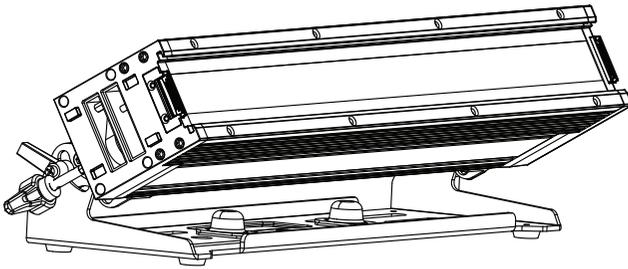


# User Manual



## LUNAR BAR

RGBL

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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.*

## 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 Lunar Bar
- 1x Adapter(18V/5A)
- 1x Power cable

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

## 2. Control Functions

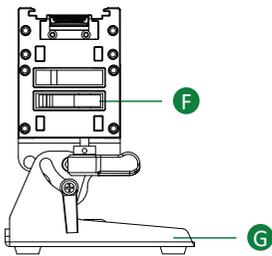
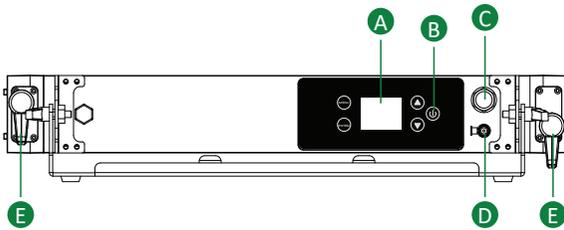
- 3/4/8/12/16/17/17D/32/41CH
- Master&Slave mode
- CRMX Wireless DMX(optional)
- VISION APP(optional)

## 3. Features

- Light Source: Main Led Panel:32\*8W RGBL
- Native beam angle(s):30°
- Initial field of view (spot angle):110°
- Power consumption: 65W
- Battery working time @ full light:3-4H
- Battery working time @ auto:7H
- Battery charging time:10H
- DC Input 18V/5A
- Light output all LEDs on: 3452 LM
- Illuminance Lux @ 2m:1171 lx
- Illuminance Lux @ 5m:187lx
- Illuminance Lux @ 8m:73 lx
- Illuminance Lux @ 10m:49 lx
- Run Mode: DMX 512 /Master Slave/Auto Run
- Wireless DMX from Sweden
- 10 internal programs and 10 customerize programs
- 4 different dimming curve
- Strobe:0 - 20Hz adjustable
- Tilt:0-90°
- Pixel control: 8 Sections
- IP65
- Temperature: -40°C~45°C
- N.W: 4.4 KG
- Dimensions: 516 x 130 x 167mm

# INSTALLATION&SETUP

## 1. Connections



A: LCD Screen

B: Power switch

C: Wireless

D: DC Input

E: Knob

F: Double locking system

G: Stand 0-90°

# OPERATION

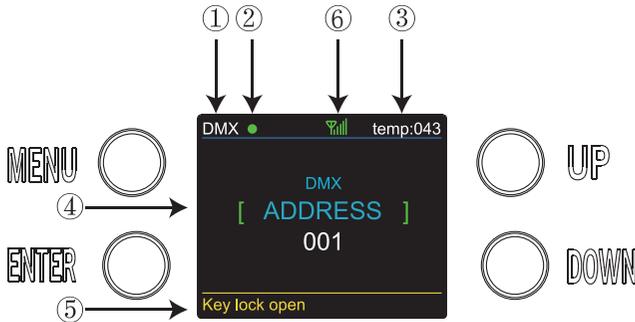
## 1. Control Display

 LCD Touch Screen

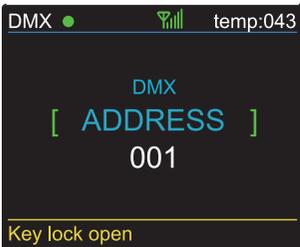
  Press arrows to scroll up and down inside the menu and change values, such as DMX address

 Press ENTER to access theselection menu for system settings or confirm changes

## 2. Displayer Introduction



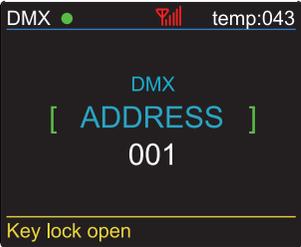
1. When you enter DMX Mode, it will be showed DMX, when you enter SLAVE Mode, it will be showed SLAVE.
2. This shows the condition of signal transmission. Green is connected. Red is disconnected.
3. This shows the temperature of the lights.
4. This shows the menus you can select.
5. This shows the condition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



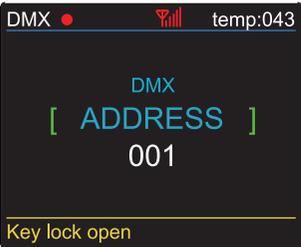
While DMX and Wireless signal are green, it means DMX Mode and Wireless are connected.



