# Mini B4
## User Manual

# TECHNICAL PARAMETERS

## Light source

Power supply: AC100V-250V

Frequency: 50-60Hz

Power consumption: 60W

Light source: 4*18W 6in1 RGBWA+UV LED

Lamp life: 6-10 ten thousand hrs

## Optical

LED angle: 30(±5) degree

## Controls

Control channels: 6/8/10 chs

Battery power & wireless DMX&IR

Wireless DMX-512 protocol

Built in 2.4G receiver/ transmitter for wireless DMX operations

Control mode: DMX512, master/slave, auto, sound active

Automatic model(by function button) : color change, color strobe, color dimmer, color gradual change/color jump change

Operation menu: 4 digit digital OLED display

## Effect

Color: 16.7 million kinds of color change

## Construction

Waterproof grade:IP20

## Weight&Dimension

Product size: 19*17*19cm

Net weight: 1.3kg

Bag packaging:

63*45*24cm(12in1)          Gross weight: 14kg

Flycase packaging:

76*42*29cm(8in1)          Gross weight: 27kg

65*55*37cm(10in1)          Gross weight: 28kg

72*53*38cm(12in1)          Gross weight: 33kg

**Most important: FIRST CHARGE THE FIXTURES FOR 4-5 Hours on the First Charge before use. Plug in**

**Power cord. Turn off Power Switch and Turn off other switch to charge.**

**Introduction**

**Unpacking:** Thank you for purchasing this product, all products has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories

necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

**Introduction:** The Light is a DMX intelligent and battery powered LED par light. This par light is light weight and compact which makes it a great piece for mobile DJ "s and clubs.

**Warning!** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

**Caution!** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact the m anufact urer or your dealer.

**PLEASE recycle the shipping carton whenever possible.**

**General Instructions**

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and m aintenance of this unit. Please keep this manual with the unit, for future reference.

Notice :please pay attention to ventilation, to prevent the battery overheat cause burning When charging.





# Safety Precautions

● To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

● Do not spill water or other liquids into or on to your unit.

● Be sure that the local power outlet match that of the required voltage for your unit.

● Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.

● Disconnect from main power before making any type of connection.

● Do not remove the cover under any conditions. There are no user serviceable parts inside.

● Never operate this unit when it "s cover is removed.

● Never plug this unit in to a dimmer pack.

● Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm)between this device and a wall.

● Do not attempt to operate this unit, if it becomes damaged.

● This unit is intended for indoor use only; use of this product outdoors voids all warranties.

● During long periods of non-use, disconnect the unit"s main power.

● Always mount this unit in safe and stable matter.

● Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from unit.

● Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.

● Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

● The fixture should be serviced by qualified service personnel when:

A. The power-supply cord or the plug has been damaged.

B. Objects have fallen, or liquid has been spilled into the appliance.

C. The appliance has been exposed to rain or water.

D. The appliance does not appear to operate normally or exhibits a marked change in performance

● Fuse standard is 2A/250V

● Grounded using yellow/green line

● The ambient temperature must always be under +35° C


## Set Up

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your light is
workable in 100-220V/50~60Hz. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

### Operating Instructions
Operating Modes: You can use the light in 5 ways:

● Sound activation – The unit will activated by the sound signal.

● Static display – The unit will display the color in static way.

● Auto Mode -The unit will automatically chase through the different patterns.

● DMX control mode -This function will allow you to control the lighting with a standard DMX 512 controller.

● Battery powered – This function will allow you to control the lighting independently without any DMX cable

DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as pattern changing lights.

