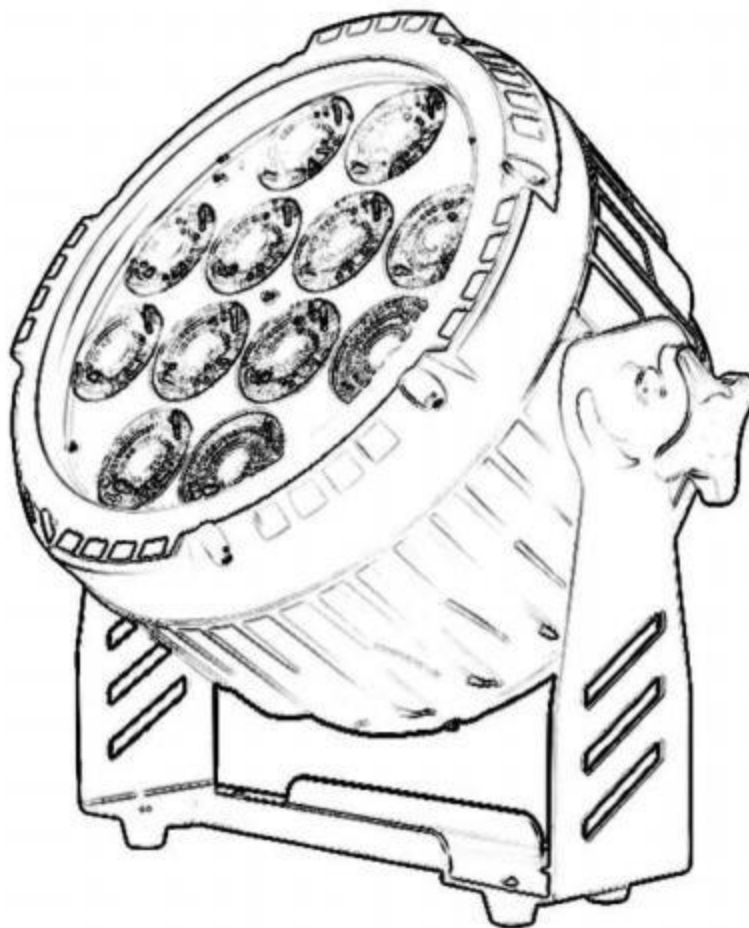# FWBR1206
User Manual

Most important: FIRST CHARGE THE FIXTURES FOR 6-8 Hours on the First Charge before use. Plug in Power cord. Turn off Power Switch and Turn off other switch to charge.

prompt

1.Please read this safety rule carefully before use.

After the equipment has been transported to the destination of use, please carefully open the package and take out the equipment. If you find any defects, you should immediately contact the shipping company and complain according to the defect. Confirm that this equipment is intact when it leaves the factory.

Please check whether the received equipment matches the goods registered in the freight bill, and whether the goods registered in the freight bill match

The goods you ordered are consistent, if not, please contact your supplier immediately.

Overview

This lamp is a professional lighting equipment designed for indoor and outdoor performances, architectural lighting, etc. It is a professional dyeing par light that must be marked as a ground-level wire and ground wire.

Do not open the casing while this equipment is running to avoid electric shock.

Obvious defects are found in the glass lens, and the lens should be replaced immediately and its power should be reduced, such as deep cracks or scratches. The luminous body is damaged or distorted after high heat and should be replaced immediately. If you need to perform inspection, maintenance, repairs and other operations inside the lamp, you should turn it over to professionals.

In the event of an accident, unplug the power cord before opening the lamp housing.

The user should operate within the scope of the specified use of this equipment and check whether the wiring of the equipment is correctly connected. Please do not place the lamp in a changeable and harsh environment.

The manufacturer shall not be liable for damage caused by unauthorized replacement of other types of light sources.

This luminaire is a kind of professional equipment. Although the improved design is simple and convenient to operate, it still needs professional installation and maintenance.

Point

The power cord and other connecting devices are very important to the equipment, and their reasonable arrangement leads to the safe and convenient use of the equipment.

When unplugging and plugging in the power supply, you must hold the plug and pull it out. Do not pull the power cord directly.

