

18*18W IP65 WATERPROOF LED PAR LIGHT SW-E6V18



User Manual

SAFETY INSTRUCTION

Caution

Do not attempt any repairs yourself. Doing so will void your manufactures warranty. In the unlike event your unit may require service please contact us.

Warning

To prevent or reduce the risk of the electrical shock or fire, do not expose this unit to any moisture. Please read this manual carefully to familiarize yourself with basic operations of this unit

Safety precautions

1. Do not expose this unit to , wet moisture, explosive
2. Before plugging the power be sure local power outlets matches with the required voltage of the unit
3. Do not remove the cover under the circumstance in case you are not qualified to do so
4. Never connect the power when cover is removed
5. Never use this unit if it becomes damage
6. Never connect this unit to any if dimmer and / or power pack
7. If the unit will not be used for the long time , disconnect it from the power supply
8. Always mount this unit safe and stable and make sure the area will have proper ventilation. Take care this unit will not mounted in are close to heat sources such as lighting fixtures, amplifiers heat registers, stoves and radiators
9. Always contact us in case you have any doubts

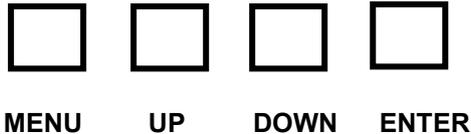
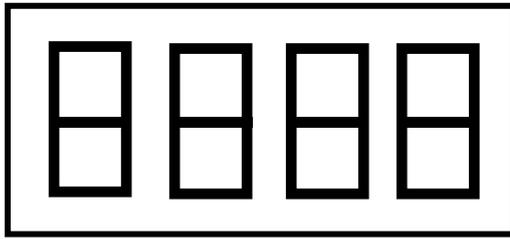
General Instruction

This is a battery powered and wireless Dmx intelligent RGBAW UV color light. User can control the light by using wireless Dmx transmitter or run at master and salve mode. Fixture it has 12 static color, user can set lights at static color mode without using the Dmx controller

FEATURE & INSTRUCTION

Product Name	18X18W 6IN1 RGBAW UV WATERPROOF LED PAR LIGHT
Model No	SW-E6V18
Brand	Sailwin
Input Voltage	AC110V-250V 50-60HZ
Power Consumption	180W
LED Chip	Tian Xin Brand
Material	Housing Aluminum
Control Mode	DMX512 Control Mode Sound Active stand alone
Color Effects	RGBAW UV 6in1 Color Mixing
PVM Dimmer	» 400HZ(6666 steps)
DMX Channel	7/12CH
Beam Angle	20/25/40 degree
IP Rate	IP65
Battery Last Time	100%: 12 Hours, 50%:22 Hours,10%:40 Hours
LED Lifespan	5000 Hours
Feature	Power in,Power out,DM in and DMX out port for easy connection
Cooling mode	Natural Convection and 1 Nos fan Flicker Free
Insulation Resistance	> 2 MΩ
NW	4KG
GW	6KG
Flight Case	88*55*35CM 68KG(8pcs/CTN) 61*60*37CM*4PCS/CTN)

MAIN MENU



Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to 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 out` doors 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.
- 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.

Power Supply: The Sailwin Hex Lion V18 Profile contains a switching(Dual Voltage) voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage; this unit can be plugged in anywhere. Light can recharge and use at same time.

DMX-512: DMX is short for Digital Multiplex. This is a universal proprotocol used as a form of communication between intelligent fixtures and controllers. A wireless transmitter/ DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible or connect wireless transmission. 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 Addr-A001 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 A0011, the DMX controller knows to send DATA assigned to address A001 to that unit, no matter where it is located in the DMX chain/Controller.

Data Cable (DMX Cable) Requirements (For DMX Operation): The Hex Lion Par V18 Profile can be controlled via DMX-512 protocol/Wireless DMX(sell separately). The Hex Lion V18 Profile has 7/12 DMX channel modes,. The DMX address is set on the back panel of the Hex Lion V18 Profile. Your unit and your DMX controller require a standard 3-pin XLR connector/wireless DMX Transmitter for data input and data output. We recommend Sailwin-Cable DMX cables/Wireless Transmitter. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores) or 2.4Mhz Wireless Transmitter/Receiver. Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that DMX cable must be daisy chained and cannot be split.

Notice: Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

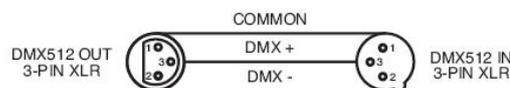


Figure 2

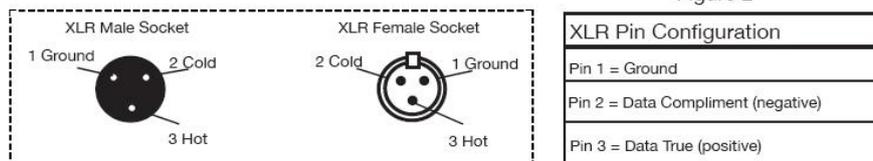


Figure 3

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -).

