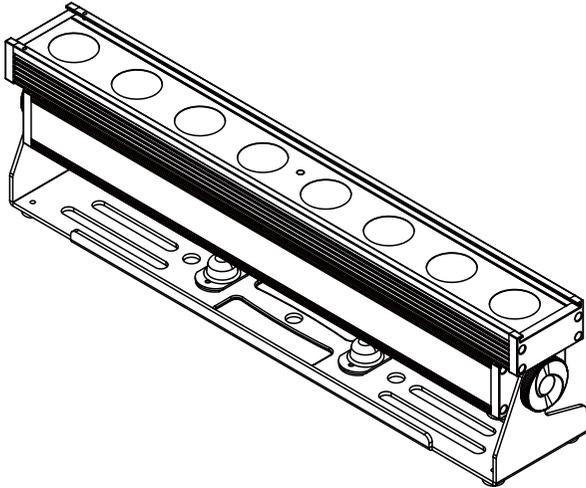# BATBAR810LIP

8x10W RGBW Battery Bar LED

# USER MANUAL

## Introduction

**Packaging:**Thanks for your purchasing the BATBAR810LIP. All the lights have been checked and are in excellent operating condition. Please check the shipping carton first,because there may be damage occurred during the shipment.Then check the lights carefully and be sure that the lights is intact and works normally.In the event damage has been found, spare parts are missing or the lights works abnormally,please contact us for further instructions. And please don't return the lights to the dealer before contacting us.

**Introduction:**The BATBAR810LIP has three operating modes:DMX mode, Auto mode and Master/Slave mode.And the lights has five DMX modes,including channel 3,channel 8 , channel 12, channel 32 and channel 37.
In addition, you can connect several pieces of lights in DMX mode and set one in Auto mode, and the others in Master/Slave mode.And then all the lights in Master/Slave mode will run following the one in Auto mode.Using fog or special effect smoke,you can see better showing effect.

*S AFETY AND  H ANDLING*
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.

•The exterior surfaces of the light can become hot, up to 70°C during normal operation.
•Ensure that accidental physical contact with the device is impossible.
• Install only in ventilated locations.
•Do not cover the light.

LI-ION Battery:  A rechargeable lithium ion battery is built into this unit.
•Only authorized personal may service the battery.
•Do not place in fire or heat.
•Do not use or charge the light if it is damaged.
•Avoid bumping or plunging, it may cause fire or explosion.
•Never store the battery when fully drained.
•Always recharge immediately when empty.
•Make sure to fully charge all units before storing them.
• Partially charged batteries will lose capacity.
•The battery may only be replaced with an original spare part.

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

•The light contains a lithium ion battery.
•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.

## Troubleshooting

**The fixture does not turn on.**
The battery may be empty. Connect it to the power cable and try again.

**The fixture turns on and the display is on, but the LEDs do not emit light.**
The fixture could be set to BLACKOUT mode, set to is DMX Hold and doesn't receive a valid signal. It is good practice to do a Factory Reset.

**The fixture is not working correctly - it does not display the color or effect chosen.**
The fixture may still be operating under a previous setting. It is good practice to do a Factory Reset.

**After completing a RESET SETTINGS, the fixture still cannot be controlled.**
Please turn off the light and turn on again,if cannot be controlled, too, please consult authorized personal.

**The fixture does not run long enough on battery.**
The required RUNTIME can be set. It defaults to several hours. To achieve a greater battery runtime, set the RUNTIME to the required value. Alternatively, program the fixture to only display colors that use less power, such as Red, Green, Blue and White.
If the runtime is still too short, consider that it is reduced slightly if the battery is very cold.

**The power cable is connected but the fixture is not charging.**
The battery may be fully charged. Please read our user manual for more details. The fixture will only commence charging when its battery has a temperature of 45° or less. Turn the fixture off and let it cool down; once cold enough, it will start charging. If it still not charging, please consult authorized personal.

