



soundSation

USER MANUAL

PAR-18W-5-B/BW

BATTERY POWERED REMOTE
AND WIRELESS 6IN1 LED PAR
(5*18W RGBWA+UV 6IN1 LED)



Please read this manual carefully and proper take care of this manual.



Dear customer,

First of all thanks for purchasing a SOUNDSATION® product. Our mission is to satisfy all possible needs of musical instrument, professional audio and lighting users offering a wide range of products using the latest technologies.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and possible improvements to introduce in the next future. Go to our website www.soundsationmusic.com and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team

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I. GETTING STARTED

I.1 Important Safety Symbols



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON

Denotes the apparatus is turned on

OFF

Denotes the apparatus is turned off

WARNING:

Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION:

Describes precautions that should be observed to prevent danger of the apparatus.

I.2 Important Safety Instructions

- ▶ Read these instructions
- ▶ Keep these instructions
- ▶ Heed all warning
- ▶ Follow all instructions

1.2.1. WATER / MOISTURE

This lighting is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 10 meters while operating.

1.2.2. HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat. Fixture may carry high heat, do not aim at objective exceeding 2 minutes.

1.2.3. VENTILATION

The unit must be installed in a location with adequate ventilation, at least 5m away from adjacent surfaces. Be sure that no ventilation slots are blocked.

1.2.4. OBJECT AND LIQUID ENTRY

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

1.2.5. INSTALLATION

Always secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.

1.2.6. POWER CORD AND PLUG

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

1.2.7. POWER SUPPLY

Always make sure that you are connecting to the proper voltage and the line voltage not higher than stated on the decal or rear panel of the fixture. Unplug this apparatus during lightning storms or when unused for long periods of time.

1.2.8. FUSE

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

1.2.9. ELECTRICAL CONNECTION

Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine. Improper electrical wiring may invalidate the product warranty.

To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Do not power on and power off the fixture in a short time.

1.2.10. DMX CONNECTION

When use DMX controller, please make sure that there is no interference sources (e.g. intercom, high frequency radio waves and radiation source).

1.2.11. CLEANING

Clean only with a dry cloth. Do not use any solvents such as benzene or alcohol.

1.2.12. SERVICING

In case of failure or mis-function occurred, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Buy the same spare parts/components from manufacturer directly.

Any damage that caused by violating this manual is out of insurance, our company will not take the responsibility.

1.2.13. WARNING

Avoid direct eye exposure to the light source while it is on.

1.3 Before You Start

1.3.1 UNPACKING


Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions.

1. Battery powered PAR light
2. 1.2m power cable
3. Remote control (CR2025 Lithium battery not included)
4. 2 metal brackets with 2 wing grips and 4 washers
5. User Manual

If anything damaged during transport, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If the fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

1.3.2 GETTING STARTED

Make sure there is enough space around the unit for proper ventilation and prevent overheating; do not place the unit on top of hot devices such as radiators or power amplifiers. The console is connected to mains through the supplied cable. The product meets the required safety standards. Blown fuses must be replaced with fuses of the same type and specification.

 **Make sure that all units must be properly grounded. For your safety, you should never remove any ground connector from electrical devices or power cables, or make them inoperative.**

Our products are subject to a process of continual further development. Therefore modifications to the technical features remain subject to change without further notice.

2. PRODUCT OVERVIEW

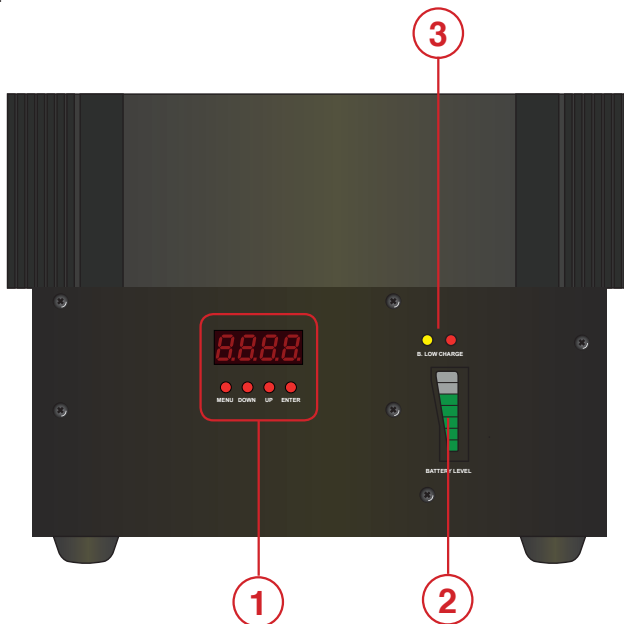
PAR-18W-5-B / BW combine all the benefits of LED technology with the portability of battery power and convenience of wireless DMX connection (BW model only). They are equipped with 5pieces of high brightness and long-life 18W RGBWA-UV 6in1 LEDs.

In addition to wired DMX512 control (through the XLR In / Out connectors) and wireless DMX512 control (only on BW models), the fixture can be also controlled from a handy IR remote control.