Do not use the power cord in harsh environments. It should be tested before installation, and periodic testing should be maintained after installation. Do not tie the power cord and other signal lines together to prevent confusion.

Power connection

This lamp adapts to the normal voltage of 230V. For the safety of users, the ground wire (yellow-green) must be kept grounded.

ATTENTION:

⚠️ LETHAL VILTAGE PRESENT INSIDE

2. First of all, thank you for choosing our company's products. Please read this instruction manual carefully and completely, and organize a copy for reference during use. This manual contains important information about the installation and use of this product. Please strictly abide by these related instructions.

This lamp adopts a die-cast aluminum profile shell to form one piece, with beautiful appearance, graphics, and solidity, which fully embodies the characteristics of the lamp product. The product is designed and produced strictly according to the international standard DMX512 protocol. It can be controlled by a single unit or linked to each other. It can be used by mobile phone WIFI or remote connection control. It is suitable for theatrical performances, indoor and outdoor activities. Used in architectural lighting and other places.

Benchengjie lamps use high-precision accessories. When you receive the product, please take care of it, and check whether the product may be damaged due to transportation.

3. This product is a professional waterproof dyeing battery wireless remote control WiFi par light

If the product has gone through a large temperature difference (for example, after transportation), do not start the product immediately

The product will be damaged due to thermal expansion and contraction. Please wait until the device reaches normal room temperature before starting the product.

Pay attention to shocks. Avoid strong collisions during product installation.

Please do not lift the entire product by the lamp head, because the mechanical properties of the equipment may be damaged.

If you need to hang the product, please tie the product with a safety rope, and check whether all the screws are correct during installation

Please make sure that the glass is in good condition. When the glass is damaged or scratched, please replace the glass.

It is recommended that technicians familiar with this product operate this product. Non-technical personnel are forbidden to operate this equipment, because many losses are the result of non-professional operation.

Please keep the packing materials properly in case you need to carry out the second transportation.

If there is no guidance from the manufacturer or distributor, please do not modify the product without authorization.

Any equipment failures caused by operating and using this equipment not in accordance with the instructions are not covered by the warranty. And any damages caused by short circuits, injuries, electric shocks, ultraviolet rays, etc. caused by this are not covered by the warranty.

Product hanging and installation

Note: For more safety, please hang and install this product away from aisles, seating areas, or areas within reach of people.

Before hanging the product, make sure that the installation point can bear 10 times the weight of the product.

The product installation must have dual protection devices, such as safety ropes.

When hanging, removing or repairing this product, it is forbidden to stand under the installation point

4. technical parameter

Input voltage: AC110V-250V 50-60Hz

Light source: 12pcs 18W high brightness 6 in 1 LED

Lamp life: 6-10 ten thousand hrs

LED angle: 15 degree

Color: 16.7 million kinds of color change

channels: 6/8/10 ch

Control mode: DMX512,remote control, master/slave, auto,   WiFi ,sound active

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

Operation menu: LCD display

Four dimming modes: Linear dimmer, S-Dimmer, Logarithmic dimmer, Exponential dimmer

A variety of refresh frequencies can be set to choose

Can be set to disconnect 512 signal data retention

This lamp supports wired RDM

Lighting Size: 22x26.5x21.5 CM

N.W: 6KG

G.W: 6.5KG

Features:

This light is a battery wireless remote control WiFi multifunctional waterproof battery par light, rechargeable, can also be plugged in, can also be used with wired 512, and can also be used with wired RDM. The battery capacity is up to 19200MAH, which can meet long-term use. . A variety of refresh rate settings, dimming mode settings to meet special shooting needs. The lamp is made of cast aluminum, natural air cooling, no fan, no noise, compact structure, small size and light weight.

