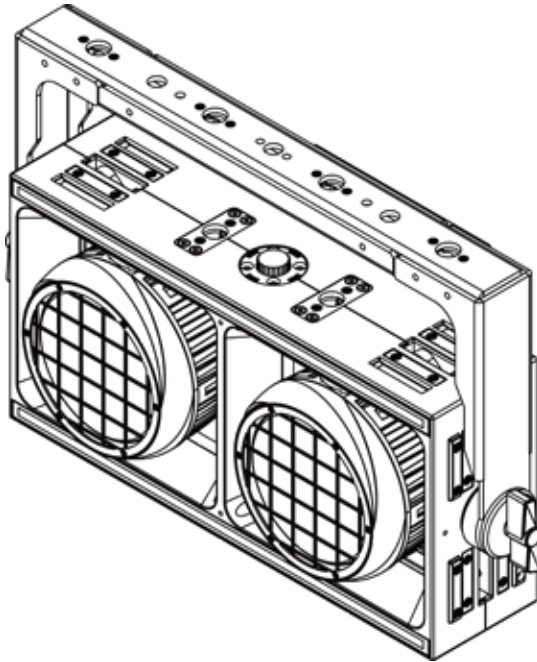


User Manual



LEDING
D-BOLT[®]



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.

SAFETY INTRODUCTION

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 °C



- 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.



—2.0m ta 45 °C

GENERAL PRODUCT INFORMATION

1. Standard Configuration

- 1x D-BOLT C
- 1x True one power cable

In addition, we offer a range of professional accessories (optional). Please see under menu or at our website www.leding.pt

2. Control Functions

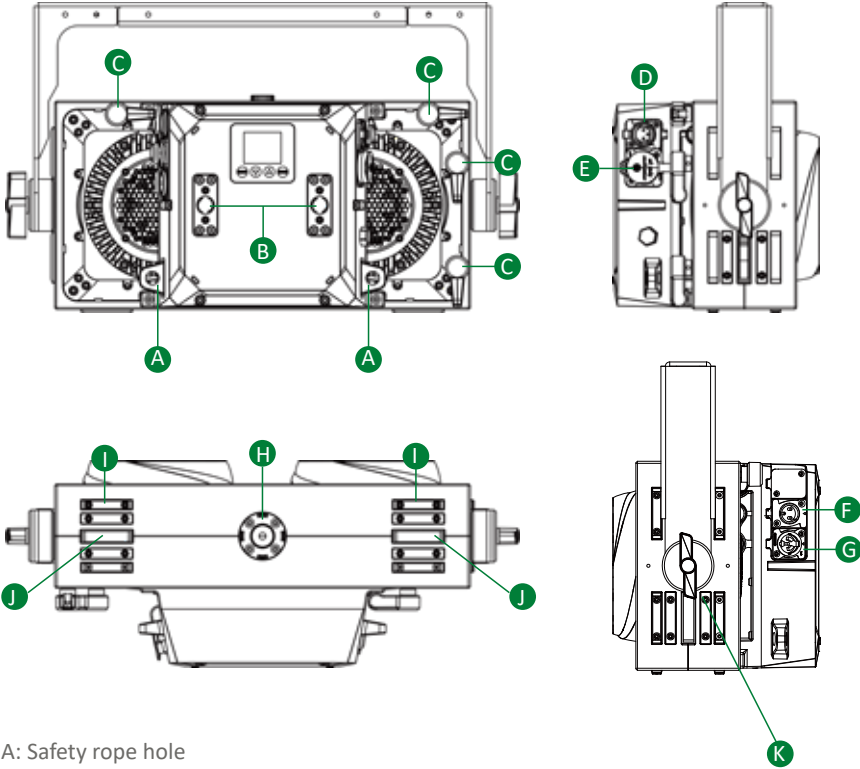
- 01/02/02b/03/06/07/HSV/CTC/04/RGBAL/07b/09/11/12/19/19b/26/20/27/41/31/38/52/37/44
- Master&Slave mode
- CRMX Wireless DMX
- VISION APP(optional)

3. Features

- Light Source: Main Led Panel:2*400W RGBLA
Auxiliary Led Panel:2*24*2W CW+WW
- Native beam angle(s):50°
- Initial field of view (spot angle):93°
- Power consumption: 700W
- Voltage: 100~240V/ 50~60Hz
- Light output all LEDs on(Main+Auxiliary):40600 LM
- Run Mode: DMX 512 /Master Slave/Auto Run
- Built-in Effect: color mixing, variable color chasing, strobing and fading.
- Maximum 66 ID setting for easy separately control
- Wireless DMX from Sweden
- 10 internal programs and 10 customerize programs
- 4 different dimming curve
- Smart temperature control
- Working time record
- Material: Aluminum body
- Painting: an-ti salt & an-ti UV
- TFT displayer with four buttons
- LCD Touch Screen
- IP65
- Temperature: -40 °C~45 °C
- N.W: 9.2 KG
- Dimensions: 495x 299 x 199mm

INSTALLATION&SETUP

1. Connections



- A: Safety rope hole
- B: Mounting point for fast lock
- C: Knob
- D: DMX OUT
- E: Power OUT
- F: DMX IN
- G: POWER IN
- H:C-Lock system
- I: Magnet
- J:Mounting point for handle
- K: Handle-removable

OPERATION

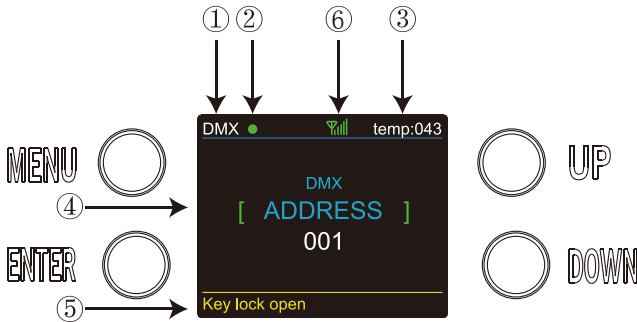
1. Control Display

 LCD Touch Screen

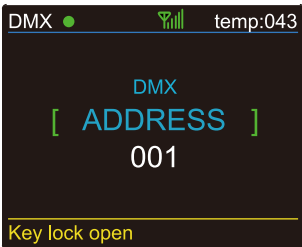
  Press arrows to scroll up and down inside the menu and change values, such as DMX address

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

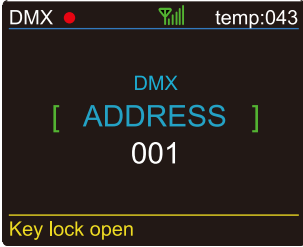
2. Displayer Introduction



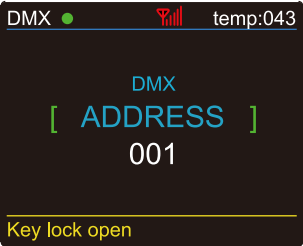
1. When you enter DMX Mode, it will be showed DMX, when you enter SLAVE Mode, it will be showed SLAVE.
2. This shows the condition of signal transmission. Green is connected. Red is disconnected.
3. This shows the temperature of the lights.
4. This shows the menus you can select.
5. This shows the condition 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.