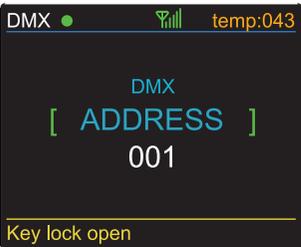
While DMX shows red but Wireless signal shows green, it means DMX Mode is disconnected and Wireless is connected.



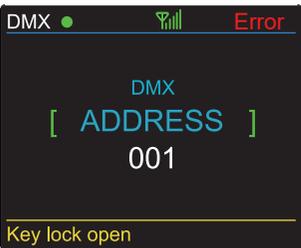
While DMX shows green but Wireless signal shows red, it means DMX Mode is connected and Wireless is disconnected.



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

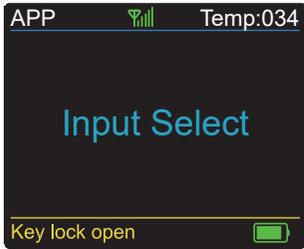


While the letters and number show change from white to yellow, it means the temperature is beyond the maximum temperature of default settings.

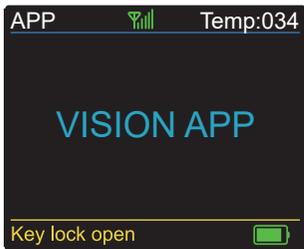


While the letters and number show Error, it means there are some problems with the temperature.

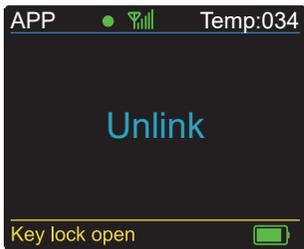
### 3.APP Control operating method



When the lamp is turned on, press the up or down button, find the Input Select option, and click enter



Click Enter to enter the VISION APP interface, and then click Enter



Click Enter to enter the Unlink interface, and then click Enter

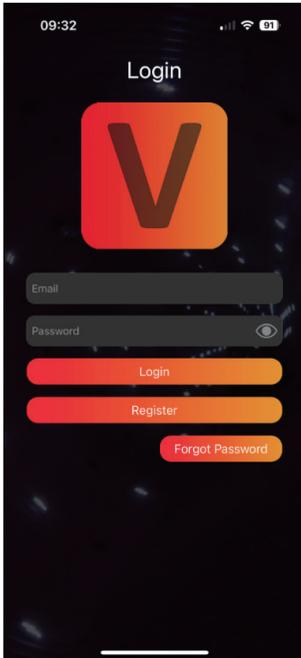
#### 4.App Download

Turn on the scanning function of the phone and scan the corresponding QR code to download the Vision control APP for use.

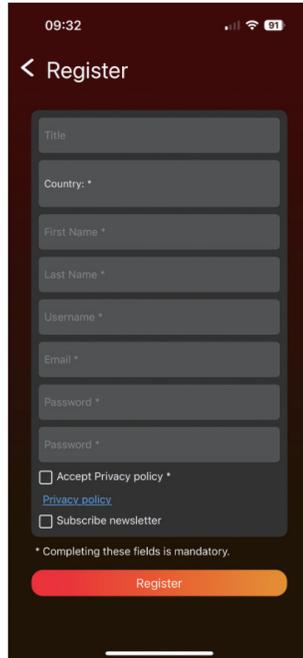
 <p><b>App Store</b></p>	
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 <p><b>Google Play</b></p>	
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 <p><b>Microsoft</b></p>	
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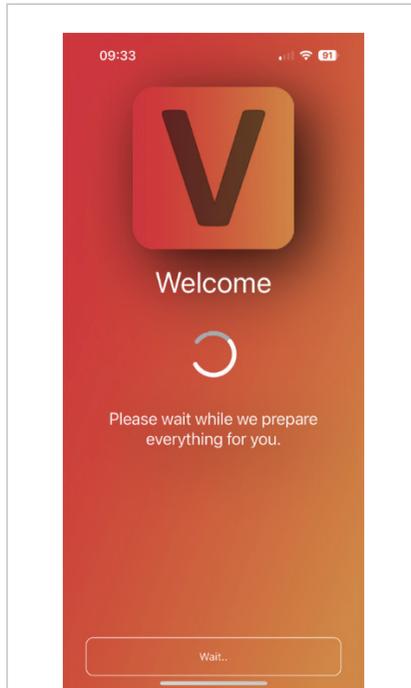


1. Log into the Google play store on your phone, search for Vision Control, and click Download to install.
2. Click the Vision APP to enter the login screen.



3. Click the Register button to enter the registration screen
  - 1) Fill in all the contents on the registration page and click the registration button to submit information.
  - 2) Then check your email for confirmation.
  - 3) Click on the confirmation link provided in the email. After clicking the confirmation link, a success message will be displayed on the website. If you click the link a second time, an error message may appear; you can safely ignore it, as the confirmation was successful the first time.
  - 4) Return to the Vision App and use your registered email and password to log in.