This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (Sailwin part number R-DMX/T) will decrease the possibilities of erratic behavior

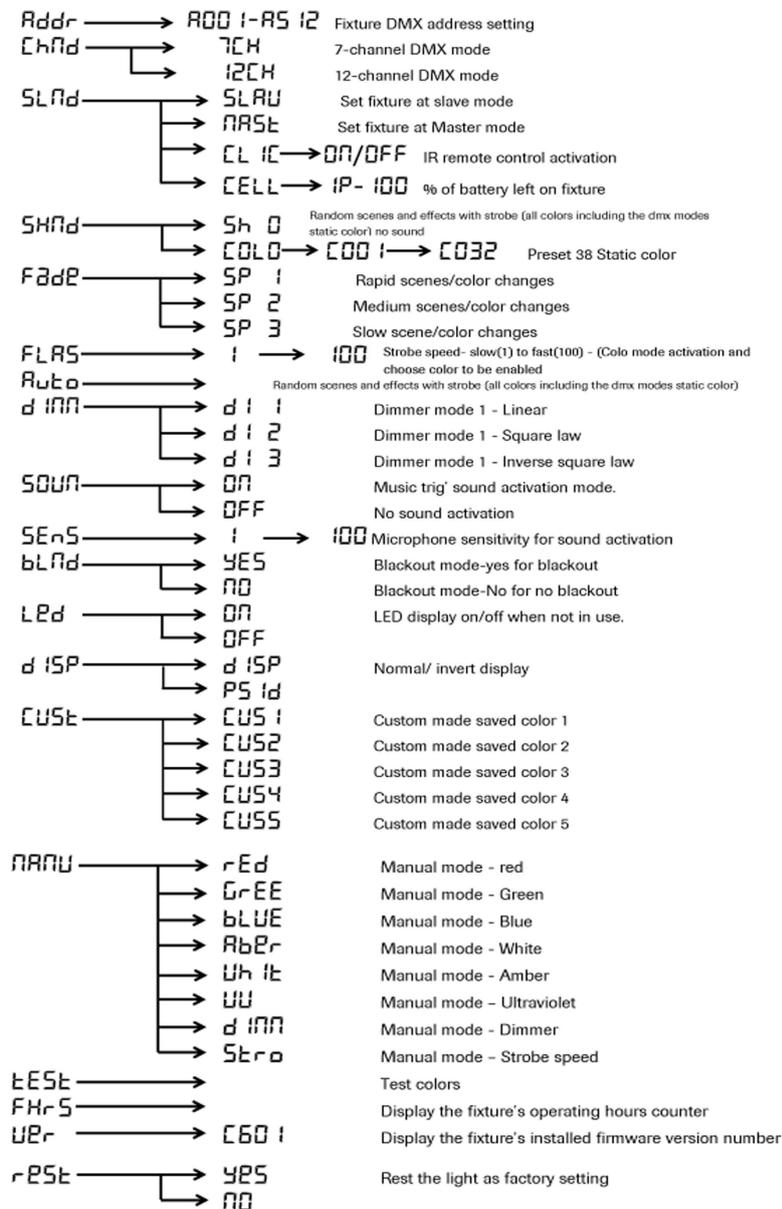


Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

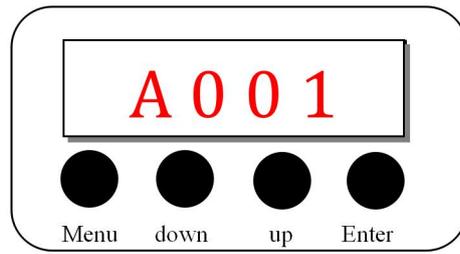
Figure 4

5-Pin XLR DMX Connectors. Some manufactures use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

LED Display menu details. Press UP/DOWN and Enter Button to choose option and Confirm.



LED Display Inversion:



After initialization, the unit is ready for setting and working.

This function will allow you to “flip” the LED display.

1. Plug the fixture in and press the MENU button until “ADDR” is displayed-ENTER “A001” represents either DMX Connection Mode
2. Press the UP or DOWN button to “flip” the display. Press the MENU button to exit.

Default Running Mode:

This is a default running mode. When this mode is activated all modes will return to their default settings.

1. Press the MENU button until “ADDR” ENTER- Press A001 and press ENTER for DMX Mode.
2. Press the UP and DOWN buttons simultaneously. Press the MENU button to exit.
3. Press MENU- UP/DOWN-SLDN –NAST(Master mode) SL1(Salve mode)
4. Press MENU- UP/DOWN –SHND-SOUN for sound active mode
5. Press MENU- UP/DOWN- SHND-COLO – AUTO to choose auto color mixing
6. Press MENU- UP/DOWN-SLND-NAST-UP/DOWN-SHND-COLO-CO1 to CO15
Static color and choose CO12 for the custom color.
7. Choose NANU then Enter then put the value of each color RGBA or RGBW then Enter, to display the customized color go to CO12 or CO13 then press Enter.