# Mechanical Specification



Menu
Up
Switch

Power in

Enter
Down

TFT displayer

4
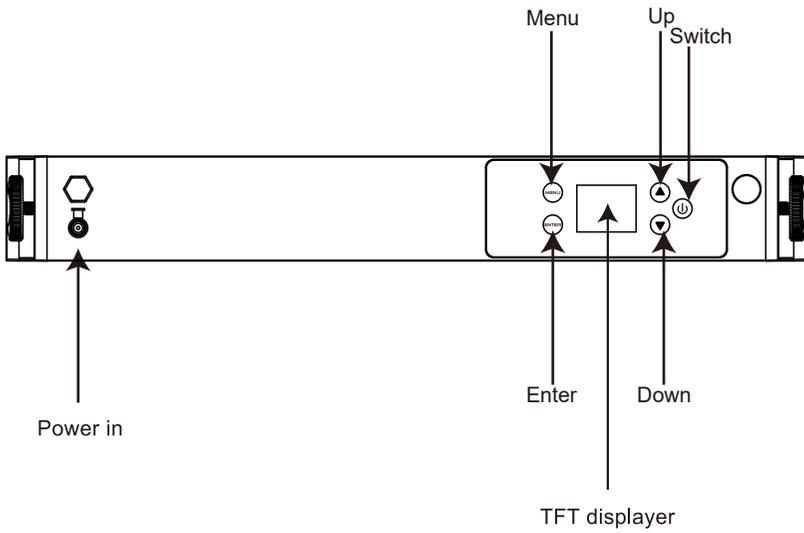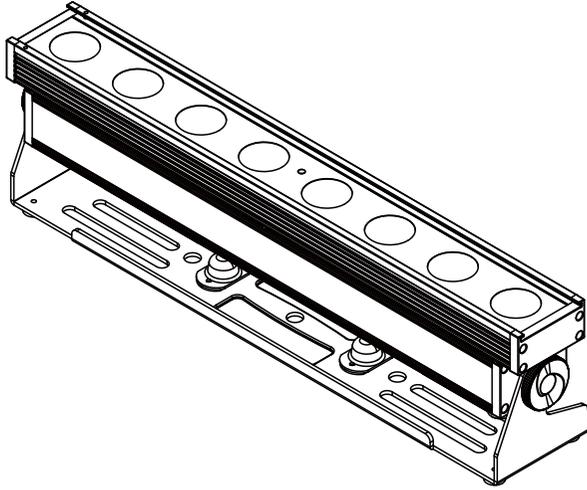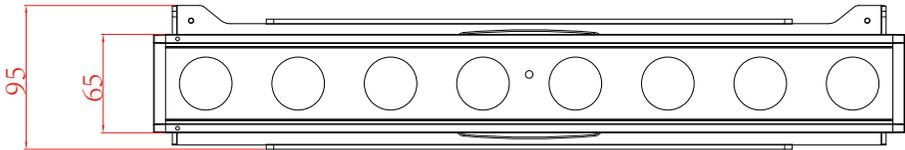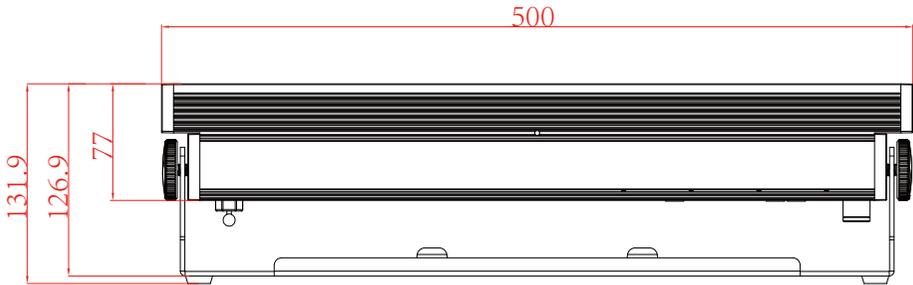
## Package Contents