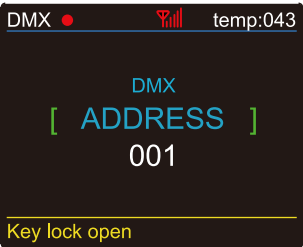
While DMX and Wireless signal are green, it means DMX Mode and Wireless are connected.



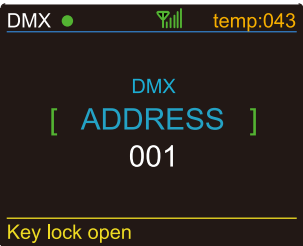
While DMX shows red but Wireless signal shows green, it means DMX Mode is disconnected and Wireless is connected.



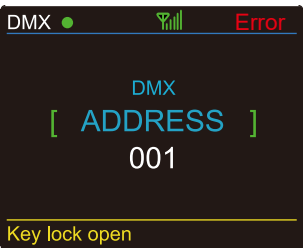
While DMX shows green but Wireless signal shows red, it means DMX Mode is connected and Wireless is disconnected.



While DMX and Wireless are shown red, it means DMX Mode and Wireless are disconnected.

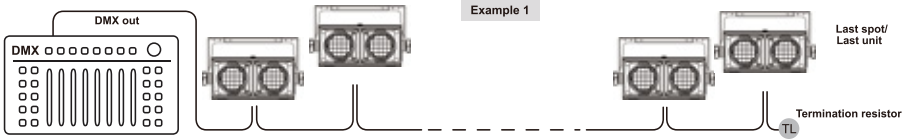


While the letters and number show change from white to yellow, it means the temperature is beyond the maximum temperature of default settings.

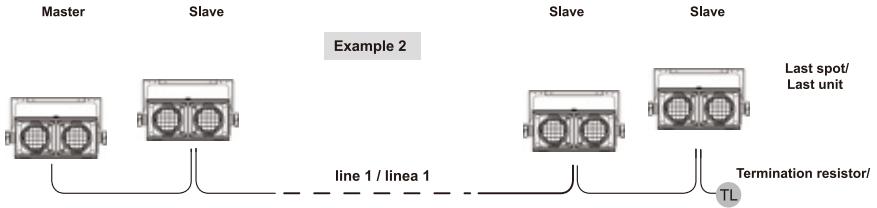


While the letters and number show Error, it means there are some problems with the temperature.

3. DMX connection



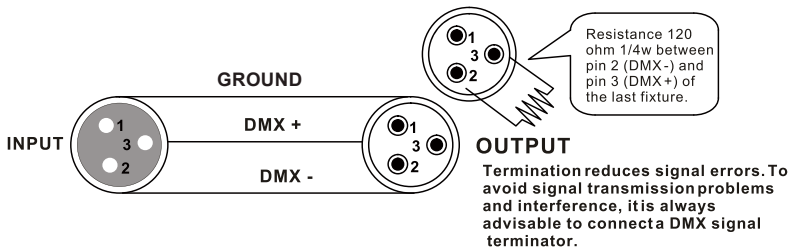
4. Master / Slave connection



5. 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.

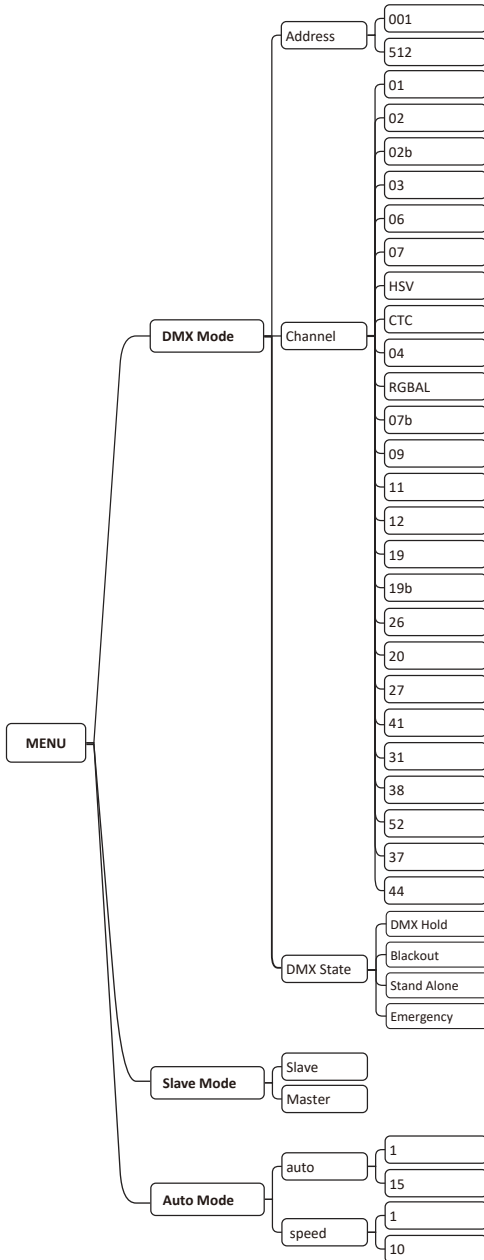
3-PIN TO 5-PIN CONVERSION CHART

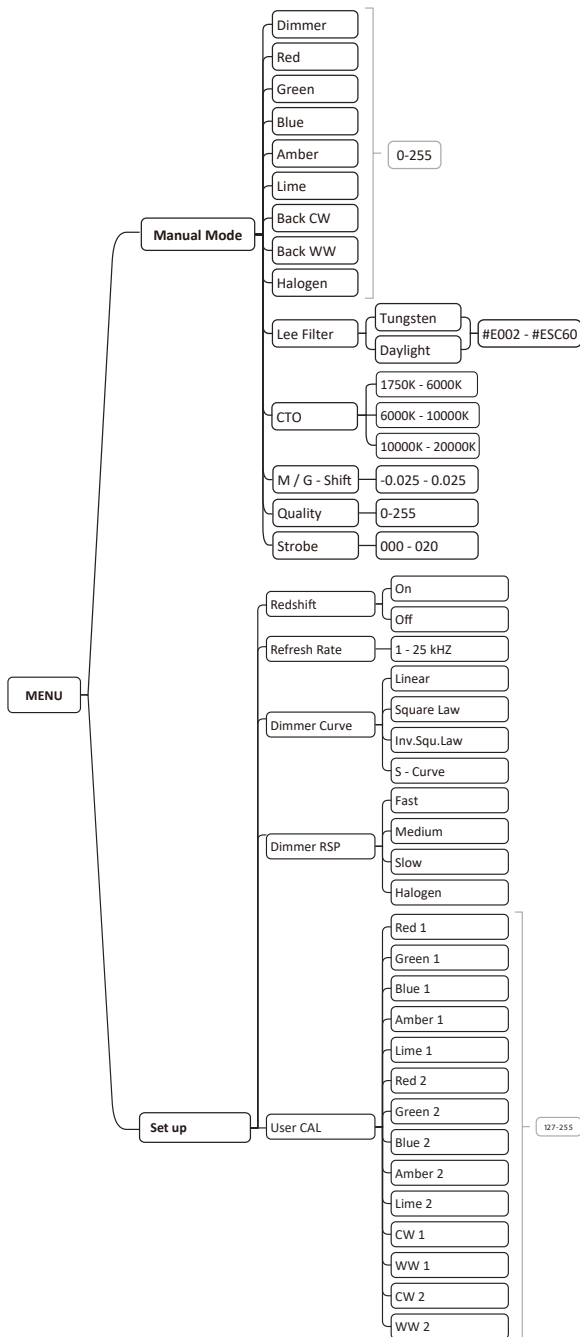
Please note if you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

