

Working Position: Any safe working position
Power Supply: Switching power supply
Voltage: AC 95-240V /50~60Hz
Power Consumption: 100w
Colors: RGBWA Color Mixing
LEDs: 6 pcs 6in1 rgbwauv leds
Net Weight: 5.5Kg
Dimensions: 24*24*18cm
Warranty: 1 year

Note: All information is subject to change without prior notice.

2016-05-10



Please read over this manual before operating the light.

AC-LED W8901F

User Manual

Introduction

Unpacking: Thank you for purchasing the AC-LED W8901. Every AC-LED W8901 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 AC-LED W8901F is a DMX intelligent 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 manufacturer 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 maintenance of this unit. Please keep this manual with the unit, for future reference.

Features

- Multi-colors
- Control Channels: 3 / 4 / 6 / 9 / 11 CH
- Color Strobe
- Master/Slave synchronization
- DMX-512 protocol
- IR remote control
- Electronic Dimming 0-100%
- Operating Modes: Sound activation, Auto and DMX control mode, IR remote
- LED operation menu with function buttons
- Daisy Chain Units Together in DMX Mode
- 1-20 flashes/sec strobe effect

FADE	fade mode
FULL	all leds light up
G+B	custom color mode,press it to recall the custom color you set
RED	red color
GREE	green color
BLUE	blue color
WHIT	white color
AMBE	amber color
PURP	purple color

Battery charge

- 1.Left switch "O" ,right switch "I",only charge the battery
- 2.Left switch "O" ,right switch "O",light shut off
- 3.Left switch "I" ,right switch "O",battery in use
- 4.Left switch "I" ,right switch "I",battery in charge,also in use

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
 2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
 3. Always be sure to dry all parts completely before plugging the unit back in.
- Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not respond to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be 'hot'). Also, check that all cables are connected to the right connectors ; it does matter which way the inputs and outputs are connected.

Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit. If problems are not resolved, contact your dealer for service.

Specifications

Model: AC-LED W8901F

1. RF frequency- ----- 2. 400-2. 525 G, total 126 channels, it's searching automatically,
2. ID Code- - - -"1-7" groups ID code, press "KEY" for setting, it only can works under same ID code of transmitter and receiver.

Establishing Communication:

1. Power on DMX512 wireless received board and transmitted board.
2. Press "Key" button to set same ID value of transmitted board and received board., please use different ID value if you need use more than 1 group wireless net at same time in same place.
3. The red LED flashes when transmitter transmits DMX data by no interfered frequency section, then receiver changes communicated frequency section. Green LED flash till received corrected same ID value, LED flash more fast once DMX data more fast.
4. Communication was established correctly then

Caution:

- ✧ Don't repair this R/T board by yourself, it should be returned to manufacturer to repair if any problems.

Infrared remote control

To control the light you must aim the controller at the LEDs or LCD screen of the fixture . To used the remote control ,you must first activate the fixtures infrared receiver, To activate the fixtures infrared receiver you should press the button M/S on the remote control, when the display screen show "yes" means the light is on mast mode, Press "Slav" to chose the slave mode.

- ON/OFF turn on /off the light, If you don't need the light for a while, you could press OFF to save electric energy.
- AUTO Auto program
- SOUN sound active mode press UP or Down to chose sound active mode 1 or 2
- STRO strobe mode
- M/S master mode press it,the light is on master mode
- ADDR Address
- CH+ Channel
- FLAS flash mode

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 the 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 AC-LED W8901F. The AC-LED W8901F is workable in 95-240V/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.

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.

Operating Instructions

Operating Modes: You can use the The AC-LED W8901F in 5 ways:

- Sound activation – The unit will activated by the sound signal.
- Static display – The unit will display the pattern in static way.
- Auto Mode - The unit will automatically chase through the different patterns.
- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.
- Infrared remote control – This unit can be remote controlled by infrared remote controller.

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 fixture’s traits with a standard DMX 512 controller.
2. The LED Par uses 3 / 4 / 6 / 9 / 11 CH channels to operate. Please see “DMX Values 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 set up specifications that come with your DMX controller .
4. The unit can automatically recognize the DMX signal once the DMX connection is done.