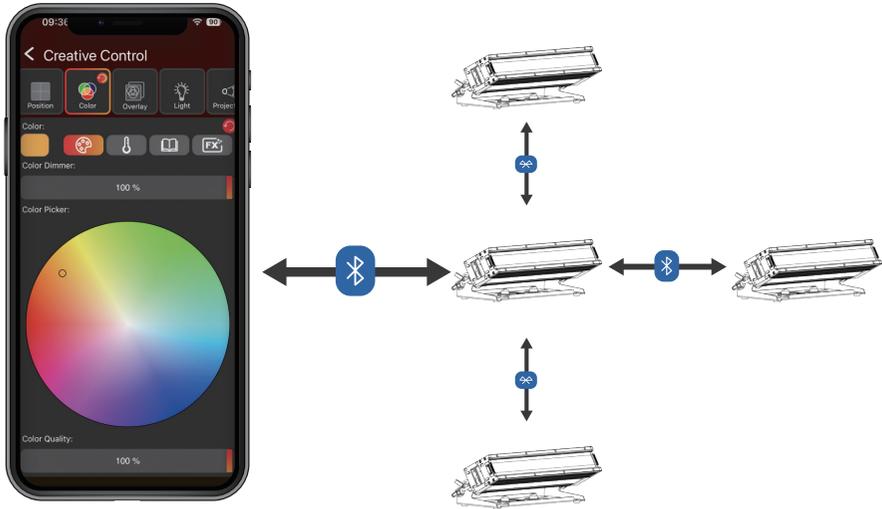
Note: For security reasons, it is recommended to keep your login credentials confidential.



The application is being prepared and the process may take some time. If there is no Internet connection at this stage, the application will not launch. Because it requires library information, it is not available without the Internet. Click "Next" to proceed.

- 1) Grant permission for Bluetooth by clicking "Request".
- 2) A popup will open; click "Ok".
- 3) Finally, click "Start".