5.Menu function description

Display mode				Function description
Address	001—512			Address code setting
Channel	6CH			6 channel mode
	8CH			8-channel mode
	10CH			10-channel mode
DMX Fail	Hold			Console data retention
	Blackout			Console data black field
Frequency	600HZ			600 refresh rate
	1200HZ			1200 refresh rate
	2000HZ			2000 refresh rate
	4000HZ			4000 refresh rate
	12KHZ			12K refresh rate
	25KHZ			25K refresh rate
Custom	Red:0-255			Red
	Green:0-255			green
	Blue:0-255			blue
	White:0-255			White
	Yellow:0-255			Yellow/amber
	UV:0-255			Purple
Program	Static	Colour:01-32		32 static color mixing
		Speed:00-16		Strobe speed (when the speed is 00, it is static color mixing)
	Auto	Speed:00-16		Color jump
	Fade	Speed:00-16		Color gradient
	Sound	Sound:01	Sens:00-99	Voice control
		Sound:02	Sens:00-99	Voice control mutation
		Sound:03	Sens:00-99	Voice-activated color-changing strobe
		Sound:04	Sens:00-99	Voice control color change + mutation + color change strobe
	WIFI	LED_XXX		WIFI mode and link address
Wireless	DMX（ON/OFF）			Wireless 2.4G on/off
	Group ID:1-7			7 frequency bands (red/green/yellow/blue/purple/cyan/white)
Key Power	ON/OFF			One key on/off (the MENU key is this function)
Back Light	Always on			Display normally open
	10s			The screen will be off for 10

		seconds in standby mode
	20s	Displays the screen off for 20 seconds in standby mode
	30s	Display and turn off the screen for 30 seconds in standby
IR	ON/OFF	Infrared remote control on/off
Menu Lock	ON/OFF	Key lock on/off (ENTER+DOWN key is this function)
Factory Reset	NO/YES	System self-test reset
Curve	Led Curve 1	Linear curve
	Led Curve 2	Square curve
	Led Curve 3	Logarithmic curve
	Led Curve 4	S curve
Information	Version V1.0	Software version

6.DMX512 channel description

CH	6CH	8CH	10CH
CH1	1-255 red	1-255 All dimming	1-255 All dimming
CH2	1-255 green	0-9 closed light, 10-255 strobe (slow to fast)	1-255 red
CH3	1-255 blue	1-255 red	1-255 green
CH4	1-255 white	1-255 green	1-255 blue
CH5	1-255 yellow	1-255 blue	1-255 white
CH6	1-255 purple	1-255 white	1-255 yellow
CH7		1-255 yellow	1-255 purple
CH8		1-255 purple	0-9 closed light, 10-255 strobe (slow to fast)

CH9			0-9 closed light 10-50 static color mixing, with 10CH optional color mixing 51-100 jump mode, with 10CH speed 101-150 sudden change mode, with 10CH speed 151-200 gradient mode, with 10CH speed 201-220 Jumping voice control 1 221-240 Mutation Voice Control 2 241-255 Color-changing stroboscopic sound control 3
CH10			1-255speed

7.Remark:

1. The frequency band indicator flashes slowly in red when the master sends, and the frequency indicator flashes slowly in green when the slave receives.

2. The operation steps of mobile phone WIFI control are as follows:

Step 1: Install the APP (LED LAMP) of this software first on the mobile phone

Step 2: Switch the lamp display function to WIFI mode (under the menu Program\WIFI mode)

Step 3. Turn on the setting icon on the phone, turn on WIFI and search for the WIFI address, the words starting with LED will appear. Such as "LED-XXX", click the link

Step 4. The phone returns to the main interface, find the APP installed on the phone and open it, wait for the link to succeed, and then control it.

3. In the menu Wireless mode, the 7 frequency bands of wireless 2.4G can be adjusted, and the corresponding light colors of the 7 frequency bands are such as (01 red/02 green/03 yellow/04 blue/05 light blue/06 purple/07 white)

4. During the charging process, the charging interface will appear on the display screen (if you need to use the lamp while charging, press the MENU button under the charging interface to enter the operating mode and running mode)

5. Over-temperature protection function: (When the temperature reaches 75 degrees or more, the program will automatically reduce the brightness by 30%, and when the temperature reaches 95 degrees or more, the program will automatically turn off the light)

6. This lamp supports wired RDM and software online upgrade function.

8. Infrared remote control function:

attention:

1) In a place as long as the infrared function to open a lamp

2) At the same time and console infrared can only choose a control mode (infrared to operate in the host mode);

