

User Manual

The unit is designed to be applied in movable stages, shows, pubs, shops and outdoor projects. It is with high power Red, Green, Blue and White LEDs to mix all kinds of changing colors, using 2x8 digits LCD to display all control functions. It is with the functions of stand alone, linking or connecting with DMX controller. User can input their own data to edit and control the lights.

There are built-in programme to realize multiple units for color change, color strobe, color dimmer, color gradual change, color jump change, DMX programme (Multiple units linked can realize thousands of effects).



Lighting Specs:

Item	LED Type	LED QTY	Max. Power	Cell QTY	Battery Duration
1	Ø 10 144LED	RGBW 36PCS Each	10W	18650 18PCS	7-28H
2	6LED 4IN1 4W	6PCS X 4W	60W	18650 18PCS	4.5-18H
2	6LED 4IN1 10W	6PCS X 10W	60W	18650 21PCS	4.5-18H
3	9LED 4IN1 4W	9PCS X 4W	90W	18650 21PCS	3-12H
3	9LED 4IN1 10W	9PCS X 10W	90W	18650 21PCS	3-12H

Working Voltage: 100-240V AC 50-60Hz

DMX Channels: 4 or 6 Channels

Control mode: DMX512, Master/Slave, Auto Run, Sound Active

Dimensions: 24cm X 22cm X11cm

Applications: Movable Stage, Shows, Clubs, Shops and Outdoor projects.

Wireless DMX Specs:

Tricolor LED displaying

126 channels automatical jumping frequency, high anti-jamming ability to ensure working reliability.

7 groups ID code settable, User can use 7 groups individual wireless net without any interfere each other in the same place.

Communication distance: 700M

Work frequency section: 2.4GHz ISM band,126 channels frequency section.

Max transmitting power rate: 20dBm

Receiver sensitive: -94dBm

Battery Specs:

Cell QTY: CJ18650/2200MAh X 18 or 21PCS

Cell Composition: 6 or 7 in parallel 3 in series

Rated Voltage: 11.1V

Discharge Voltage Range: 8.25-12.6V

Rated Capacity: 19.8Ah

Charge Voltage: 12.6V

Charge Methods: Constant Voltage/Constant Current

Standard Charge Time: 8 Hours

Discharge Cut-off Voltage: 2.75V/Cell

Overcharge Protection Voltage: 4.25V/Cell

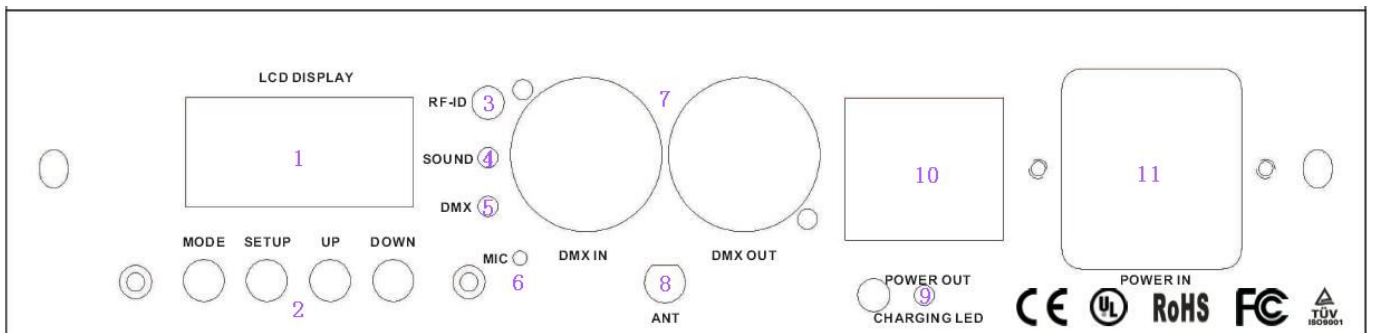
Circulation Life: Not less than 300 times

- The battery should not explode, fire, smoke or leak after vibration, crash, free fall, overcharge, overdischarge, shortcircuit or hit by heavy objects, while deformation is allowed.

Function Descriptions:

- Full color dimming: 255 grade brightness tuning, sound activation
- Full color Jumping change: Red, Green, Blue and White color jumping in turns, 255 grade speed control, sound activation
- 15 color jumping change: 255 grade speed control, sound activation
- Multicolor graduating change: 255 grade speed control, sound activation
- Multicolor strobe: 7 colors strobe in turns, 255 grade speed control, sound activation.
- Auto Run, Built-in programme circulation
- Master/Slave: Multiple units linked, slave changes with master synchronizingly.
- DMX dimming: Different units are assigned their own DMX address, their outputs are changing with the data of the DMX controller.