## 5.Mesh Networking



### **EASY INTERACTION WITH YOUR FIXTURE:**

NFC support included

### **EFFORLESS FIXTURE SETUP PROCESS:**

No knowledge of DMX/RDM required

### **LARGE EFFECT TEMPLATE LIBRARY:**

Smooth background-Fast party effects

### **CONNECT TO YOUR NETWORK:**

No separate gateway required

### **FIXTURE TO FIXTURES COMMUNICATION:**

Creating a powerful and robust network without range limitations

### **SYNCHRONIZED & FIXTURE TO FIXTURE**

#### **EFFECTS:**

Seamless Transition

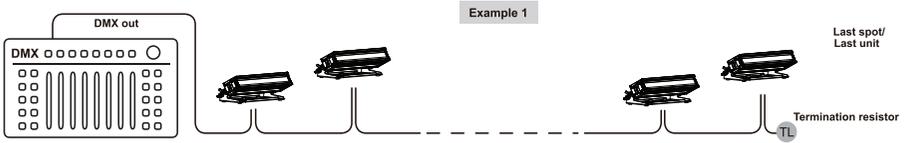
### **REAL TIME CONTROL:**

Control your fixtures without delay

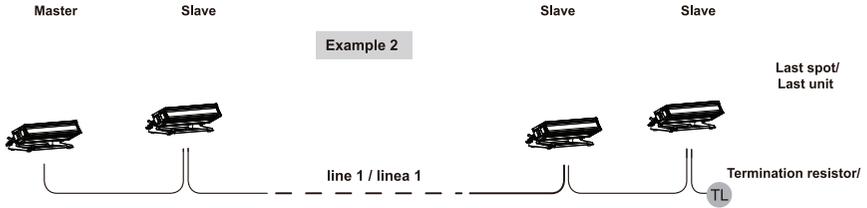
### **ACCESSIBILITY FROM ANYWHERE:**

Cloud synchronization for app & Fixture data

## 6. DMX connection



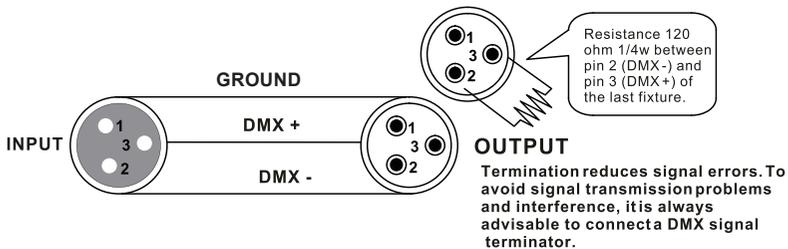
## 7. Master / Slave connection



## 8. 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.

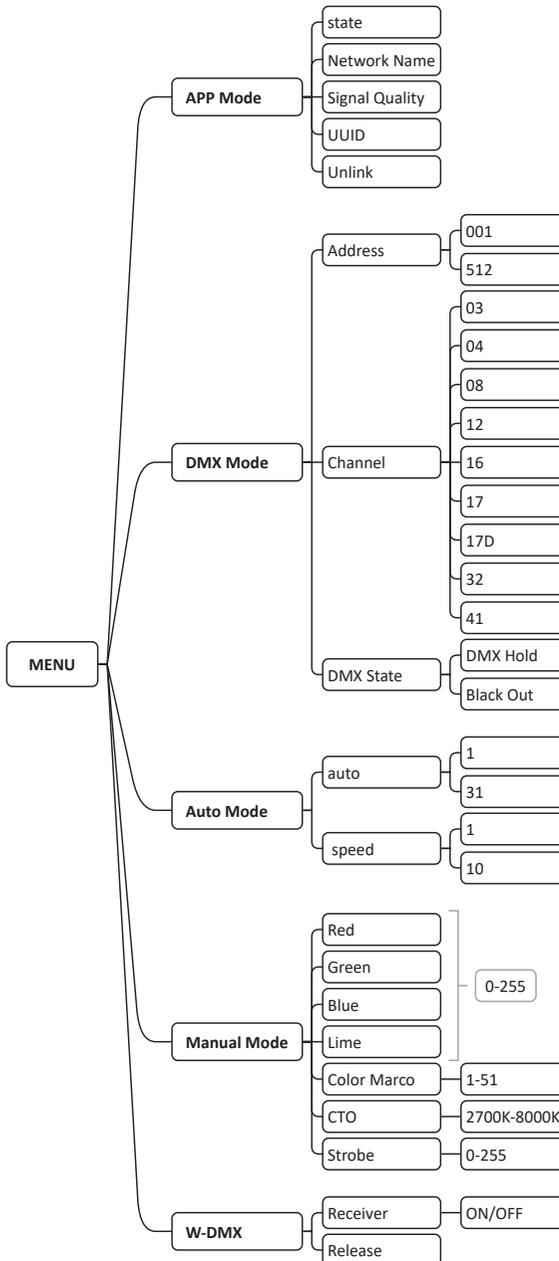
### 3-PIN TO 5-PIN CONVERSION CHART

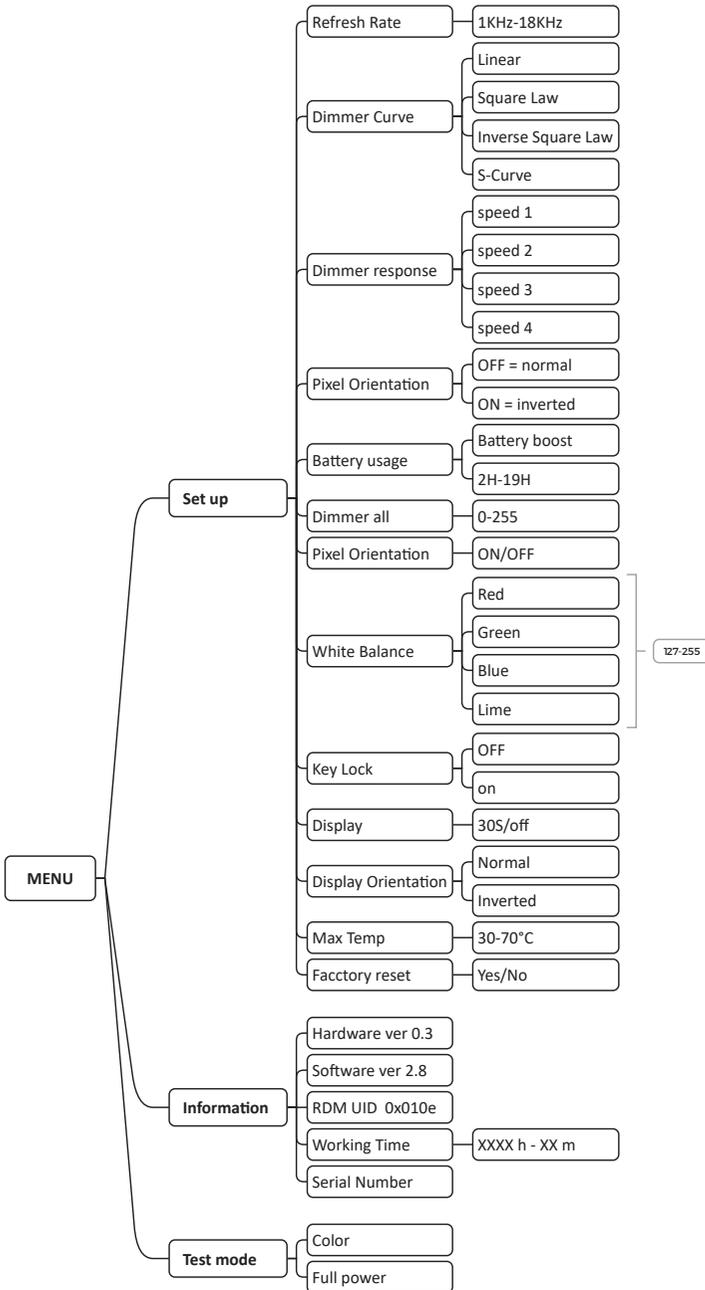
Please note if you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

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





**APP Mode-**In this menu, you can use APP control function via a Bluetooth connection to your phone.

1. Press "ENTER" button and then UP or DOWN button , then you can see five items as below:

- 1)state-This item displays the APP connection status.
- 2)Network Name -This item displays the network Name.
- 3)Signal Quality-This item displays the signal Quality.
- 4)UUID -This item displays the UUID
- 5)Unlink- Press "ENTER" button, and "unlink" will be showed.Then will showed confirm after click enter and click enter again.