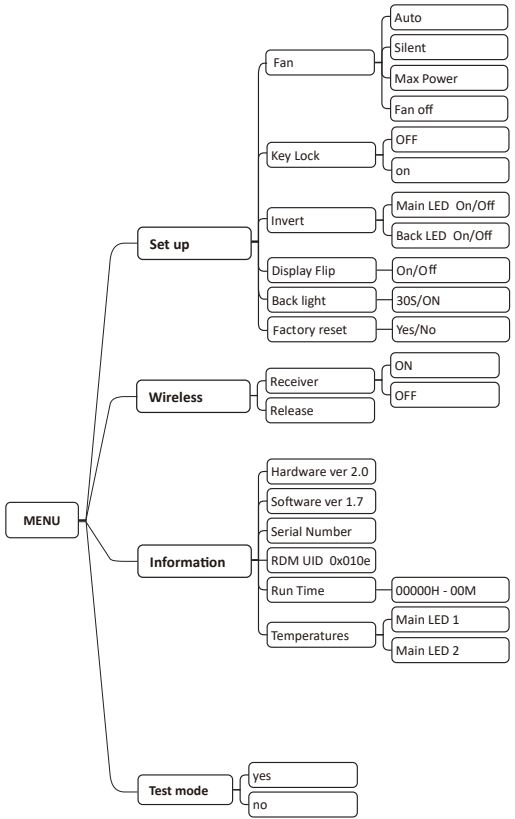
3-PIN TO 5-PIN CONVERSION CHART

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







DMX Address and Channels Mode-In these menu,you can connect several pieces of lights with DMX cable and control them with control console.

1. Press “ENTER” and then press “UP” or “DOWN” to “DMX Address” or “Channels Mode” and press “ENTER”.

1) “XXX” will be showed in “DMX Address”, “XXX” means the Address 1-512. You can press “UP” or “DOWN” to select the address you desired.

2) “Channel [xx]” will be showed in “Channels Mode”, “XX” means 5 kinds of DMX Channels Modes. You can press “UP” or “DOWN” to select the Channel Mode you desired.

3) DMX STATE-In this menu,you can choose the DMX signal you desired. Press “ENTER” and you can choose “BLACKOUT” or “DMX HOLD”;“BLACKOUT” means cut off the DMX signal and “DMX HOLD” means connect DMX signal.

SLAVE MODE-In this menu, you can select one light as the MASTER light and other lights in SLAVE Mode will run following the MASTER light.

1. Press “ENTER” and then press “UP” or “DOWN” to “SLAVE Mode”.

2.Press “ENTER” and “SLAVE” will be showed, then press “ENTER” to select.

AUTO MODE-In this menu, you can select your desire AUTO Mode and adjust the running speed.

1. Press “ENTER” and then press “UP” or “DOWN” to “AUTO MODE”.

2. Press “ENTER” then “SPEED” or “AUTO MODE” is showed.Then press “ENTER” and you can see 2 items as below:

1) SPEED - It provides “01-10” for you choose.

2) AUTO MODE - It provides “AUTO 1- AUTO 15” for you choose.

Manual MODE-In this menu,you can select red,green,blue,Lime,Amber,Back CW,Back WW, Halogen, CTO,stroke and Color Marco you desired.

1. Press “ENTER” and then press “UP” or “DOWN” to “MANUAL MODE”.

2. Press “ENTER” and there has 15 options then press “UP” or “DOWN” to select the value you desired as below:

1) Dimmer - You can adjust the overall brightness in this menu.

2) Red - You can adjust the Red brightness in this menu.

3) Green - You can adjust the Green brightness in this menu.

4) Blue - You can adjust the Blue brightness in this menu.

5) Lime - You can adjust the Lime brightness in this menu.

6) Amber - You can adjust the Amber brightness in this menu.

7) Back CW - You can adjust the Back CW brightness in this menu.

8) Back WW - You can adjust the Back WW brightness in this menu.

9) Halogen - You can use the Halogen effect.

10) Lee filter - You can use the Tungsten or Daylight function in this menu.

11) CTO - You can adjust the CTO in this menu.

12) M/G shift - You can use the M/G shift function in this menu.

13) Quality - In this menu, when you adjust the value of the quality mode to 255, the CRI and TLCI will increase, while the brightness will decrease a little. When you turn off the quality mode, the brightness is enhanced, and the CRI and TLCI will return to their original levels.

14) STROBE - You can adjust the speed of strobe in this menu.

SET UP-In this menu, you can adjust the value of the function.

1. Press “ENTER” and then press “UP” or “DOWN” to “SET UP”.

2. Press “ENTER” and there has 12 options then press “ENTER” to select the options and press “UP” or “DOWN” to select the value you desired as below:

- 1)RedShift - In this item,the fixture displays the halogen effect when you select ON,and the fixture turns off the halogen effect when you select OFF.
- 2)Refresh Rate - it provides 1-25KHz of refresh rates for your choose
- 3)Dimmer Curve - It provides 4 kinds of dimmer curves for you choose.
- 4)Dimmer response -It provides 4 kinds of dimmer speed for your choose.
- 5)User CAL - You can adjust the brightness of overall color in this menu.
- 6)Fan - You can adjust the 4 kinds of fan mode in this menu.
- 7)Key Lock - You can select "OFF" or "ON" to make the Key Lock turn off all the time or turns on.
- 8)Invert - You can select the Main LED or Back LED On/Off.
- 9)Display Flip - You can turn on/off the display flip.
- 10)Back light - You can choose turn on the backlight all the time or choose turn off 30s later.
- 11)FACTORY RESET-In this item, you can reset all the value of the system.

Wireless – In this menu,you can receive or clear wireless signals.

- 1.Press "ENTER" bution and then UP or DOWN bution until "Wireless" is showed.
- 2.Press "ENTER" bution,and "Receiver" or "Release" will be showed.Then press ENTER,and you can see two items as below:
 - 1)Receiver- In this item,you can select "ON" or "OFF".If you select ON,you can use the wireless reception function.And if you select OFF,wireless reception will be turned off.
 - 2)Release-In this item, you can clear wireless signals."SUCCESS" will be displayed when the wireless signal is successfully cleared.

INFORMATION-In this menu, you can learn about the information of RDM, software, hardware , serial number, temperatures and the run time of the light.

