	000 - 255
7	LED 2 Blue	000 - 255
8	LED 2 Lime	000 - 255
9	LED 3 Red	000 - 255
10	LED 3 Green	000 - 255
11	LED 3 Blue	000 - 255
12	LED 3 Lime	000 - 255
13	LED 4 Red	000 - 255
14	LED 4 Green	000 - 255
15	LED 4 Blue	000 - 255
16	LED 4 Lime	000 - 255
17	LED 5 Red	000 - 255
18	LED 5 Green	000 - 255
19	LED 5 Blue	000 - 255
20	LED 5 Lime	000 - 255
21	LED 6 Red	000 - 255
22	LED 6 Green	000 - 255
23	LED 6 Blue	000 - 255
24	LED 6 Lime	000 - 255
25	LED 7 Red	000 - 255
26	LED 7 Green	000 - 255
27	LED 7 Blue	000 - 255
28	LED 7 Lime	000 - 255
29	LED 8 Red	000 - 255
30	LED 8 Green	000 - 255
31	LED 8 Blue	000 - 255
32	LED 8 Lime	000 - 255
33	LED 9 Red	000 - 255
34	LED 9 Green	000 - 255
35	LED 9 Blue	000 - 255
36	LED 9 Lime	000 - 255
37	LED 10 Red	000 - 255
38	LED 10 Green	000 - 255
39	LED 10 Blue	000 - 255
40	LED 10 Lime	000 - 255

41	LED 11 Red	000 - 255
42	LED 11 Green	000 - 255
43	LED 11 Blue	000 - 255
44	LED 11 Lime	000 - 255
45	LED 12 Red	000 - 255
46	LED 12 Green	000 - 255
47	LED 12 Blue	000 - 255
48	LED 12 Lime	000 - 255
49	LED 13 Red	000 - 255
50	LED 13 Green	000 - 255
51	LED 13 Blue	000 - 255
52	LED 13 Lime	000 - 255
53	LED 14 Red	000 - 255
54	LED 14 Green	000 - 255
55	LED 14 Blue	000 - 255
56	LED 14 Lime	000 - 255
57	LED 15 Red	000 - 255
58	LED 15 Green	000 - 255
59	LED 15 Blue	000 - 255
60	LED 15 Lime	000 - 255
61	LED 16 Red	000 - 255
62	LED 16 Green	000 - 255
63	LED 16 Blue	000 - 255
64	LED 16 Lime	000 - 255

CHANNEL 73		
Channel	Function	Value
1	Master dimmer	000 - 255
2	Master dimmer fine	000 - 255
3	Device settings	000 - 255
4	LED 1 Red	000 - 255
5	LED 1 Green	000 - 255
6	LED 1 Blue	000 - 255
7	LED 1 Lime	000 - 255
8	LED 2 Red	000 - 255
9	LED 2 Green	000 - 255
10	LED 2 Blue	000 - 255
11	LED 2 Lime	000 - 255
12	LED 3 Red	000 - 255
13	LED 3 Green	000 - 255
14	LED 3 Blue	000 - 255
15	LED 3 Lime	000 - 255

16	LED 4 Red	000 - 255
17	LED 4 Green	000 - 255
18	LED 4 Blue	000 - 255
19	LED 4 Lime	000 - 255
20	LED 5 Red	000 - 255
21	LED 5 Green	000 - 255
22	LED 5 Blue	000 - 255
23	LED 5 Lime	000 - 255
24	LED 6 Red	000 - 255
25	LED 6 Green	000 - 255
26	LED 6 Blue	000 - 255
27	LED 6 Lime	000 - 255
28	LED 7 Red	000 - 255
29	LED 7 Green	000 - 255
30	LED 7 Blue	000 - 255
31	LED 7 Lime	000 - 255
32	LED 8 Red	000 - 255
33	LED 8 Green	000 - 255
34	LED 8 Blue	000 - 255
35	LED 8 Lime	000 - 255
36	LED 9 Red	000 - 255
37	LED 9 Green	000 - 255
38	LED 9 Blue	000 - 255
39	LED 9 Lime	000 - 255
40	LED 10 Red	000 - 255
41	LED 10 Green	000 - 255
42	LED 10 Blue	000 - 255
43	LED 10 Lime	000 - 255
44	LED 11 Red	000 - 255
45	LED 11 Green	000 - 255
46	LED 11 Blue	000 - 255
47	LED 11 Lime	000 - 255
48	LED 12 Red	000 - 255
49	LED 12 Green	000 - 255
50	LED 12 Blue	000 - 255
51	LED 12 Lime	000 - 255
52	LED 13 Red	000 - 255
53	LED 13 Green	000 - 255
54	LED 13 Blue	000 - 255
55	LED 13 Lime	000 - 255
56	LED 14 Red	000 - 255
57	LED 14 Green	000 - 255
58	LED 14 Blue	000 - 255