Operation Panel



- 1-LCD Display 2-Operation Button 3-Wireless DMX Indicator 4-Sound Activation Indicator
5-DMX Signal Indicator 6-MIC
7-DMX Socket 8-Antenna 9-Battery Charging Indicator 10-Power Out 11-Power In

Button Description

MODE: Working Mode Switch

SETUP: LCD Cursor Moving Key, Flashing Position is the parameter to be revised

UP: Data Up

DOWN: Data Down

Function Setup

- **Built-in Function Setup**

4 . F A D E
S 0 1 0 A : N

Press SETUP key to switch among all sub-function key, speed, sound button, etc. Cursor flashing position is the parameter to be revised. Press UP or DOWN to adjust the data. It can be master unit.

For example: LCD displays "4.FADE S010 A:N"

4.FADE: NO.4 function, Fade

S010: Speed value 10

A:N: Sound Activation closed

- **AUTO RUN**

A U T O R U N
= = = = = = = =

Auto Run the combination function of all sub-functions, it can be the master unit, set the Sound Activation parameter to be "N" to close the Sound Activation Mode of the sub-function.

- **DMX Address Setup:**

D M X 4 C H :	D M X 6 C H :
A D D : 0 0 1	A D D : 0 0 1

Address Range: 1-512, Press UP to setup address upward and DOWN to setup address downward. There are two DMX channels for your choices: DMX 4CH & DMX 6CH

DMX 4CH Mode

- CH1: 0-255 Red Dimming Range
- CH2: 0-255 Green Dimming Range
- CH3: 0-255 Blue Dimming Range
- CH4: 0-255 White Dimming Range

DMX 6CH Mode:

- CH1: 0-255 Red Dimming Range
- CH2: 0-255 Green Dimming Range
- CH3: 0-255 Blue Dimming Range
- CH4: 0-255 White Dimming Range
- CH5: R, G, B, W General Dimming
- CH6: Strobe Speed

- **Slave Mode**



Choose Slave Mode, Synchronizing with Master Unit.

- Wireless ID Setup



Press SETUP, UP OR DOWN at present mode to display current ID, press again to setup new ID, ID value will be added 1 more by pressing one time, ID indicator color will change according one by one.

Working Status:

- LED constant light: Showing current ID, no DMX or wireless signal
- RED LED flash: Transmitting
- Green LED flash: Receiving

ID code and LED color corresponding relationship:

- 1: RED
- 2: GREEN
- 3: RED+GREEN-----Yellow
- 4: BLUE
- 5: RED+BLUE-----Purple
- 6: GREEN+BLUE-----Cyan
- 7: RED+GREEN+BLUE-----White

- Battery Power Left Indicator



If there is no operation for 15 seconds for all Keys, it will automatically showing battery power status. Current value is the percentage of the total full power.

Description for LED Indicators:

RF-ID: Tricolor LED to indicate working status and ID code.

SOUND: Sound Indicator, flash when signal is strong enough, no relationship with setup.

DMX: DMX signal indicator, flash when there is DMX signal or connected with master unit.

CHARGING LED: Battery charging indicator, Red is charging, Green is full.

User instruction and safety regulation:

Recommended to use:

Read the user manual and labels on the lighting carefully before use.

Please use the unit where there is no rain.

When using, keep away of hot source, high pressure, avoid kids, never throw or hit the unit.

Use the supplied power adapter only, never charging over 24 hours.

BATTERY POWERED WIRELESS DMX LED PAR LIGHT

Never dismantle the light or battery by yourself, not to place the unit in a wet environment to avoid danger. When not using the unit for long term, please save the unit properly in a dry place, battery should be half charged.

Please bury the used unit, never throw to fire or water.

Danger Warnings

There are protection structure and circuit for the battery inside the unit, any inappropriate dismantling of the light or battery might break the protection function and lead to battery getting hot, smoking, deforming or fire. Never shortcircuit the unit.

Heating and burning will melt the battery separator, causing loss of protection function or burning of electrolyte and overheat will cause heating, smoking, deformation or burning of batteries.

Never use the unit in an environment over 80 degree; not to charge the unit close to fire source or under direct sun. Even never wet or throw the unit to water, otherwise, the protection function inside the battery might lose or abnormal chemical reaction might arise, causing battery to be hot, smoking, deformation or fire.

It is dangerous charging not to use the supplied power adapter.

Never break the light or battery, not to weld the battery or dismantle the battery to be used in other equipment, not to touch the leaked battery electrolyte.

Warning

Place the unit where kids can't reach.

If the charging time over the standard charging time for long, it is advised to stop charging. It will extend the charging time if charging while using, it is advised to turn off the light when charging.

Never place the unit inside microwave oven or any pressure container, instant heating or leakage (or abnormal smell), the unit should be abandoned and treated properly.

Not to use the unit in an environment where there is static electricity, the battery protection circuit might easily get broken if the static electricity is over 1000V, causing battery working abnormally, heating, smoking, deforming or fire.