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

1.DMX Address- "xxx" will be showed, "x" represents the showed address. You can press the UP or DOWN button to select yourdesired address.

2.DMX Channel-"Channel [xx]" will be showed, "X" represents the showed DMX channel" mode. You can press the UP or DOWN button to select your desired Channel mode.

3.DMX State-Press "ENTER" button, and there will be two options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as follow:

- 1)DMX HOLD – You can keep the DMX mode;
- 2)BLACKOUT - You can blackout the DMX mode so that you can set other mode you desired.

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

1. Press "ENTER" button and then UP or DOWN button until "AUTO" is showed.

2. Press "ENTER" button, and "SPEED" or "AUTO MODE" will be showed. Then press ENTER, and you can see two items as below:

- 1) AUTO - You can select your desired auto mode(1-31) in this menu.
- 2) SPEED - You can select your desired speed(1-10) in this menu.

**MANUAL MODE –** In this menu, you can adjust the value of static color and strobe speed as you like.

1. Press "ENTER" button and then UP or DOWN button until "MANUAL MODE" is showed.

2. Press "ENTER" button, and there will be five options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as follow:

- 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)LIME-You can adjust the lime brightness in this menu.
- 5)Color Marco-You can adjust the color marco in this menu.
- 6)CTO-You can adjust the color temperature in this menu.Press"ENTER"button,and ,you can adjust the color temperature from 2700k to 8000k.
- 7) STROBE - You can adjust the strobe speed in this menu.

**W-DMX –** In this menu,you can receive or clear wireless signals.

1.Press "ENTER" button and then UP or DOWN button until "Wireless" is showed.

2.Press "ENTER" button,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."SUCCEESS" will be displayed when the wireless signal is successfully cleared

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

1. Press "ENTER" button and then "UP" or "DOWN" button until "SET UP" is showed.

2. Press "ENTER" button, and there will be ten options. Then, press "ENTER" to select the option and press "UP" or "DOWN" button to select the value you desire as below.

- 1) Refresh Rate-You can select the refresh rate from 1KHz to 18K Hz
- 2) DMX CURVE - You can set the DMX CURVE of lights.
- 3) Dimmer Response--You can adjust the dimmer speed value in this menu.
- 4) Pixel Orientation-You can set the pixel orientation.
- 5) Battery Usage-You can set the battery usage time.
- 6) WhiteBalance-You can adjust the value of "Red", "Green", "Blue", "Lime".
- 7) Key Lock - In this item, you can set the key lock function. The password is [UP] [DOWN] [UP] [DOWN] . "off" represents the key lock function is off. And you do not need to input the password before the operation. "on" represents the key lock function is on. And you need to input the password before the Operation.
- 8) Display-You can adjust the display time.
- 9) Display Orientation-You can adjust the displayOrientation.
- 10) Max temp -You can set the your desired Max working temperature about the light in this menu. When the working temperature of the light exceeds the Max temperature, the color of letter "Temp xx" showed in the menu will change from white to yellow. Meanwhile, the light will adjust the working temperature automatically.
- 11) Factory Reset-You can reset all the value of the system. Press the ENTER button to reset all the value of the system.

**INFORMATION**-In this menu, you can learn about the information of software, hardware and the working time of the light.

1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.
2. Press "ENTER" button, and "Software" "Hardware" or "Fix times" will be showed. Then press ENTER, and you can see five items as below:
  - 1) Hardware ver-This item displays the Hardware information.
  - 2) Software ver-This item displays the Software information.
  - 3) RDM UID-This item displays the RDM UID number of the light.
  - 4) Working times-This item displays the total working hours of the light.
  - 5) Serial num-This item displays the Serial number of the light.

**TEST Mode**--In this menu, you can choose color and full power.

## DMX CONTROL MODE

3 CHANNELS		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Color marco (1-51)
3	000 - 255	11 White (2700K-8000K)

4 CHANNELS		
Channel	Value	Function
1	000 - 255	RED
2	000 - 255	GREEN
3	000 - 255	BLUE
4	000 - 255	Lemon

8 CHANNELS		
Channel	Value	Function
1	000 - 255	RED
2	000 - 255	Red fine
3	000 - 255	GREEN
4	000 - 255	Green fine
5	000 - 255	BLUE
6	000 - 255	Blue fine
7	000 - 255	Lemon
8	000 - 255	Lemon fine