● 1 x Power cable
● 1 x Power adapter
● 1 x User manual
● 1 x Fast lock



User manual
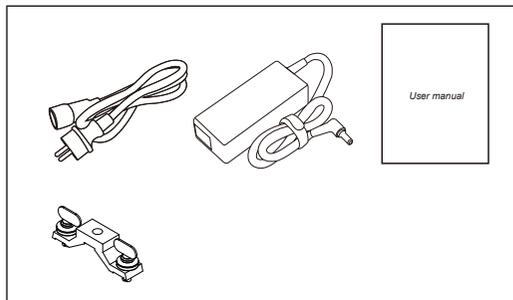
## Displayer Introduction
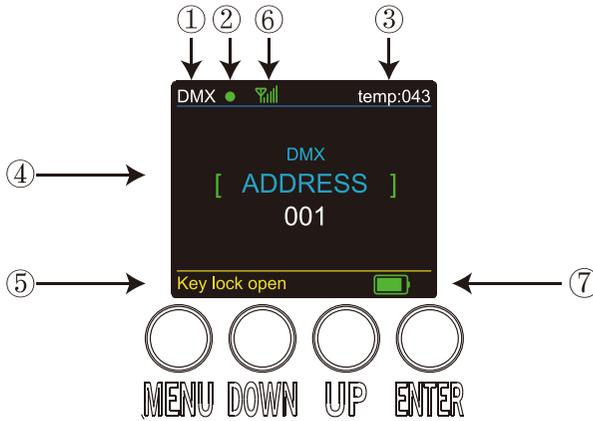


1. When you enter DMX Mode,it will be showed DMX,when you enter SLAVE Mode,it will be showed SLAVE.

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.

7. This shows the battery's electric quantity.



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.

| | |
|---|---|
| DMX ● 📶 temp:043<br><br>DMX<br>[ ADDRESS ]<br>001<br><br>Key lock open 🔋 | While DMX shows green but Wireless signal shows red,it means DMX Mode is connected and Wireless is disconnected. |
| DMX ● 📶 temp:043<br><br>DMX<br>[ ADDRESS ]<br>001<br><br>Key lock open 🔋 | While DMX and Wireless are show red,it means DMX Mode and Wireless are disconnected. |
| DMX ● 📶 temp:043<br><br>DMX<br>[ ADDRESS ]<br>001<br><br>Key lock open 🔋 | While the letters and number shows change from white to yellow,it means the temperature beyond max temperature of default settings. |
| DMX ● 📶 Error<br><br>DMX<br>[ ADDRESS ]<br>001<br><br>Key lock open 🔋 | While the letters and number shows Error,it means have some problems of temperature. |
| DMX ● 📶 temp:043<br><br>DMX<br>[ ADDRESS ]<br>001<br><br>Key lock open 🔋 | While the battey is charging,it will showed running from empty to full.While you stop charging,it will showed how much the electric quantity. |

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

1. Press "ENTER" button and then UP or DOWN button until "DMX " is showed.
2. Press "ENTER" button, and "CHANNEL" or "ADDRESS" will be showed.Then press ENTER.
1) "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.
2) "xxx" will be showed, "x" represents the showed address. You can press the UP or DOWN button to select your desired address.

RUN MODE-In this menu, you can select DMX mode or SLAVE mode.In SLAVE mode,you can select one light as the MASTER light and other lights in SLAVE mode will run following the MASTER light.
1. Press "ENTER" button and then UP or DOWN button until "RUN MODE" is showed.
2.Press "ENTER" button, and"DMX" or "SLAVE" will be showed, then press ENTER to select your desired mode.

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 nine options. Then,press ENTER to select the option and press UP or DOWN button to select the value you desire as below.
1) ID number - You can select an ID Number in this menu.Then, you can adjust the value of channel 11 to the corresponding scope and control the light individually with control console.
2) Display Led - In this item,you can select "ON" or "OFF".If you select ON,the displayer will be on all the time.And if you select OFF,the displayer will extinguish about ten seconds later.
3) Key locks - You can select whether the password is on or off in this menu , and the password is [ DOWN ] + [ UP ] + [ DOWN ] + [ UP ] .If you select "on",then you have to input the password before pressing the buttons.Otherwise,the light won't respond to your order.
4) 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.
5) Dimmer RED - You can adjust the red brightness in this menu.
6) Dimmer GREEN - You can adjust the green brightness in this menu.
7) Dimmer BLUE - You can adjust the blue brightness in this menu.
8) Dimmer WHITE - You can adjust the white brightness in this menu.
9) Dimmer ALL - You can adjust the brightness of each color in this menu.

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 three items as below:
1) Software - This item displays the Software information.
2) Hardware - This item displays the Hardware information.
3) Fix times - This item displays the working hours about the light.