1. Press "ENTER" and then press "UP" or "DOWN" to "INFORMATION".
2. Press "ENTER" and select "RDM" , "Serial number" , "Temperatures" , "Software" , "Hardware" or "Run times".Then press "ENTER",you can see 6 items as below:
 - 1) Hardware - It shows the Hardware information.
 - 2) Software - It shows the Software information.
 - 3) Serial number - It shows the serial number information.
 - 4) RDMUID - It shows RDM information.
 - 5) Run times - It shows the working hours of the light.
 - 6) Temperatures - It shows the temperatures of the light.

Test mode - In this menu,you can test if the light work normally.

DMX CONTROL MODE

CHANNEL 01		
Channel	Value	Function
1	000 - 255	Dimmer

CHANNEL 02		
Channel	Value	Function
1	000 - 255	Dimmer cell 1
2	000 - 255	Dimmer cell 2

CHANNEL 02b		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Device settings

CHANNEL 03		
Channel	Value	Function
1	000 - 255	Dimmer cell 1
2	000 - 255	Dimmer cell 2
3	000 - 255	Device settings

CHANNEL 06		
Channel	Value	Function
1	000 - 255	Dimmer cell 1
2	000 - 255	Dimmer cell 2
3	000 - 255	WW strip 1
4	000 - 255	WW strip 2
5	000 - 255	CW strip 1
6	000 - 255	CW strip 2

CHANNEL 07		
Channel	Value	Function
1	000 - 255	Dimmer cell 1
2	000 - 255	Dimmer cell 2
3	000 - 255	WW strip 1
4	000 - 255	WW strip 2
5	000 - 255	CW strip 1
6	000 - 255	CW strip 2
7	000 - 255	Device settings

CHANNEL HSV		
Channel	Value	Function
1	000 - 255	Hue
2	000 - 255	Saturation
3	000 - 255	Value

CHANNEL CTC		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	CTC

CHANNEL 04		
Channel	Value	Function
1	000 - 255	Dimmer cells
2	000 - 255	CTC cells
3	000 - 255	Dimmer strips
4	000 - 255	CTC strips

CHANNEL RGBAL		
Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue
4	000 - 255	Amber
5	000 - 255	Lime

CHANNEL 07b		
Channel	Value	Function
1	000 - 255	Red cells
2	000 - 255	Green cells
3	000 - 255	Blue cells
4	000 - 255	Amber cells
5	000 - 255	Lime cells
6	000 - 255	WW strips
7	000 - 255	CW strips

CHANNEL 09		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Shutter
3	000 - 255	Halogen dimmer
4	000 - 255	Red
5	000 - 255	Green
6	000 - 255	Blue
7	000 - 255	Amber
8	000 - 255	Lime
9	000 - 255	Color Macro

CHANNEL 11		
Channel	Value	Function
1	000 - 255	Dimmer cells
2	000 - 255	Shutter cells
3	000 - 255	Halogen dimmer cells
4	000 - 255	Red cells
5	000 - 255	Green cells
6	000 - 255	Blue cells
7	000 - 255	Amber cells
8	000 - 255	Lime cells
9	000 - 255	Color Macro cells
10	000 - 255	WW strips
11	000 - 255	CW strips

CHANNEL 12		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Shutter
3	000 - 255	Shutter duration
4	000 - 255	Halogen dimmer
5	000 - 255	Red
6	000 - 255	Green
7	000 - 255	Blue
8	000 - 255	Amber
9	000 - 255	Lime
10	000 - 255	Color Macro
11	000 - 255	CTC
12	000 - 255	Device settings

CHANNEL 19		
Channel	Value	Function
1	000 - 255	Dimmer cells
2	000 - 255	Shutter cells
3	000 - 255	Shutter duration cells
4	000 - 255	Halogen dimmer cells
5	000 - 255	Red cells
6	000 - 255	Green cells
7	000 - 255	Blue cells
8	000 - 255	Amber cells
9	000 - 255	Lime cells
10	000 - 255	Color Macro cells
11	000 - 255	CTC cells
12	000 - 255	Dimmer strips
13	000 - 255	Shutter strips
14	000 - 255	WW strips
15	000 - 255	CW strips
16	000 - 255	Patterns FX strips
17 Patterns speed strips	000 - 126	Patterns speed from slow to fast forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
18 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
19	000 - 255	Device settings

CHANNEL 19b		
Channel	Value	Function
1	000 - 255	Dimmer
2	000 - 255	Dimmer fine
3	000 - 255	Shutter
4	000 - 255	Shutter duration
5	000 - 255	Halogen dimmer
6	000 - 255	Halogen dimmer fine
7	000 - 255	Red
8	000 - 255	Red fine
9	000 - 255	Green
10	000 - 255	Green fine
11	000 - 255	Blue
12	000 - 255	Blue fine
13	000 - 255	Amber
14	000 - 255	Amber fine
15	000 - 255	Lime
16	000 - 255	Lime fine
17	000 - 255	Color Macro
18	000 - 255	CTC
19	000 - 255	Device settings

CHANNEL 26		
Channel	Value	Function
1	000 - 255	Dimmer cells
2	000 - 255	Dimmer fine cells
3	000 - 255	Shutter cells
4	000 - 255	Shutter duration cells
5	000 - 255	Halogen dimmer cells
6	000 - 255	Halogen dimmer fine cells
7	000 - 255	Red cells
8	000 - 255	Red fine cells
9	000 - 255	Green cells
10	000 - 255	Green fine cells
11	000 - 255	Blue cells
12	000 - 255	Blue fine cells
13	000 - 255	Amber cells
14	000 - 255	Amber fine cells
15	000 - 255	Lime cells
16	000 - 255	Lime fine cells
17	000 - 255	Color Macro cells
18	000 - 255	CTC cells
19	000 - 255	Dimmer strips
20	000 - 255	Shutter strips
21	000 - 255	WW strips
22	000 - 255	CW strips
23	000 - 255	Patterns FX strips
24 Patterns speed strips	000 - 126	Patterns speed from fast to slow forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
25 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
26	000 - 255	Device settings

CHANNEL 20		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Shutter cells
3	000 - 255	Shutter duration cells
4	000 - 255	Halogen dimmer cell 1
5	000 - 255	Halogen dimmer cell 2
6	000 - 255	Dimmer cell 1
7	000 - 255	Red cell 1
8	000 - 255	Green cell 1
9	000 - 255	Blue cell 1
10	000 - 255	Amber cell 1
11	000 - 255	Lime cell 1
12	000 - 255	Dimmer cell 2
13	000 - 255	Red cell 2
14	000 - 255	Green cell 2
15	000 - 255	Blue cell 2
16	000 - 255	Amber cell 2
17	000 - 255	Lime cell 2
18	000 - 255	Color Macro cells
19	000 - 255	CTC cells
20	000 - 255	Device settings

CHANNEL 27		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Shutter cells
3	000 - 255	Shutter duration cells
4	000 - 255	Halogen dimmer cell 1
5	000 - 255	Halogen dimmer cell 2
6	000 - 255	Dimmer cell 1
7	000 - 255	Red cell 1
8	000 - 255	Green cell 1
9	000 - 255	Blue cell 1
10	000 - 255	Amber cell 1
11	000 - 255	Lime cell 1
12	000 - 255	Dimmer cell 2
13	000 - 255	Red cell 2
14	000 - 255	Green cell 2
15	000 - 255	Blue cell 2
16	000 - 255	Amber cell 2
17	000 - 255	Lime cell 2
18	000 - 255	Color Macro cells
19	000 - 255	CTC cells
20	000 - 255	Dimmer strips
21	000 - 255	Shutter strips
22	000 - 255	WW strips
23	000 - 255	CW strips
24	000 - 255	Patterns FX strips
25 Patterns speed strips	000 - 126	Patterns speed from fast to slow forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
26 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
27	000 - 255	Device settings