12 CHANNEL		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Fine dimmer
3	000 - 019	Shutter close
	020 - 024	Shutter open
	025 - 064	Strobe 1 (fast to slow)
	065 - 069	Shutter open
	070 - 084	Strobe 2:opening pulse (fast to slow)
	085 - 089	Shutter open
	090 - 104	Strobe 3:closing pulse (fast to slow)
	105 - 109	Shutter open
	110 - 124	Strobe 4:random strobe (fast to slow)
	125 - 129	Shutter open
	130 - 144	Strobe 5:random opening pulse (fast to slow)
	145 - 149	Shutter open
	150 - 164	Strobe 6:random closing pulse (fast to slow)
	165 - 169	Shutter open
	170 - 184	Strobe 7:burst pulse (fast to slow)
	185 - 189	Shutter open
	190 - 204	Strobe 8:random burst pulse (fast to slow)
205 - 209	Shutter open	
210 - 224	Strobe 9: sine wave(fast to slow)	
225 - 229	Shutter open	
230 - 244	Strobe 10: burst(fast to slow)	
245 - 255	Shutter open	
4	000 - 255	RED
5	000 - 255	GREEN
6	000 - 255	BLUE
7	000 - 255	Lemon
8	000 - 255	Dimmer curve
9	000 - 255	Dimmer speed
10	000 - 255	Auto
11	000 - 255	Auto speed
12	000 - 255	Fade

17 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Fine dimmer
3	000 - 255	Function set
4	000 - 255	Shutter
5	000 - 255	Red
6	000 - 255	Red fine
7	000 - 255	Green
8	000 - 255	Green fine
9	000 - 255	Blue
10	000 - 255	Blue fine
11	000 - 255	Lemon
12	000 - 255	Lemon fine
13	000 - 215	Color marco 0-51
	216 - 255	White (2700K-8000K)
14	000 - 255	Dimmer speed
15	000 - 255	Auto
16	000 - 255	Auto speed
17	000 - 255	Fade

17D CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Function set
3	000 - 019	Shutter close
	020 - 024	Shutter open
	025 - 064	Strobe 1 (fast to slow)
	065 - 069	Shutter open
	070 - 084	Strobe 2:opening pulse (fast to slow)
	085 - 089	Shutter open
	090 - 104	Strobe 3:closing pulse (fast to slow)
	105 - 109	Shutter open
	110 - 124	Strobe 4:random strobe (fast to slow)
	125 - 129	Shutter open
	130 - 144	Strobe 5:random opening pulse (fast to slow)
	145 - 149	Shutter open
	150 - 164	Strobe 6:random closing pulse (fast to slow)
	165 - 169	Shutter open
	170 - 184	Strobe 7:burst pulse (fast to slow)
	185 - 189	Shutter open
	190 - 204	Strobe 8:random burst pulse (fast to slow)
	205 - 209	Shutter open
	210 - 224	Strobe 9: sine wave(fast to slow)
	225 - 229	Shutter open
230 - 244	Strobe 10: burst(fast to slow)	
245 - 255	Shutter open	

4	000 - 255	Red
5	000 - 255	Green
6	000 - 255	Blue
7	000 - 255	Lemon
8	000 - 255	Color marco 0-51
	000 - 255	White (2700K-8000K)
9	000 - 255	Dimmer speed
10	000 - 255	LED 1 dimmer
11	000 - 255	LED 2 dimmer
12	000 - 255	LED 3 dimmer
13	000 - 255	LED 4 dimmer
14	000 - 255	LED 5 dimmer
15	000 - 255	LED 6 dimmer
16	000 - 255	LED 7 dimmer
17	000 - 255	LED 8 dimmer

16 CHANNELS		
Channel	Value	Function
1	000 - 255	LED 1-2 Red
2	000 - 255	LED 1-2 Green
3	000 - 255	LED 1-2 Blue
4	000 - 255	LED 1-2 Lemon
5	000 - 255	LED 3-4 Red
6	000 - 255	LED 3-4 Green
7	000 - 255	LED 3-4 Blue
8	000 - 255	LED 3-4 Lemon
9	000 - 255	LED 5-6 Red
10	000 - 255	LED 5-6 Green
11	000 - 255	LED 5-6 Blue
12	000 - 255	LED 5-6 Lemon
13	000 - 255	LED 7-8 Red
14	000 - 255	LED 7-8 Green
15	000 - 255	LED 7-8 Blue
16	000 - 255	LED 7-8 Lemon

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

41 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Fine dimmer
3	000 - 255	Function set
4	000 - 019	Shutter close
	020 - 024	Shutter open
	025 - 064	Strobe 1 (fast to slow)
	065 - 069	Shutter open
	070 - 084	Strobe 2:opening pulse (fast to slow)
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	185 - 189	Shutter open
	190 - 204	Strobe 8:random burst pulse (fast to slow)
	205 - 209	Shutter open
	210 - 224	Strobe 9: sine wave(fast to slow)
	225 - 229	Shutter open
230 - 244	Strobe 10: burst(fast to slow)	
245 - 255	Shutter open	
5	000 - 255	LED 1 Red
6	000 - 255	LED 1 Green
7	000 - 255	LED 1 Blue
8	000 - 255	LED 1 Lemon
9	000 - 255	LED 2 Red
10	000 - 255	LED 2 Green
11	000 - 255	LED 2 Blue
12	000 - 255	LED 2 Lemon
13	000 - 255	LED 3 Red
14	000 - 255	LED 3 Green
15	000 - 255	LED 3 Blue
16	000 - 255	LED 3 Lemon
17	000 - 255	LED 4 Red
18	000 - 255	LED 4 Green
19	000 - 255	LED 4 Blue
20	000 - 255	LED 4 Lemon
21	000 - 255	LED 5 Red
22	000 - 255	LED 5 Green
23	000 - 255	LED 5 Blue
24	000 - 255	LED 5 Lemon
25	000 - 255	LED 6 Red