59	LED 14 Lime	000 - 255
60	LED 15 Red	000 - 255
61	LED 15 Green	000 - 255
62	LED 15 Blue	000 - 255
63	LED 15 Lime	000 - 255
64	LED 16 Red	000 - 255
65	LED 16 Green	000 - 255
66	LED 16 Blue	000 - 255
67	LED 16 Lime	000 - 255
68	Dimmer speed	000 - 255
69	Color Macro	000 - 255
70	CTO	000 - 255
71	Auto	000 - 255
72	Auto speed	000 - 255
73	Fade	000 - 255

LED PARTITION MAP

The viewing angle of the display screen

RGBL1	RGBL2	RGBL3	RGBL4	RGBL5	RGBL6	RGBL7	RGBL8	RGBL9	RGBL10	RGBL11	RGBL12	RGBL13	RGBL14	RGBL15	RGBL16

CHANNEL 60 & 73

RGBL1-2	RGBL3-4	RGBL5-6	RGBL7-8	RGBL9-10	RGBL11-12	RGBL13-14	RGBL15-16

CHANNEL 32

Auto					
6	10	Auto 1	71	76	Auto 12
11	16	Auto 2	77	82	Auto 13
17	22	Auto 3	83	88	Auto 14
23	28	Auto 4	89	94	Auto 15
29	34	Auto 5	95	100	Auto 16
35	40	Auto 6	101	106	Auto 17
41	46	Auto 7	107	112	Auto 18
47	52	Auto 8	113	118	Auto 19
53	58	Auto 9	119	124	Auto 20
59	64	Auto 10	125	130	Auto 21
65	70	Auto 11	131	255	Auto 22

Auto speed					
0	27	Speed 1	140	167	Speed 6
28	55	Speed 2	168	195	Speed 7
56	83	Speed 3	196	223	Speed 8
84	111	Speed 4	224	251	Speed 9
112	139	Speed 5	252	255	Speed 10

CTO					
8	30	2500K	146	168	5500K
31	53	3000K	169	191	6000K
54	76	3500K	192	214	6500K
77	99	4000K	215	237	7000K
100	122	4500K	238	255	8000K
123	145	5000K			

Dimmer speed (wait 3s to execute and store)					
0	49	No function	150	199	Dimmer speed 3
50	99	Dimmer speed 1	200	255	Dimmer speed 4
100	149	Dimmer speed 2			

Strobe (from slow to fast)					
0	9	No function	164	173	No function
10	81	Strobe	174	245	Random strobe
82	91	No function	246	255	No function
92	163	Pulse strobe			

Device settings (wait 3s to execute and store)		
0	44	No function
45	49	Pixel on
50	54	Pixel off
55	59	Dimmer curve Linear
60	64	Dimmer curve Square Law
65	69	Dimmer curve Inverse Square Law
70	74	Dimmer curve S-Curve
75	89	No function
90	94	Calibrated color output mode - COLOR CALIB = On
95	99	Raw color ouput mode - COLOR CALIB = Off
100	114	No function
115	119	600Hz refresh rate
120	124	1200Hz refresh rate
125	129	2400Hz refresh rate
130	134	4800Hz refresh rate
135	139	9600Hz refresh rate
140	144	12000Hz refresh rate
145	149	18000Hz refresh rate
150	249	No function
250	255	illuminate display

Color macro					
5	9	Color 1	135	139	Color 27
10	14	Color 2	140	144	Color 28
15	19	Color 3	145	149	Color 29
20	24	Color 4	150	154	Color 30
25	29	Color 5	155	159	Color 31
30	34	Color 6	160	164	Color 32
35	39	Color 7	165	169	Color 33
40	44	Color 8	170	174	Color 34
45	49	Color 9	175	179	Color 35
50	54	Color 10	180	184	Color 36
55	59	Color 11	185	189	Color 37
60	64	Color 12	190	194	Color 38
65	69	Color 13	195	199	Color 39
70	74	Color 14	200	204	Color 40
75	79	Color 15	205	209	Color 41
80	84	Color 16	210	214	Color 42
85	89	Color 17	215	219	Color 43
90	94	Color 18	220	224	Color 44
95	99	Color 19	225	229	Color 45
100	104	Color 20	230	234	Color 46
105	109	Color 21	235	239	Color 47
110	114	Color 22	240	244	Color 48
115	119	Color 23	245	249	Color 49
120	124	Color 24	250	254	Color 50
125	129	Color 25	255		Color 51
130	134	Color 26			

RDM compliance:ANSI/ESTA E.120

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
DIMMER CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√



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