CHANNEL 41		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Shutter cells
3	000 - 255	Shutter duration cells
4	000 - 255	Halogen dimmer cell 1
5	000 - 255	Halogen dimmer cell 2
6	000 - 255	Dimmer cell 1
7	000 - 255	Red cell 1
8	000 - 255	Green cell 1
9	000 - 255	Blue cell 1
10	000 - 255	Amber cell 1
11	000 - 255	Lime cell 1
12	000 - 255	Dimmer cell 2
13	000 - 255	Red cell 2
14	000 - 255	Green cell 2
15	000 - 255	Blue cell 2
16	000 - 255	Amber cell 2
17	000 - 255	Lime cell 2
18	000 - 255	Color Macro cells
19	000 - 255	CTC cells
20	000 - 255	Dimmer strips
21	000 - 255	Shutter strips
22	000 - 255	WW strip sector 1 + 2
23	000 - 255	CW strip sector 1 + 2
24	000 - 255	WW strip sector 3 + 4
25	000 - 255	CW strip sector 3 + 4
26	000 - 255	WW strip sector 5 + 6
27	000 - 255	CW strip sector 5 + 6
28	000 - 255	WW strip sector 7 + 8
29	000 - 255	CW strip sector 7 + 8
30	000 - 255	WW strip sector 9 + 10
31	000 - 255	CW strip sector 9 + 10
32	000 - 255	WW strip sector 11 + 12
33	000 - 255	CW strip sector 11 + 12
34	000 - 255	WW strip sector 13 + 14
35	000 - 255	CW strip sector 13 + 14
36	000 - 255	WW strip sector 15 + 16
37	000 - 255	CW strip sector 15 + 16
38	000 - 255	Patterns FX strips
39 Patterns speed strips	000 - 126	Patterns speed from fast to slow forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
40 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
41	000 - 255	Device settings

CHANNEL 31		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Master dimmer fine cells
3	000 - 255	Shutter cells
4	000 - 255	Shutter duration cells
5	000 - 255	Halogen dimmer cell 1
6	000 - 255	Halogen dimmer fine cell 1
7	000 - 255	Halogen dimmer cell 2
8	000 - 255	Halogen dimmer fine cell 2
9	000 - 255	Red cell 1
10	000 - 255	Red fine cell 1
11	000 - 255	Green cell 1
12	000 - 255	Green fine cell 1
13	000 - 255	Blue cell 1
14	000 - 255	Blue fine cell 1
15	000 - 255	Amber cell 1
16	000 - 255	Amber fine cell 1
17	000 - 255	Lime cell 1
18	000 - 255	Lime fine cell 1
19	000 - 255	Red cell 2
20	000 - 255	Red fine cell 2
21	000 - 255	Green cell 2
22	000 - 255	Green fine cell 2
23	000 - 255	Blue cell 2
24	000 - 255	Blue fine cell 2
25	000 - 255	Amber cell 2
26	000 - 255	Amber fine cell 2
27	000 - 255	Lime cell 2
28	000 - 255	Lime fine cell 2
29	000 - 255	Color Macro cells
30	000 - 255	CTC cells
31	000 - 255	Device settings

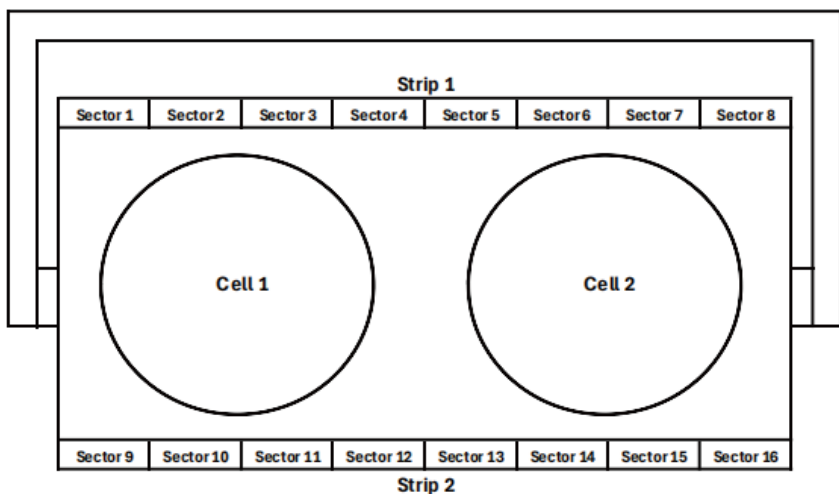
CHANNEL 38		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Master dimmer fine cells
3	000 - 255	Shutter cells
4	000 - 255	Shutter duration cells
5	000 - 255	Halogen dimmer cell 1
6	000 - 255	Halogen dimmer fine cell 1
7	000 - 255	Halogen dimmer cell 2
8	000 - 255	Halogen dimmer fine cell 2
9	000 - 255	Red cell 1
10	000 - 255	Red fine cell 1
11	000 - 255	Green cell 1
12	000 - 255	Green fine cell 1
13	000 - 255	Blue cell 1
14	000 - 255	Blue fine cell 1
15	000 - 255	Amber cell 1
16	000 - 255	Amber fine cell 1
17	000 - 255	Lime cell 1
18	000 - 255	Lime fine cell 1
19	000 - 255	Red cell 2
20	000 - 255	Red fine cell 2
21	000 - 255	Green cell 2
22	000 - 255	Green fine cell 2
23	000 - 255	Blue cell 2
24	000 - 255	Blue fine cell 2
25	000 - 255	Amber cell 2
26	000 - 255	Amber fine cell 2
27	000 - 255	Lime cell 2
28	000 - 255	Lime fine cell 2
29	000 - 255	Color Macro cells
30	000 - 255	CTC cells
31	000 - 255	Dimmer strips
32	000 - 255	Shutter strips
33	000 - 255	WW strips
34	000 - 255	CW strips
35	000 - 255	Patterns FX strips
36 Patterns speed strips	000 - 126	Patterns speed from fast to slow forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
37 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
38	000 - 255	Device settings