Master-Slave Configuration:

This function will allows you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling unit’s built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the “Master.”

Master and salve connection setting without using the DMX controller

1. Daisy chain your units via the XLR connector or DMX cable on the rear of the unit.
Use standard XLR data cables to link your units together. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.

2. Set first light at "NAST" and rest of fixtures on SL1 Mode. It means first fixture will be the master fixture which send same operating command to other fixtures of the network (we call those other fixture on Slave mode or SI1 or SI2)
3. After done this setting of No 2, now all fixtures are connected and ready to go or ready to get command of the first fixture or master fixture. Now you can set different operating modes, example: sound active, static color, auto or fade. Once you set the modes at first master unit other fixtures will start to project same the effect as master unit did.

Master and slave connection setting by using the DMX controller

Connect the DMX controller and Fixture by using the DMX cable. Link other units with first fixture and rest of unit, set all fixtures at SI1 or SI2 mode. Once you set the fixture it will appear "A001" or "STBY" it means now fixture ready to go with DMX controller.

DMX Control:

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. Follow the directions below to set your DMX Mode and address.

Before connecting to DMX controller, your fixture has different DMX channel modes, please select your desired mode by pressing the DMX Mode button, then using the "up" or "down" buttons to scroll through the DMX Channel Modes. Set the mode SI1 or SI2 before you address the fixture.

How to group fixtures/ project different colors in different fixtures by using same DMX controller/how to set DMX address so user can control the fixture and project different color at same time by same DMX controller?

1. First make sure how many groups you are going to create which you are planning to control by 1 DMX controller. In 1 group you can link minimum 1 to maximum 33 fixtures.
2. Link all fixtures with each other by Cable or link each group in DMX splitter. DMX splitter is a device which helps to split the DMX signals to different group, DMX splitter will be useful and needed if you are going to control over 33 fixtures at once. In market you can find 8 channels, 16 channels and 32 channel DMX splitter.
3. Once you made the link or network, Now you can put address value in "Addr" or "A001". Remember always that you need to put gap between 1st group and second group or third group or in each group depends on the DMX channel. On Hex Lion par 18 it has 7/12 DMX channel, let's say user choose 12 DMX channel and want to make the 4 group each group it has 10 fixtures. Set first 10 pcs fixtures to A001, set second group's all 10pcs fixtures at A013, set third group all fixtures at A026 and set all fixtures of the group 4 in A039. It means that DMX controller feeder 1- 12 it will control fist group, 13-25DMX controller feeder it will control group 2, 26-38DMX controller feeder will control the group 3 and 39-51 DMX controller feeder it will control the group 4. We put here gap of the 12 because we set the light at 12DMX channel mode. here A001(01), A013(13), A026 (026) and A039(39) those in bracket (01),(13), (26) and (39) those it will be referred as DMX channel number 1 of each group also DMX controller's feeder number. Use the feeder of the DMX controller to control the fixtures separately.

7 CH Modes

Channel	Value	Description
CH 1	0	No action
	1-255	RED dimmer
CH 2	0	No action
	1-255	GREEN dimmer
CH 3	0	No action
	1-255	BLUE dimmer
CH 4	0	No action
	1-255	Amber dimmer
CH 5	0	No Action
	1-255	White dimmer
CH 6	0	No Action
	1-255	Ultraviolet dimmer
CH 7	0	No Action
	1-255	Strobe speed

12 CH Modes

Channel	Value	Description
CH1	0	No action(blackout)
	1-255	RED dimmer--Bright
CH2	0	No action (blackout)
	1-255	GREEN dimmer--Bright
CH3	0	No action (blackout)
	1-255	BLUE dimmer--Bright
CH4	0	No action (blackout)
	1-255	Amber dimmer-Bright
CH5	0	No action (blackout)
	1-255	White Dimmer-Bright
CH6	0	No action(blackout)
	128-255	UV dimmer-Bright
CH7	0-127	No action (blackout)
	128-255	Static colors
CH 8	0	No action (blackout)
	1-255	Shutter- ON/OFF
CH 9	0	No action (blackout)
	1-255	Strobe speed
CH 10	0	No action (blackout)
	1-255	RGBAWUV slow to fast random color change
CH 11	0	No action (blackout)
	1-255	Auto color change slow to fast without strobe
CH 12	0	No action (blackout)
	1-255	Auto color change with strobe along with sound

Trouble Shooting:

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

Unit not responding 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.

SOME LED OFF or dead or color dead

Sometime due to shipping and pressed by the lens some leds may not project 1 or 2 color, to solve the problem make sure which led are turnoff or dead, use pin or testpin to find the problem once you find out the broken point do welding on that breakpoint.

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).

Warranty:

We offer one year warranty, please contact us if you have any questions during light not work properly.



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