1. This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.

2. The light use 6/8/10 DMX channels to operate. Please see "DMX channel and Functions" for the DMX traits.

3. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

4. The unit can automatically recognize the DMX signal once the DMX connection is done.
DMX Linking:

To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in
which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX
address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.
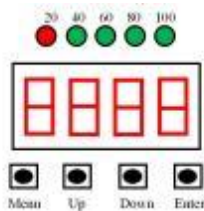
## Display function：

| Display Mode | Explains |
|---|---|
| **A001** （A001—A512） | address code 1-512 |
| **CHND** （6CH/8CH/10CH） | Channel mode 6CH/8CH/ 10CH |
| **CL32**（CL01—CL32） | Static mixing mode（32 colors），Keys up and down color |
| **CC99**（CC01—CC99） | Jump mode, up and down key speed |
| **EE99**（EE01—EE99） | Mutation mode, up and down key speed |
| **FF99**（FF01—FF99） | Gradient mode, up and down key speed |
| **ST32**（ST01—ST32） | Strobe mode, up and down keys to adjust the color, press to confirm the FM flash speed SP01-99 |
| **SOU1** (SOU1/2/3/4) | Sound mode SOU1 Jump mode<br>SOU2 Sudden change of voice control mode<br>SOU3Color changing strobe voice control mode<br>SOU4Jump ＋ mutation ＋<br>discoloration stroboscopic voice control mode |
| **NANU** | R Manual dimming 0-255<br>G Manual dimming 0-255<br>B Manual dimming 0-255<br>W Manual dimming 0-255<br>Y Manual dimming 0-255<br>P Manual dimming 0-255 |
| **WIFI** | LXXX |
| **NDIN** (CUR1—CUR4) | 4 kinds of dimming curves (square, straight line, logarithm, S type), delay on/off according to the confirmed adjustable curve |
| **2.4G**(ON/OFF) | Wireless dmx 2.4G    ON/OFF |
| **IRCL**(ON/OFF) | IR remote ON / OFF |
| **POWR**(ON/OFF) | Switch on/off with one key |
| **LED**(ON/OFF) | Display off screen on / off |
| **T000**(OFF/40-100) | Temperature display and power reduction temperature setting |

Remarks: A, hidden current adjustment, A001 menu mode, long press the OK button for 5 seconds, the program automatically enters the current adjustment mode. Press the OK button again to select the color (up and down keys to adjust the value), press the menu button to return to the adjustment.

B, wireless 2.4G adjustment frequency band, frequency band 1-7, corresponding to 7 color indicator lights (red, green, yellow, blue, purple, blue, white)

C. When the host sends the band indicator, it flashes red slowly. When the slave receives the band, the indicator light is green and slow.
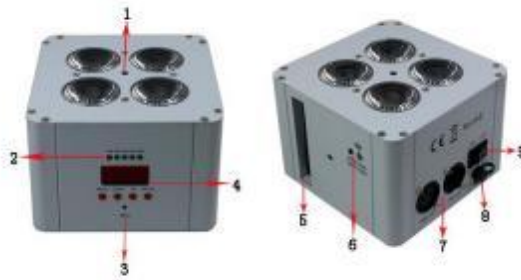


## DMX Channels Function：

| Channel | 6Channel Mode | 8Channel mode | 10 Channel mode |
|---|---|---|---|
| CH1 | 1-255 Red Dimmer | 1-255 Total Dimmer | 1-255 Total Dimmer |
| CH2 | 1-255 Green Dimmer | 0-9 Off , 10-255Strobe（Slow to Fast) | 1-255 Red Dimmer |
| CH3 | 1-255 Blue Dimmer | 1-255 Red Dimmer | 1-255 Green Dimmer |
| CH4 | 1-255 White Dimmer | 1-255 Green Dimmer | 1-255 Blue Dimmer |
| CH5 | 1-255Amber Dimmer | 1-255 Blue Dimmer | 1-255 White Dimmer |
| CH6 | 1-255Purple Dimmer | 1-255 White Dimmer | 1-255 Amber Dimmer |
| CH7 | | 1-255Amber Dimmer | 1-255 Purple Dimmer |
| CH8 | | 1-255 Purple Dimmer | 0-9 Off， 10-255 Strobe（Slow to Fast) |
| CH9 | | | 0-9 Off<br>10-50Static color mixing, with 10 channel color selection 51-100Jump mode with 10 channel speed<br>101-150Mutation mode, with 10 channel speed<br>151-200Gradient mode with 10 channel speed 201-220 Jump change Sound 1<br>221-240 mutationSound 2<br>241-255Color changing strobe Sound 3 |
| CH10 | | | 0 OFF， 1-255 Speed |

**For Battery Function and Charge**

The unit has the function of battery powered. The button for battery and charge is set on the rear panel. It is showed as the following picture, and the function is described as below.