CHANNEL 52		
Channel	Value	Function
1	000 - 255	Master dimmer cells
2	000 - 255	Master dimmer fine cells
3	000 - 255	Shutter cells
4	000 - 255	Shutter duration cells
5	000 - 255	Halogen dimmer cell 1
6	000 - 255	Halogen dimmer fine cell 1
7	000 - 255	Halogen dimmer cell 2
8	000 - 255	Halogen dimmer fine cell 2
9	000 - 255	Red cell 1
10	000 - 255	Red fine cell 1
11	000 - 255	Green cell 1
12	000 - 255	Green fine cell 1
13	000 - 255	Blue cell 1
14	000 - 255	Blue fine cell 1
15	000 - 255	Amber cell 1
16	000 - 255	Amber fine cell 1
17	000 - 255	Lime cell 1
18	000 - 255	Lime fine cell 1
19	000 - 255	Red cell 2
20	000 - 255	Red fine cell 2
21	000 - 255	Green cell 2
22	000 - 255	Green fine cell 2
23	000 - 255	Blue cell 2
24	000 - 255	Blue fine cell 2
25	000 - 255	Amber cell 2
26	000 - 255	Amber fine cell 2
27	000 - 255	Lime cell 2
28	000 - 255	Lime fine cell 2
29	000 - 255	Color Macro cells
30	000 - 255	CTC cells
31	000 - 255	Dimmer strips
32	000 - 255	Shutter strips
33	000 - 255	WW strip sector 1 + 2
34	000 - 255	CW strip sector 1 + 2
35	000 - 255	WW strip sector 3 + 4
36	000 - 255	CW strip sector 3 + 4
37	000 - 255	WW strip sector 5 + 6
38	000 - 255	CW strip sector 5 + 6
39	000 - 255	WW strip sector 7 + 8
40	000 - 255	CW strip sector 7 + 8
41	000 - 255	WW strip sector 9 + 10
42	000 - 255	CW strip sector 9 + 10
43	000 - 255	WW strip sector 11 + 12
44	000 - 255	CW strip sector 11 + 12
45	000 - 255	WW strip sector 13 + 14

46	000 - 255	CW strip sector 13 + 14
47	000 - 255	WW strip sector 15 + 16
48	000 - 255	CW strip sector 15 + 16
49	000 - 255	Strips patterns
50 Patterns speed strips	000 - 126	Patterns speed from fast to slow forward direction
	127 - 128	Stop
	129 - 255	Patterns speed from slow to fast reverse direction
51 Patterns fade strips	000 - 004	No fade
	005 - 255	Fade from min fade to max fade
52	000 - 255	Device settings

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

CHANNEL 44		
Channel	Value	Function
1	000 - 255	Halogen dimmer cell 1
2	000 - 255	Halogen dimmer cell 2
3	000 - 255	Red cell 1
4	000 - 255	Green cell 1
5	000 - 255	Blue cell 1
6	000 - 255	Amber cell 1
7	000 - 255	Lime cell 1
8	000 - 255	Red cell 2
9	000 - 255	Green cell 2
10	000 - 255	Blue cell 2
11	000 - 255	Amber cell 2
12	000 - 255	Lime cell 2
13	000 - 255	WW strip sector 1
14	000 - 255	CW strip sector 1
15	000 - 255	WW strip sector 2
16	000 - 255	CW strip sector 2
17	000 - 255	WW strip sector 3
18	000 - 255	CW strip sector 3
19	000 - 255	WW strip sector 4
20	000 - 255	CW strip sector 4
21	000 - 255	WW strip sector 5
22	000 - 255	CW strip sector 5
23	000 - 255	WW strip sector 6
24	000 - 255	CW strip sector 6
25	000 - 255	WW strip sector 7
26	000 - 255	CW strip sector 7
27	000 - 255	WW strip sector 8
28	000 - 255	CW strip sector 8
29	000 - 255	WW strip sector 9
30	000 - 255	CW strip sector 9
31	000 - 255	WW strip sector 10
32	000 - 255	CW strip sector 10
33	000 - 255	WW strip sector 11
34	000 - 255	CW strip sector 11
35	000 - 255	WW strip sector 12
36	000 - 255	CW strip sector 12
37	000 - 255	WW strip sector 13
38	000 - 255	CW strip sector 13
39	000 - 255	WW strip sector 14
40	000 - 255	CW strip sector 14
41	000 - 255	WW strip sector 15
42	000 - 255	CW strip sector 15
43	000 - 255	WW strip sector 16
44	000 - 255	CW strip sector 16



Front view with the display in the straight position in the rear.

Device settings

N°	Function	Values	Detail	Default
1	No Function - Current Preset from Menu Settings	000 - 004		
2	1000Hz	005 - 009		
3	2000Hz	010 - 014	Led Frequency Wait 5 seconds to store	2000Hz
4	3000Hz	015 - 019		
5	4000Hz	020 - 024		
6	6000Hz	025 - 029		
7	25000Hz	030 - 034		
8	No Function - Current Preset from Menu Settings	035 - 039		
9	Auto	040 - 044	Fan Wait 5 seconds to store	Auto
10	Silent	045 - 049		
11	Max	050 - 054		
12	Off	055 - 059		
13	No Function - Current Preset from Menu Settings	060 - 064		
14	On	065 - 069	Key Lock Wait 5 seconds to store	Off
15	Off	070 - 074		
16	No Function - Current Preset from Menu Settings	075 - 079		
17	Hold	080 - 084	DMX Fault Wait 5 seconds to store	Hold
18	Black Out	085 - 089		
19	Stand Alone	090 - 094		
20	Emergency	095 - 099		
21	No Function - Current Preset from Menu Settings	100 - 104		
22	On	105 - 109	Display Flip Wait 5 seconds to store	Off
23	Off	110 - 114		
24	No Function - Current Preset from Menu Settings	115 - 119		
25	On	120 - 124	Display Time Wait 5 seconds to store	30s
26	30s	125 - 129		
27	No function	130 - 134		
28	Linear	135 - 139	Dimmer Curve Wait 5 seconds to store	Square Law
29	Square Law	140 - 144		
30	Inverse Square Law	145 - 149		
31	S-Curve	150 - 154		
32	No Function - Current Preset from Menu Settings	155 - 159		
33	Slow	160 - 164	Dimmer Speed Wait 5 seconds to store	Fast
34	Medium	165 - 169		
35	Fast	170 - 174		
36	Halogen	175 - 179		
37	No Function - Current Preset from Menu Settings	180 - 184		
38	On	185 - 189	Tungsten Emulation Wait 5 seconds to store	Off
39	Off	190 - 194		
40	No Function	195 - 199		
41	Reset dimmer settings	200 - 204	Reset dimmer settings to defaults curves and speed (1)	
42	No function	205 - 219		
43	Reset defaults	220 - 224	Reset device to defaults (1)	
44	No function	225 - 255		