26	000 - 255	LED 6 Green
27	000 - 255	LED 6 Blue
28	000 - 255	LED 6 Lemon
29	000 - 255	LED 7 Red
30	000 - 255	LED 7 Green
31	000 - 255	LED 7 Blue
32	000 - 255	LED 7 Lemon
33	000 - 255	LED 8 Red
34	000 - 255	LED 8 Green
35	000 - 255	LED 8 Blue
36	000 - 255	LED 8 Lemon
37	000 - 255	Dimmer speed
38	000 - 255	Color marco
	000 - 255	White (2700K-8000K)
39	000 - 255	Auto
40	000 - 255	Auto speed
41	000 - 255	Fade

## DMX CONTROL SHEET

Function set			
000 - 044	No function	140 - 144	16KHzrefresh rate
045 - 049	Pixel on	145 - 149	7KHzrefresh rate
050 - 054	Pixel off	150 - 154	8KHzrefresh rate
055 - 059	Dimmer curve Linear	155 - 159	9KHzrefresh rate
060 - 064	Dimmer curve Square Law	160 - 164	10KHzrefresh rate
065 - 069	Dimmer curve inverse Square Law	165 - 169	11KHzrefresh rate
070 - 074	Dimmer curve S-Curve	170 - 174	12KHzrefresh rate
075 - 089	No function	175 - 179	13KHzrefresh rate
090 - 094	Calibrated color output mode - COLOR CALIB = On	180 - 184	14KHzrefresh rate
095 - 099	Raw color ouput mode - COLOR CALIB = OFF	185 - 189	15KHzrefresh rate
100 - 114	No function	190 - 194	16KHzrefresh rate
115 - 119	1KHzrefresh rate	195 - 199	17KHzrefresh rate
120 - 124	2KHzrefresh rate	200 - 204	18KHzrefresh rate
125 - 129	3KHzrefresh rate	205 - 249	No function
130 - 134	4KHzrefresh rate	250 - 255	lluminate display
135 - 139	5KHzrefresh rate		

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

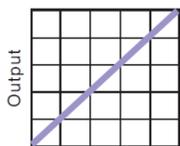
CTO		
8	29	2700K
30	51	3200K
52	73	3500K
74	95	4000K
96	117	4500K
118	139	5000K
140	161	5600K
162	183	6000K
184	205	6500K
206	227	7000K
228	249	7500K
250	255	8000K

Dimmer speed		
0	49	No function
50	99	Dimmer speed 1
100	149	Dimmer speed 2
150	199	Dimmer speed 3
200	255	Dimmer speed 4

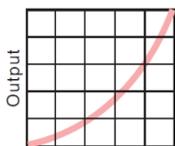
216-255 White (2700K-8000K)		
216	218	2700K
219	221	3200K
222	224	3500K
225	227	4000K
228	230	4500K
231	233	5000K
234	236	5600K
237	239	6000K
240	242	6500K
243	245	7000K
246	248	7500K
249	255	8000K

Auto 1-31					
6	13	Auto 1	126	133	Auto 16
14	21	Auto 2	134	141	Auto 17
22	29	Auto 3	142	149	Auto 18
30	37	Auto 4	150	157	Auto 19
38	45	Auto 5	158	165	Auto 20
46	53	Auto 6	166	173	Auto 21
54	61	Auto 7	174	181	Auto 22
62	69	Auto 8	182	189	Auto 23
70	77	Auto 9	190	197	Auto 24
78	85	Auto 10	198	205	Auto 25
86	93	Auto 11	206	213	Auto 26
94	101	Auto 12	214	221	Auto 27
102	109	Auto 13	222	229	Auto 28
110	117	Auto 14	230	237	Auto 29
118	125	Auto 15	238	245	Auto 30
			246	255	Auto 31