1. Remote control receiver
2. Show of battery capacity
3. Microphone
4. Alpha-numeric display
5. Wireless dmx Antenna
6. Wireless DMX CODE
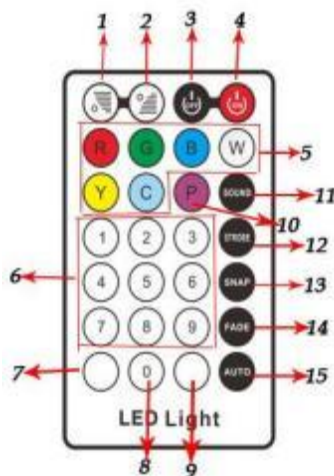7. DMX IN / DMX OUT
8. power in
9. Power on/Power OFF

There are two buttons on the rear panel of the lighting. One is for power, and the other is for signal.
● When use the fixture with DMX, not wireless, please switch the signal button for "off"
● When use the wireless DMX, please switch the button for "on"
● When charge the light, please switch both of the button for "of" . At the same time, if the switch for power is "on", the light will be at work during the process of charge, but will consume some power from the charge; if the switch for power is "off" , the light will be blackout and not be at work.

**Tip for the battery and charge:**
● The battery can last for 3-3.5 hours when all LEDs on after full charge , and can last for more than 6-8 hours on auto running mode. Up to 20 Hours with one color diode on. Results will vary based on brightness of LEDs
● It is suggested to charge the battery for at least 4 hours, which will extend the life span of the battery.

Infrared remote control functions:

1. Dimmer UP
2. Dimmer Down
3. OFF (IR control Off)
4. ON (IR control On)
5. R、G、B、W、Y、C    is meant to 6 colors
6. Number 1-9 is 9 mixed colors,8 button is wireless on, 9 button is wireless off
7. 0 left key A001 console mode，can change by up and down
8. Key 0 is 32 mixed colors mode，can change by up and down
9. 0 right channel mode，can change by up and down

10．  The C key is empty
10.  SOUND key is for SOUND control, and the up and down keys are adjusted to SOUND control mode
12．STROBE key is STROBE, and the speed is adjusted by up and down key
13．  SNAP key for color mutation, up and down key speed
14.  FADE key is color gradient, up and down keys adjust speed
  15．AUTO button is a color jump, and the up and down keys are used to adjust the speed.

## Phone APP :

- DMX512 console control，can be controlled via signal cable and 2.4G wireless DMX signal
- Master-slave control is available online via the signal line or 2.4G wireless
- WiFi phone operation control, support Android 2.3 or later, Apple iOS 4.3 or later (This feature applies to WiFi motherboard)
- Phone APP Name: LEDlamp (Language: software automatically recognizes the Chinese or English according to the system)



1)   Then turn on the light WIFI function, you can find a WIFI name like LED255 on your phone WIFI list, please choose and connect it.

2)   Turn on the lights, showing A001 as the picture, please turn all lights on 2.4G wireless DMX and then set one light as master, the rest will be slaves automatically, no need additional settings, keep the lights on A001 mode.

3)   Press MENU button and choose Shows – 5. WIFI mode – Press ENTER.

4)   The wireless indicator on Master will flash in Red color, it means it's transmitting the 2.4G wireless DMX signal, the rest lights will be   in slaves mode automatically and the   indicators will flash in green color, meaning   it's receiving the signal.

5)   All settings are completed, the lights can be controlled by phone via the APP now.

NOTE:   The WIFI control might be in interferences by other devices sometimes, please ensure there is no other signal interferences then.

## REMARK

The product has perfect performance and intergrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren 't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company 's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.