AUTO-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) SPEED - You can select your desired speed in this menu.
2) AUTO MODE - You can select your desired auto mode in this menu.

CUSTOMER-In this menu,you can select the AUTO program edited in the "EDIT" menu.
1. Press "ENTER" button and then UP or DOWN button until "CUSTOMER" is showed.
2. Press "ENTER" button, and there are 11 pre-programmed mode editted in the "EDIT"menu.

CAL WHITE-In this menu, you can adjust the value of 11 different white color.
1. Press "ENTER" button and then UP or DOWN button until "CAL WHITE" is showed.
2. Press "ENTER" button, and there are 11 pre-programmed White colors that can be edited by adjusting the value of "Red", "Green", "Blue" and "White"

STAT COLOR-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 "STAT COLOR" is showed.
2. Press "ENTER" button, and there are six options. Then press ENTER to select the option and press UP or DOWN button to select the value you desire as below:
1) STAT RED - You can adjust the red brightness in this menu.
2) STAT GREEN - You can adjust the green brightness in this menu.
3) STAT BLUE - You can adjust the blue brightness in this menu.
4) STAT WHITE - You can adjust the white brightness in this menu.
5) SELET COLOR -You can select 52 static color in this menu.
6) STAT STROB - You can adjust the strobe speed in this menu.

EDIT-In this menu, you can edit your desired AUTO program.
1. Press "ENTER" button and then UP or DOWN button until "EDIT" is showed.
2. Press "ENTER" button, and open the "EDIT" mode to edit the custom programs from"PR.01" to "PR.11".And there are 32 scenes that can be edited in each custom program.
3. You can edit a scene by adjusting the value of "RED (0~255)", "GREEN (0~255)", "BLUE (0~255)", "WHITE (0~255)", "FADE (0~31)", "FLASH(0~50)", "STROBE (0~31)" & "TIME (0~100)" as you like. Then the data will be saved, when you press the ENTER button for 5 seconds.

UPLOAD-In this menu,you can connect several pieces of lights with MAX cables and set one light as the MASTER and others in SLAVE mode.Then upload the custom program in the MASTER light to the lights in SLAVE mode.
1. Press "ENTER" button and then UP or DOWN button until "UPLOAD" is showed.
2. Press "ENTER" button to upload the custom programs from the MASTER light to the SLAVE ones.

RESET-In this menu, you can reset all the value of the system.
1. Press "ENTER" button and then UP or DOWN button until "RESET" is showed.
2. Press the ENTER button to reset all the value of the system.

# Features

OPTICS
● Light Source: 8*10W, 4 in 1 RGBW LEDs
● Lens: standard 20°,optional 30°, 45°
● Slide filter:15°,25°,45°,60*10°
● DMX Channel:3, 8, 12, 32 & 37 CH

ELECTRICAL
● Power consumption: 65W
● Voltage: AC 110 - 240V, 50/60Hz
● Input voltage:DC 15V / 5A

BATTERY
● Battery: Lithium Batteries
● Charge Time: 4 Hours
● Working Time: 3H,6H,10H,14H Full Power mode for customize setting; 24 Hours Color
Change and Dimming
● 70% after 300 times charging recycle

Light EFFECT
● Electronic 16 bit dimmer, 51 preset color marcos,The white from 3000K-10000K for choose
● Built-in Effect: color mixing, variable color chasing, strobing and fading
● 8 pixel control
● Rainbow effect with hard frost filter

CONTROL
● IR Remote Control
● Chinese wireless DMX transiver (optional Lumenradio)
● Run Mode: Static mode /Master Slave /Auto Mode
● Protocal:DMX 512,RDM

SOFTWARE
● 10 internal programs and 10 customerize programs
● 4 different dimming curve
● Smart temperature control
● Working time record

PHYSICAL
● Material: Aluminum body
● TFT Displayer with Four Buttons
● Dimensions: 500*65*113.5 mm
● N.W: 3.5 KG
● IP65