CTO								
8	9	1750K	84	85	3650K	160	161	5550K
10	11	1800K	86	87	3700K	162	163	5600K
12	13	1850K	88	89	3750K	164	165	5650K
14	15	1900K	90	91	3800K	166	167	5700K
16	17	1950K	92	93	3850K	168	169	5750K
18	19	2000K	94	95	3900K	170	171	5800K
20	21	2050K	96	97	3950K	172	173	5850K
22	23	2100K	98	99	4000K	174	175	5900K
24	25	2150K	100	101	4050K	176	177	5950K
26	27	2200K	102	103	4100K	178	179	6000K
28	29	2250K	104	105	4150K	180	181	6250K
30	31	2300K	106	107	4200K	182	183	6500K
32	33	2350K	108	109	4250K	184	185	6750K
34	35	2400K	110	111	4300K	186	187	7000K
36	37	2450K	112	113	4350K	188	189	7250K
38	39	2500K	114	115	4400K	190	191	7500K
40	41	2550K	116	117	4450K	192	193	7750K
42	43	2600K	118	119	4500K	194	195	8000K
44	45	2650K	120	121	4550K	196	197	8250K
46	47	2700K	122	123	4600K	198	199	8500K
48	49	2750K	124	125	4650K	200	201	8750K
50	51	2800K	126	127	4700K	202	203	9000K
52	53	2850K	128	129	4750K	204	205	9250K
54	55	2900K	130	131	4800K	206	207	9500K
56	57	2950K	132	133	4850K	208	209	9750K
58	59	3000K	134	135	4900K	210	211	10000K
60	61	3050K	136	137	4950K	212	213	11000K
62	63	3100K	138	139	5000K	214	215	12000K
64	65	3150K	140	141	5050K	216	217	13000K
66	67	3200K	142	143	5100K	218	219	14000K
68	69	3250K	144	145	5150K	220	221	15000K
70	71	3300K	146	147	5200K	222	223	16000K
72	73	3350K	148	149	5250K	224	225	17000K
74	75	3400K	150	151	5300K	226	227	18000K
76	77	3450K	152	153	5350K	228	229	19000K
78	79	3500K	154	155	5400K	230	231	20000K
80	81	3550K	156	157	5450K	232	255	Blackout
82	83	3600K	158	159	5500K			

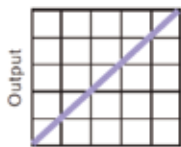
Shutter		
1	4	Open
5	44	Strobe (slow to fast)
45	46	Open
47	86	Pulse In (slow to fast)
87	88	Open
89	128	Pulse Out (slow to fast)
129	130	Open
131	170	Random (slow to fast)
171	172	Open
173	212	Random single pixel (slow to fast)
213	214	Open
215	254	Spikers
255		Open

Strip Patterns

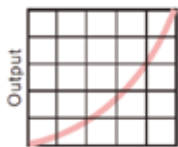
N°	Function	Values
1	No Function - Current Preset from Menu Settings	000-004
2	Pattern 001: Horizontal chase	005-009
3	Pattern 002: Bipolar Alternate	010-014
4	Pattern 003: Ping Pong	015-019
5	Pattern 004: Inside OUT	020-024
6	Pattern 005: Outside IN	025-029
7	Pattern 006: Sparkle	030-034
8	Pattern 007: Snake	035-039
9	Pattern 008: Wave	040-044
10	Pattern 009: Block Flash	045-049
11	Pattern 010: Volume Meter	050-054
12	Pattern 011: Scroll Loop	055-059
13	Pattern 012: Explosion	060-064
14	Pattern 013: Double Wave	065-069
15	No function	070-074
16	Pattern 014: Horizontal chase inverted	075-079
17	Pattern 015: Bipolar Alternate inverted	080-084
18	Pattern 016: Ping Pong inverted	085-089
19	Pattern 017: Inside OUT inverted	090-094
20	Pattern 018: Outside IN inverted	095-099
21	Pattern 019: Sparkle inverted	100-104
22	Pattern 020: Snake inverted	105-109
23	Pattern 021: Wave inverted	110-114
24	Pattern 022: Block Flash inverted	115-119
25	Pattern 023: Volume Meter inverted	120-124
26	Pattern 024: Scroll Loop inverted	125-129
27	Pattern 025: Explosion inverted	130-134
28	Pattern 026: Double Wave inverted	135-139
29	No function (reserved)	140-255

Color Macro								
2	3	Color 1	78	79	Color 39	154	155	Color 77
4	5	Color 2	80	81	Color 40	156	157	Color 78
6	7	Color 3	82	83	Color 41	158	159	Color 79
8	9	Color 4	84	85	Color 42	160	161	Color 80
10	11	Color 5	86	87	Color 43	162	163	Color 81
12	13	Color 6	88	89	Color 44	164	165	Color 82
14	15	Color 7	90	91	Color 45	166	167	Color 83
16	17	Color 8	92	93	Color 46	168	169	Color 84
18	19	Color 9	94	95	Color 47	170	171	Color 85
20	21	Color 10	96	97	Color 48	172	173	Color 86
22	23	Color 11	98	99	Color 49	174	175	Color 87
24	25	Color 12	100	101	Color 50	176	177	Color 88
26	27	Color 13	102	103	Color 51	178	179	Color 89
28	29	Color 14	104	105	Color 52	180	181	Blackout
30	31	Color 15	106	107	Color 53	182	183	Color 90
32	33	Color 16	108	109	Color 54	184	185	Color 91
34	35	Color 17	110	111	Color 55	186	187	Color 92
36	37	Color 18	112	113	Color 56	188	189	Color 93
38	39	Color 19	114	115	Color 57	190	191	Color 94
40	41	Color 20	116	117	Color 58	192	193	Color 95
42	43	Color 21	118	119	Color 59	194	195	Color 96
44	45	Color 22	120	121	Color 60	196	197	Color 97
46	47	Color 23	122	123	Color 61	198	199	Color 98
48	49	Color 24	124	125	Color 62	200	201	Color 99
50	51	Color 25	126	127	Color 63	202	203	Color 100
52	53	Color 26	128	129	Color 64	204	205	Color 101
54	55	Color 27	130	131	Color 65	206	207	Color 102
56	57	Color 28	132	133	Color 66	208	209	Color 103
58	59	Color 29	134	135	Color 67	210	211	Color 104
60	61	Color 30	136	137	Color 68	212	213	Color 105
62	63	Color 31	138	139	Color 69	214	215	Color 106
64	65	Color 32	140	141	Color 70	216	217	Color 107
66	67	Color 33	142	143	Color 71	218	219	Color 108
68	69	Color 34	144	145	Color 72	220	221	Color 109
70	71	Color 35	146	147	Color 73	222	223	Color 110
72	73	Color 36	148	149	Color 74	224	255	Blackout
74	75	Color 37	150	151	Color 75			
76	77	Color 38	152	153	Color 76			

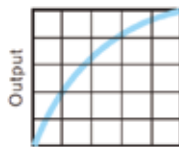
DIMMER CURVE



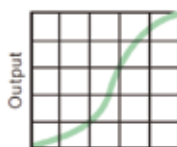
DMX %
LINEAR



DMX %
SQUARE LAW

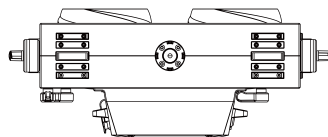
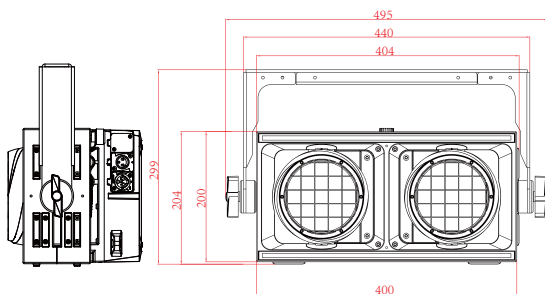