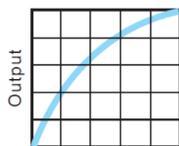
## DIMMER CURVE



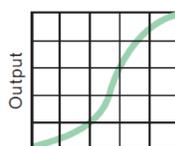
DMX %  
LINEAR



DMX %  
SQUARE LAW

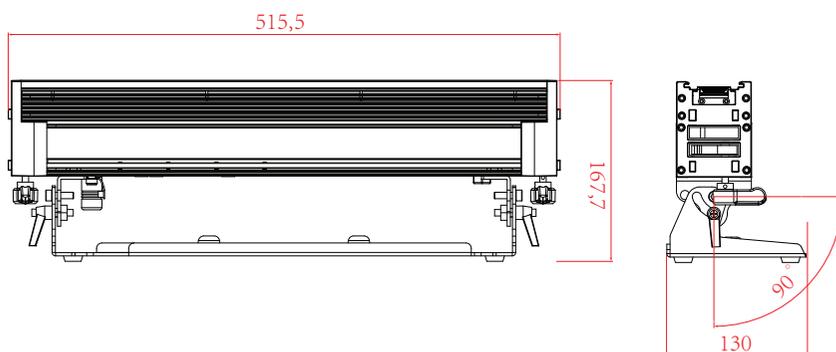


DMX %  
INVERSE SQUARE LAW

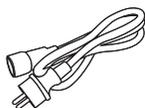


DMX %  
S-CURVE

## MECHANICAL SPECIFICATION



## ACCESSORY



Power cable



Fast lock

## OPTIONAL ACCESSORIES

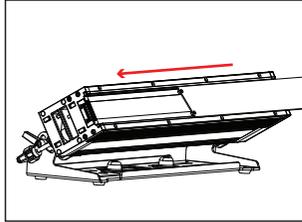
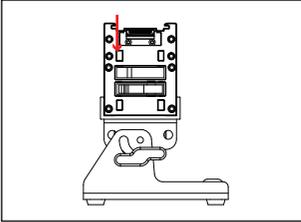


Frost filter

# INSTALLATION

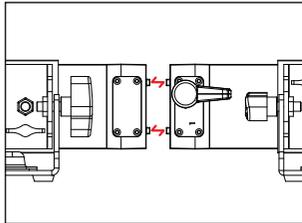
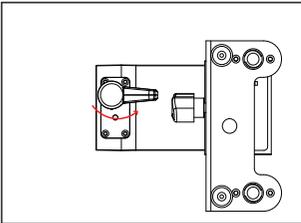
1. Customize your setup with various accessories to achieve diverse lighting effects and installation configurations. Options include:

- *Slide-in Frost Filter*

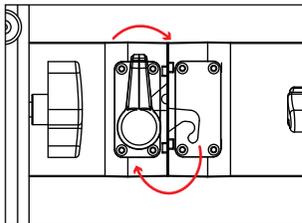
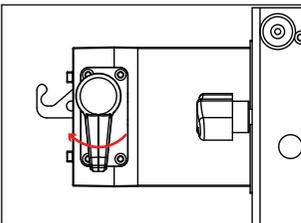


Press the mechanisms on the sides of the end cover. Slide the frost filter into position. Release the mechanisms to lock the frost filter.

# SPLICING



1. Before connecting, rotate the hook fully counterclockwise to the end positions.
2. Use the positioning blocks to align both ends of the fixtures.



3. Insert the connecting pin into the hole of one end cap. Rotate the C-lock clockwise to secure it.
4. Insert the opposite end of the pin into the hole of the other end cap. Rotate that C-lock clockwise to complete the connection.

## RDM---Remote Device Management

RDM is a wild version of the DMX512-A protocol, allowing dimming stations and other control devices to be discovered through a DMX512 network, and then configuring, status monitoring, and managing intermediate and line end devices.

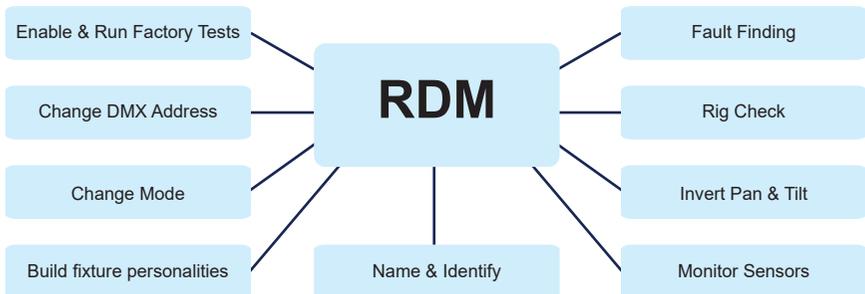
It allows two-way communication between the lighting device or system controller and the connected RDM compatible device through the standard DMX. This protocol will allow these devices to be configured, monitored, and managed in a manner that does not interfere with the normal operation of standard DMX512 devices that do not recognize the RDM protocol.

Allow a controller or test device to find other devices that can be RDM, such as computer lights or dimming cabinets, and remotely manage them through this connection intelligence. Including the ability to remotely set the initial address of the DMX512, query the device's errors or statistics, and achieve most of the configuration settings that are usually done on the front panel of the device. RDM can run with the new RDM device or any original DMX512 product on the same data link without any performance impact. Since RDM runs on the first team DMX512 link, the only infrastructure upgrade required by RDM is to upgrade the existing data distributor to implement a two-way mode to support RDM.

The RDM information is transmitted through the first pair of DMX512 data channels. RDM uses packets that include non-zero initial codes to start and control communications. This alternating(rotating) session and waiting for indicative responses is performed in a semi-duplex format. The second data pair is not used for any RDM function.

Two-way data transmission-each vendor's equipment can exchange data, Art-net can only transmit data, can not exchange with each other.

***Its functions are as followed:***



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		√	√