# Programme Menu

```
DMX ADDRESS ─────┬───── ADDRESS
                 │       001
                 │        ⋮
                 └───── ADDRESS
                         512

CHANNELS MODE ───┬───── CHANNEL
                 │       003
                 ├───── CHANNEL
                 │       008
                 ├───── CHANNEL
                 │       012
                 ├───── CHANNEL
                 │       032
                 └───── CHANNEL
                         037

Dimmer Curve ────┬───── Standard, Stage
                 └───── TV, Architec, Theatre

DMX State ───────┬───── DMX Hold
                 └───── Black out

SLAVE Mode ───────────── Slave

AUTO MODE ───────┬───── AUTO ──────┬── 1
                 │                 │   ⋮
                 │                 └── 13
                 └───── Speed ─────┬── 1
                                   │   ⋮
                                   └── 30

MANUAL ──────────┬───── Red
                 ├───── Green ──────┬── 000
                 ├───── Blue        │   ⋮
                 │                  └── 255
                 ├───── White
                 ├───── Color ──────┬── 1
                 │                  │   ⋮
                 │                  └── 63
                 └───── Strobe ─────┬── 000
                                    │   ⋮
                                    └── 20

CAL WHITE ───────┬───── 2700K
                 ├───── 3200K
                 ├───── 3500K
                 ├───── 4000K
                 ├───── 4500K
                 ├───── 5000K
                 ├───── 5600K
                 ├───── 6000K
                 ├───── 6500K
                 ├───── 7000K
                 ├───── 7500K
                 └───── 8000K
```

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```
SET UP ─┬─ Remote ─────────┬─ ON
        │                   └─ OFF
        │
        ├─ Dimmer speed ───┬─ Dimmer speed 1
        │                   ├─ Dimmer speed 2
        │                   ├─ Dimmer speed 3
        │                   ├─ Dimmer speed 4
        │                   └─ Dimmer speed 5
        │
        ├─ Key lock ───────┬─ ON
        │                   └─ OFF
        │
        ├─ Display ────────┬─ 30S
        │                   └─ ON
        │
        ├─ Max Temp ─────── 30-65°C
        │
        ├─ Dimmer All ─────┬─ 000
        │                   ┊
        │                   └─ 255
        │
        ├─ Bat usage ──────┬─ Battery boost
        │                   ├─ 6H
        │                   ├─ 10H
        │                   └─ 14H
        │
        └─ Bat usage ──────┬─ Red ─────┬─ 000
                            │           ┊
                            │           └─ 255
                            ├─ Green ───┬─ 000
                            │           ┊
                            │           └─ 255
                            ├─ Blue ────┬─ 000
                            │           ┊
                            │           └─ 255
                            └─ White ───┬─ 000
                                        ┊
                                        └─ 255

Wireless DMX ─┬─ Transmitter ─┬─ ON
              │                └─ OFF
              ├─ Receiver ─────┬─ ON
              │                └─ OFF
              └─ Release ────── Release?

INFO ─┬─ Software Ver 1.1.0
      ├─ Hardware Ver 1.0
      ├─ RDM UID  0x010E
      └─ Working Time ── 00000H-01m ─┬─ OFF
                                     └─ ON