DMX %
INVERSE SQUARE LAW

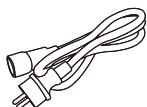


DMX %
S-CURVE

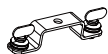
MECHANICAL SPECIFICATION



ACCESSORY



Power cable



Fast lock

OPTIONAL ACCESSORIES



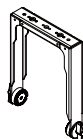
Halogen lens



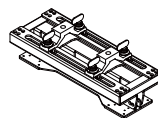
Frosted lens



Fresnel lens



Yoke



Rigging Backet

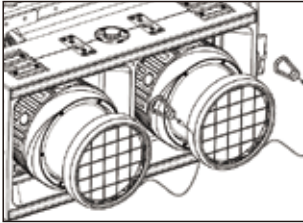
RDM

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		√	
CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√
“√”-executable command; “x”-to-be-updated command			

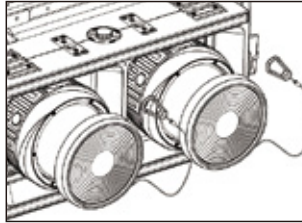
INSTALLATION

1. Customize your setup with various accessories to achieve diverse lighting effects and installation configurations. Options include:

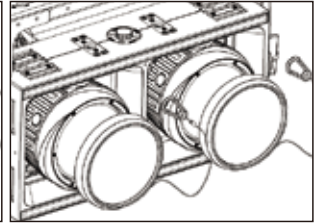
- *Magnetic Lens Optional (Halogen lens/Fresnel lens/Frosted lens)*



Halogen lens



Fresnel lens



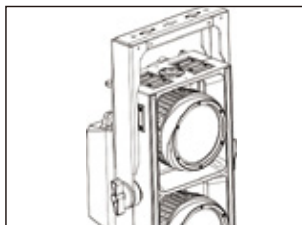
Frosted lens

Replace lenses effortlessly to achieve diverse lighting effects without tools. The magnetic connection between the lens and the pre-installed magnets inside the fixture ensures a secure and stable attachment.

- *Bracket & Yoke*



Bracket



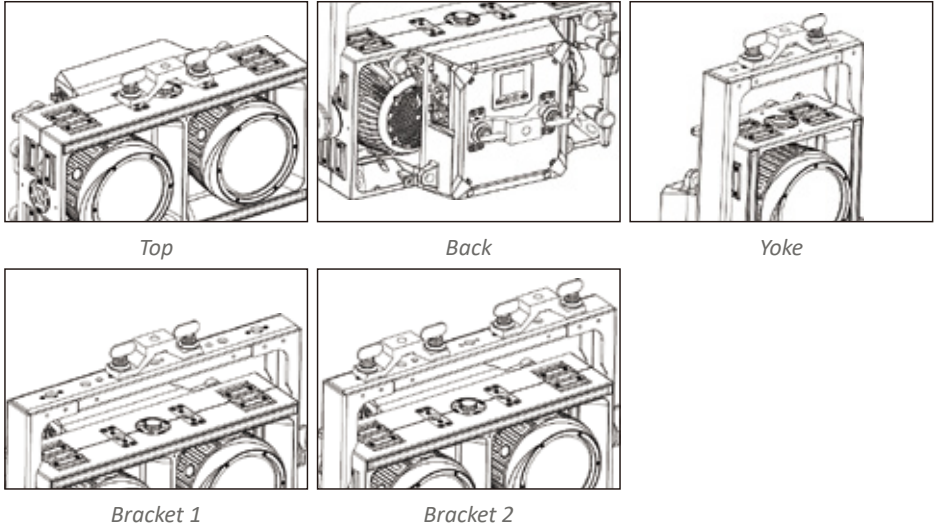
Yoke

The bracket and yoke provides accommodates diverse installation orientations and ensures quick, tool-free setup.

2.D-BOLT C may be installed in any orientation. Our product provides several options:

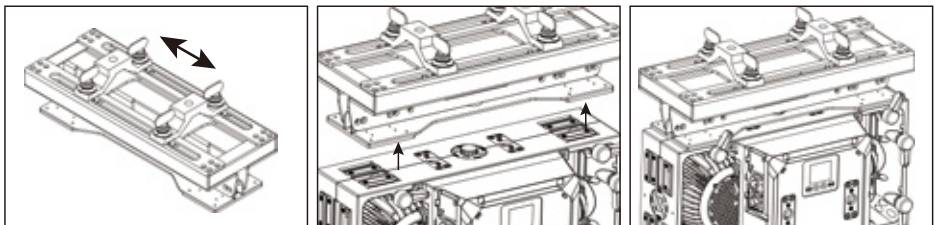
HANGING

- *Multiple mounting point for fast lock*



Align the quick lock with the mounting hole on the on top, rear side or handle. Insert it into the hole and tighten to complete installation.

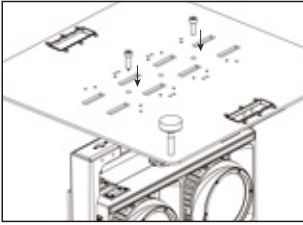
- *Rigging Bracket*



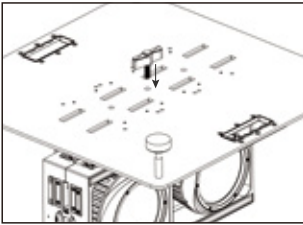
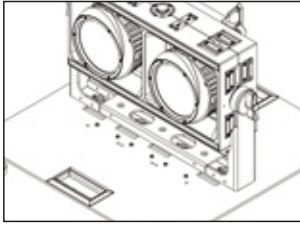
Enables seamless multi-unit connections for D-BOLT C fixtures. Adjustable sliding mounting positions eliminate gaps caused by truss.

STANDING

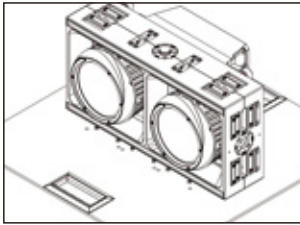
● AP03 Base



M8 internal threads

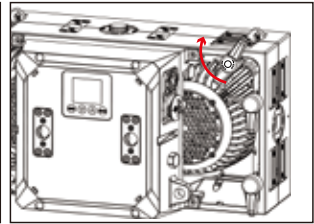
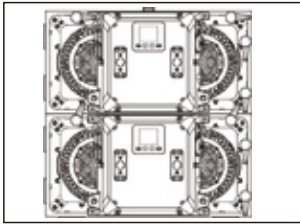
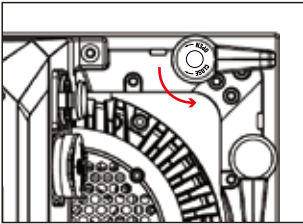


Removing the handle



Combine with D-BOLT C to create vertical structures. Install in any orientation. The AP03 base can be attached with the carrying handle, utilizing its M8 internal threads to secure the fixture to the base, or installed directly by removing the handle.

SPLICING



Before splicing the fixtures, rotate the C-lock counterclockwise to its end position. The C-lock connector contains built-in magnets for pre-installation alignment. After positioning, rotate the C-lock clockwise to its final position to secure the connection.

- *Magnetic splicing, not need any tools*