1. Dimming up button
2. Dimming down button
3. OFF closed light pause
4. ON operation
5. R, G, B, W, A, UV keys are 6 kinds of single colors
6. 0 key is 32 kinds of color mixing, up and down keys to adjust
7. 1-9 number keys are 9 kinds of color mixing
8. The AUTO key is for color jump, and the up and down keys are used to adjust the speed
9. The STROBE key is strobe, the up and down keys adjust the speed
10. The FADE key is a color gradient, and the up and down keys are used to adjust the speed
11. The SOUND key is for voice control, and the up and down keys are used to adjust the voice control mode

9.Scan this QR code and download the LED LAMP APP to control the lamps with your phone (Android ISO system can be used)

The operation steps of mobile WIFI control are as follows:

Step 1: Install the APP (LED LAMP) of this software first on the mobile phone

Step 2: Switch the lamp display function to WIFI mode (under the menu Program\WIFI mode)

Step 3. Turn on the setting icon on the phone, turn on WIFI and search for the WIFI address, the words starting with LED will appear. Such as "LED-XXX", click the link

Step 4, the phone returns to the main interface, find the phone to install the APP and open it, and wait for the link to be successfully controlled.

● The lamp is used with DMX. When it is not used wirelessly, please switch the wireless function to "off"

● When using wireless DMX, please turn on the button

● When charging the light, if the switch power is "on", the light will be on during the charging process, but some power will be consumed. If the power switch is in the "off" state, the light will be off and not in
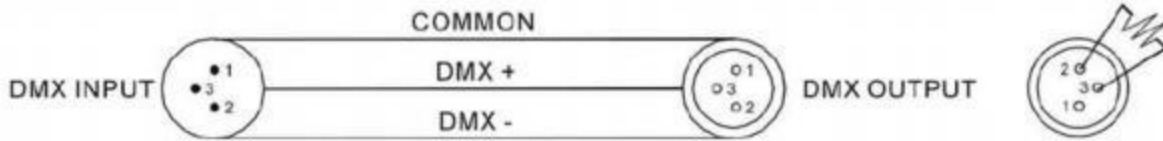
Work.

Battery and charging tips:

● After fully charged, when all the LED lights are on, the battery can last for 4-5 hours In automatic operation mode, the battery life will exceed 10 hours, and the results will be different depending on the operation mode.

LED-based brightness

● It is recommended to charge the battery for at least 5-6 hours, so as to prolong the service life of the battery.

The battery is a consumable item, as time goes by, the battery life will be affected

10.DMX connection DMX

DMX512 is widely used in lamp control, and can control up to 512 channels

On the last luminaire, a terminator is required for the DMX signal line. Solder a 120 Ω, 1/4W resistor between pin2 and pin3, install it into the 3-pin XLR plug and plug it into the DMX output port of the last lamp.

Use the XLR signal cable to connect the lamp, one end to the output port of the lamp, and the other end to the output port of the next lamp. The XLR signal cable can only be used in series, not parallel. DMX512 signal transmission speed is very fast. Damage to the signal line, weak welding, poor contact, etc., will affect signal transmission and cause the system to shut down.

When the power supply of a certain lamp is cut off, the connection of DMX output and input is bypassed, so that the connection of DMX line can be maintained.

Each lamp needs an address code, which can receive the information sent by the console, ranging from 0 to 512. The terminal of the system needs to be equipped with a terminator to reduce signal transmission errors.

11.Safety introduction and product maintenance

1. The power connection must be performed by professionals.

2. Make sure that the operating voltage is not higher or lower than the specified value in the instruction manual.

3. Confirm that the power cord is not cut or damaged by a sharp blade.

4. Be careful during the installation of the lamps and avoid touching the bare wires, otherwise you will suffer a fatal electric shock.

5. Please do not look directly at the light source when the lamp is in use, otherwise your eyes will be hurt.

6. When choosing the installation location, please make sure that the lamp is not exposed to extreme heat or dust. The distance between the lamp and the illuminated object must exceed 0.5 meters. Ensure that there are no flammable and explosive materials within 0.5 meters.

7. Please use proper and safe wires to connect the lamps.

8. Please operate after familiarizing with the function of the lamp. Most of the damage to the lamps is caused by improper operation, so non-professionals are not allowed to operate the lamps. Don't shake the lamp at will when using it, and don't operate it roughly.

9. Please do not modify the lamps at will. Doing so may cause short-circuit, burning, electric shock, etc., and cause malfunction and damage of the lamps. The manufacturer does not provide warranty.