Factory Reset ── +/-/+/-/Enter
```

## DMX control mode

**DMX 3 channel**

| channel | value | function |
|---------|-------|----------|
| 1 | 0 - 255 | Hue |
| 2 | 0 - 255 | Saturation |
| 3 | 0 - 255 | Value |

**DMX 8 channel**

| channel | value | function |
|---------|-------|----------|
| 1 | 0 - 255 | Dimmer |
| 2 | 0 - 255 | Dimmer Curve1-4 |
| 3 | 0 - 255 | Dimmer speed 1-5 |
| 4 | 0 - 255 | Red |
| 5 | 0 - 255 | Green |
| 6 | 0 - 255 | Blue |
| 7 | 0 - 255 | White |
| 8 | 0 - 255 | Strobe |

**DMX 12 channel**

| channel | value | function |
|---------|-------|----------|
| 1 | 0 - 255 | Dimmer |
| 2 | 0 - 255 | Dimmer Curve1-4 |
| 3 | 0 - 255 | Dimmer speed 1-5 |
| 4 | 0 - 255 | red |
| 5 | 0 - 255 | Green |
| 6 | 0 - 255 | Blue |
| 7 | 0 - 255 | W |
| 8 | 0 - 255 | Strobe |
| 9 | 0 - 255 | color |
| 10 | 0 - 255 | CCT |
| 11 | 0 - 255 | Auto 1-13 |
| 12 | 0 - 255 | speed  slow -fast |

**DMX 32 channel**

| channel | value | function |
|---------|-------|----------|
| 1 | 0 - 255 | Led1  Red |
| 2 | 0 - 255 | Led1  Green |
| 3 | 0 - 255 | Led1  Blue |
| 4 | 0 - 255 | Led1  White |
| 5 | 0 - 255 | Led2  Red |
| 6 | 0 - 255 | Led2  Green |
| 7 | 0 - 255 | Led2  Blue |
| 8 | 0 - 255 | Led2 White |
| 9-12 | 0 - 255 | Led3 RGBW |
| 13-16 | 0 - 255 | Led4 RGBW |
| 17-20 | 0 - 255 | Led5 RGBW |
| 21-24 | 0 - 255 | Led6 RGBW |
| 25-28 | 0 - 255 | Led7 RGBW |
| 29-32 | 0 - 255 | Led8 RGBW |

**DMX 37 channel**

| channel | value | function |
|---------|-------|----------|
| 1 | 0 - 255 | Dimmer |
| 2 | 0 - 255 | Dimmer Curve1-4 |
| 3 | 0 - 255 | Dimmer speed 1-5 |
| 4 | 0 - 255 | Led1  Red |
| 5 | 0 - 255 | Led1  Green |
| 6 | 0 - 255 | Led1  Blue |
| 7 | 0 - 255 | Led1  White |
| 8 | 0 - 255 | Led2  Red |
| 9 | 0 - 255 | Led2  Green |
| 10 | 0 - 255 | Led2  Blue |
| 11 | 0 - 255 | Led2 White |
| 12-15 | 0 - 255 | Led3 RGBW |
| 16-19 | 0 - 255 | Led4 RGBW |
| 20-23 | 0 - 255 | Led5 RGBW |
| 24-27 | 0 - 255 | Led6 RGBW |
| 28-31 | 0 - 255 | Led7 RGBW |
| 32-35 | 0 - 255 | Led8 RGBW |
| 36 | 0 - 255 | Auto 1-13 |
| 37 | 0 - 255 | speed  slow -fast/strobe |

## Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attach-ment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculat-ing working load limits, installation material being used, and perodic safety inspection of all installation material and unit. If you lack these qualifcations, do not attempt the installation yourself.

The installaiton should be checked by a skilled person once a year.
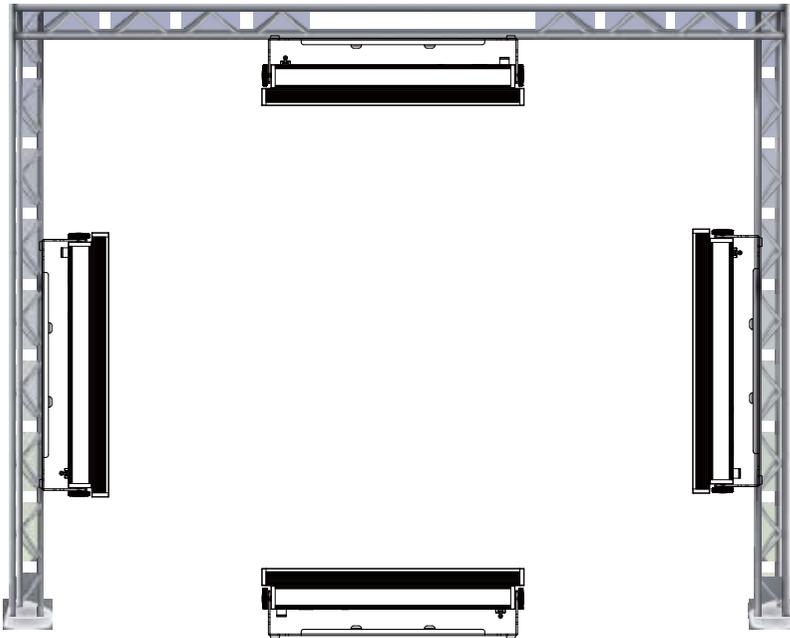