DMX Values and Functions

3CH Mode

	Value	RGBWA+UV 6*6in1
CH1	0-255	RED dimmer (0-255)
CH2	0-255	GREEN dimmer (0-255)
CH3	0-255	BLUE dimmer (0-255)

Compatible series product as follows:



AC-DMX512-2(ID:0-15)

RAD-WI-DMX (ID:1-7)

XRL-WI-DMX(ID:1-7)

Operating manual:

3. ID code and LED color corresponding relationship:
 - 1: RED
 - 2: GREEN
 - 3: RED+GREED
 - 4: BLUE
 - 5: RED+BLUE
 - 6: GREEN+BLUE
 - 7: RED+GREED+BLUE
4. Press key 1 time to indicate ID setting, Press again to set ID, then ID value adding 1 each time by press
5. Working condition:
 - LED constant lit up: no DMX or wireless signal.
 - Red LED flash: transmitting.
 - Green LED flash: receiving

rid of connecting cable limited completely

And also can ensure without any time delay when signal data is transmitting, signal data is real time and reliably.

This product adopt 2.4G ISM frequency section(global opening section) without permission limited

High effective GFSK modulate ,communication design ; 126 channels jumping frequency automatically, high anti-jamming ability.

Application: Upgrade DMX512 stage lighting

Product feature:

1. Product name: 2.4G wireless DMX512 R/T moulding board
2. Small size, Easy to suit for interior of accessed lighting
3. Single key to operate, tricolor LED displaying
4. Transmitting standard DMX512 protocol data of console, also can transmitting lighting and lighting DMX512 protocol data.
5. 126 channels jumping frequency automatically, high anti-jamming ability. to ensure works reliability
6. 7 groups ID code settable, User can use 7 groups individual wireless net without any interfere each other in the same place..
7. Input voltage: 5VDC
8. Work frequency section: 2.4G ISM,126 channels frequency section
9. Max transmitting power rate: 20dBm
10. Receiver sensitive: -94dBm
11. Signal port: RS485 or CPU series port AURT

4CH Mode

	Value	RGBWA+UV 6*6in1
CH1	0-255	RED dimmer (0-255)
CH2	0-255	GREEN dimmer (0-255)
CH3	0-255	BLUE dimmer (0-255)
CH4	0-255	WHITE dimmer (0-255)

6CH Mode

	Value	RGBWA+UV 6*6in1
CH1	0-255	RED dimmer (0-255)
CH2	0-255	GREEN dimmer (0-255)
CH3	0-255	BLUE dimmer (0-255)
CH4	0-255	WHITE dimmer (0-255)
CH5	0-255	AMBER dimmer (0-255)
CH6	0-255	UV dimmer(0-255)

9CH Mode

	Value	RGBWA+UV 6*6in1
CH1	0-255	RED dimmer (0-255)
CH2	0-255	GREEN dimmer (0-255)
CH3	0-255	BLUE dimmer (0-255)
CH4	0-255	WHITE dimmer (0-255)
CH5	0-255	UV dimmer(0-255)
CH6	0-255	Auto
CH7	0-255	Auto Slow to Fast (0-255)

CH8	0-255	R, G, B,W STROBE from slow to fast (0-255)
CH9	0-255	SOUND (Off 0-15 ON 16-255)

11CH Mode

	Value	RGBWA+UV 6*6in1
CH1	0-255	RED dimmer (0-255)
CH2	0-255	GREEN dimmer (0-255)
CH3	0-255	BLUE dimmer (0-255)
CH4	0-255	WHITE dimmer (0-255)
CH5	0-255	AMBER dimmer (0-255)
CH6	0-255	UV dimmer(0-255)
CH7	0-255	R, G, B, W, A dimmer (0-255)
CH8	0-255	Auto
CH9	0-255	Auto Slow to Fast (0-255)
CH10	0-255	R, G, B,W, A STROBE from slow to fast (0-255)
CH11	0-255	SOUND 1 (Off 0-15, ON 16-100 Color change, Fade and Strobe, ON 101-255 Color Change & Fade)

Touch Buttons

There are four buttons under the LCD display: ESC, Up, Down, Enter. Normally, the LCD will display the current DMX address code of the fixture. At this time, press ESC to choose the function you want to set up. Press and hold Up or Down to fast scrolling within the menu options. When an option is flashing the LCD display, press Enter to confirm and ESC to exit.

1. Press the ESC button and UP button or DOWN button until A001 is displayed, then press ENTER

Addr	A001 to A512 dmx addr
Chnd	CH-mode: Ch 3 Ch 4 Ch 6 Ch 9 Ch 11
ANuv	red green blue white yell uv (000-255 dimmer)
CoLo	Color choose Co 1 to Co 32
Auto	Auto speed SPD 1 to SP 15
FAde	Color fade speed FA0 1 to FA 15
Soun	
FLSH	Color flash speed FL0 1 to FL 15
SLAU	Slave mode master to slave SL-N to SL-U
Ulr 1	Wireless open and off on and off
Id00	Wireless ID 1800 to 1815
bAtt	Battery indicate 000 to 100
lr	Remote open and off on and off

For wireless receiver

Wireless Module of DMX512

MODE: AC-DMX512-2