The BATBAR810LIP is fully operational in three different mounting positions, hanging upside-down from a ceiling, set on a flat level surface or mount the unit on its side. Be sure this fxture is kept at least 0.5m away from any flammable materials (decoration etc.). And you'd better use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails (see next page).

## CABLE CONNECTORS

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

**DMX connector configuration**



GROUND

DMX +

DMX -

INPUT

OUTPUT

Resistance 120 ohm 1/4w between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

**Termination reduces signal errors. To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.**
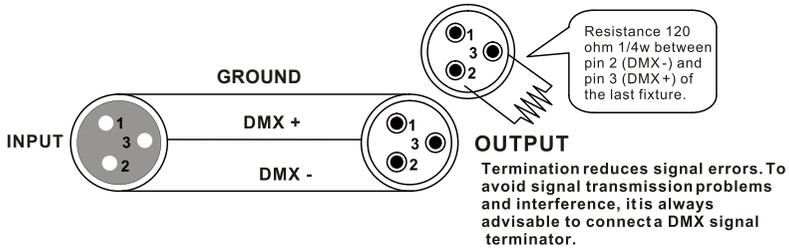
caution:Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

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

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:
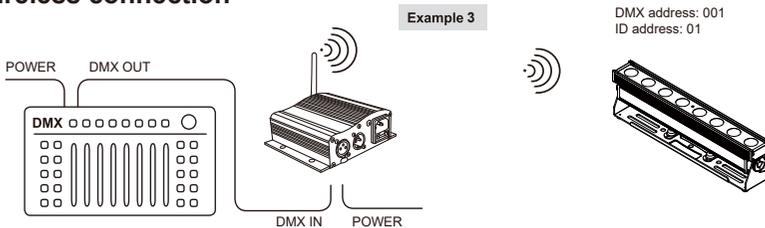
*3-PIN TO 5-PIN CONVERSION CHART*

| 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 |

## Connection

### Master / Slave connection
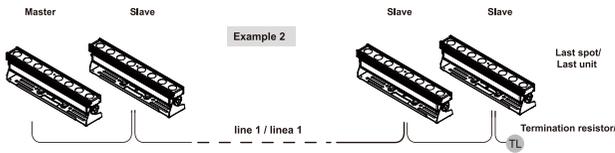


### Wireless connection



Press "ENTER" button and then "UP" or "DOWN" button until "SET UP" is showed.
Press "ENTER" button and then "UP" or "DOWN" button until "Wirless rel" is
displayed, press ENTER button. Then press DMX Mode is ok.
Then, until Green wireless signal is displayed. Then Wireless DMX connected
success.
About the condition of wireless signal, Green represents the successful setting, while
red represents the signal is unsuccessful.

### Release wireless DMX signal

Press "ENTER" button and then "UP" or "DOWN" button until "Wirless rel" is showed.
Press "ENTER" button and then "UP" or "DOWN" button until "press +/-" is
displayed, press "UP" or "DOWN" button, long press "UP" or "DOWN" button about
5-6 seconds. Until "Initialization" to "Release finish" is displayed. It means release
signal successfully.

**Please noted:The wireless controller hangs on will be in a good position,the
antenna of the products should be face to the controller can be used within
200M.**

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# IR Controller
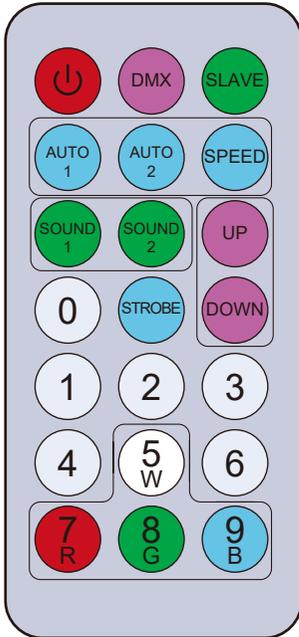
Power on/off button

DMX button,to control DMX address when press this button.It is channel mode when double click.

Master-slave mode button.

Automatic mode button

Speed adjustive button

Without function

Up and down button,you can choose the program that you need or numerical.

Strobe button

You can use these number button to adjust numerical in any program mode.

Color choosing button.