The PAR-18W-5-B / BW are thus the perfect answer to all those lighting needs where you do not always have MAINS and DMX connections at hand or simply do not have time to prepare them, ensuring an operation by up to 5-8 hours depending on the type of use.

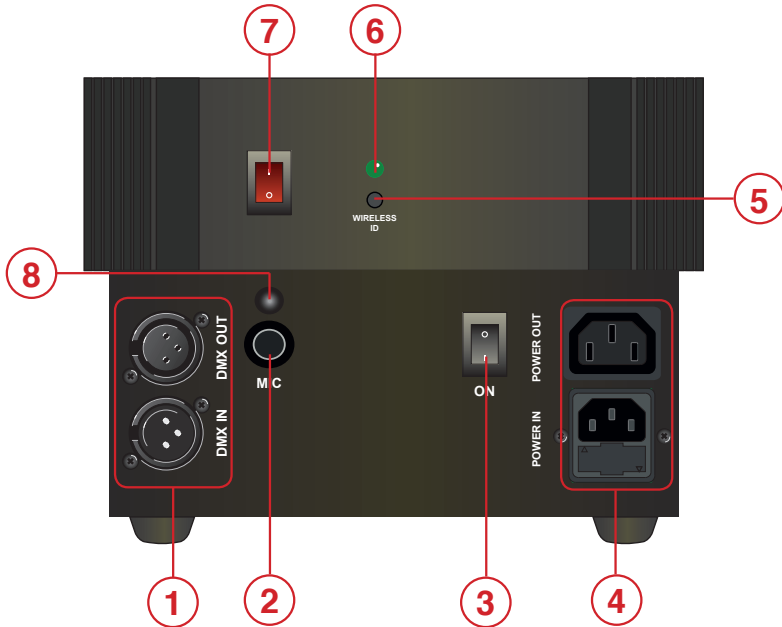
2.1. Front and Rear panels

Front Panel



1. LED Display and control panel: they allow the user to set up the fixture
2. Battery charge level: The 7-LED bar indicates the remaining battery charge
3. The Red LED flashes during battery charge. Once fully charged, it turns green and stop flashing. Yellow LED flashes to indicate that battery is running low.

Rear Panel



1. DMX512 In/Out connectors
2. Microphone (used in Sound Mode)
3. Power On/Off switch
4. Power IN / Out VDE connectors
5. Wireless ID switch to set wireless DMX ID number (only BW version)
6. Wireless DMX operation indicator (only BW version)
7. Wireless DMX On/Off switch (only BW version)
8. Wireless DMX antenna (only BW version)

2.2. Mains Connections

Connect the device to the mains with the power-plug. The wire correspondence is as follow:

WIRE	PIN	INTERNATIONAL
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⊕

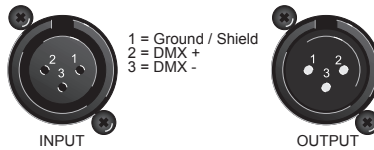
The earth must be connected! Pay attention to safety!

Before taking into operation for the first time, the installation has to be approved by an expert.

2.3. DMX-512 Connection

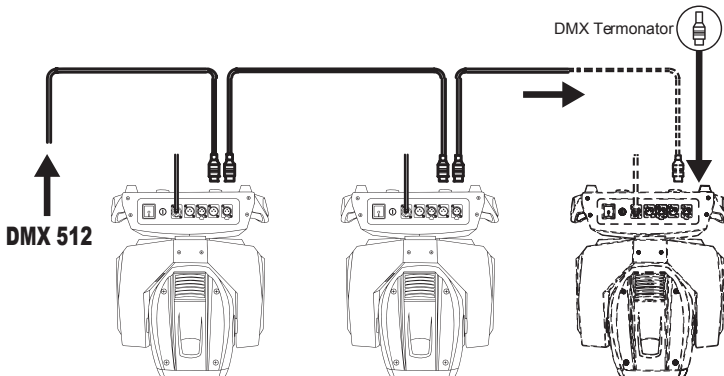
The wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly. Only use a DMX cable, 3-pin XLR plugs and connectors in order to control with the fixture or one fixture with another.

DMX use of XLR connectors



If you are using the recommended controllers, you can connect the DMX output of the controller directly with the DMX input of the first fixture in the DMX chain. If you wish to connect DMX controllers with other XLR output, you need to use adapter-cables.

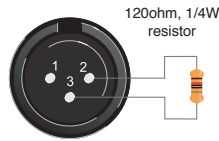
3.2.3. BUILDING A SERIAL DMX CHAIN



Connect the DMX output of the first fixture in the DMX chain with the DMX input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

DMX Terminator



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

👉 **Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**

3. PRODUCT SPECIFICATION

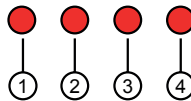
- ▶ LED source: 5pcs 18W RGBWA+UV 6in1 LEDs
- ▶ Built-in Master-Slave, Sound, Jump, Fade and Auto modes
- ▶ Built-in various strobe functions
- ▶ LED display, easy to control
- ▶ Suitable for disco, club, bar, party and DJ shows
- ▶ DMX Channel Modes: 2CH, 3CH1, 3CH2, 4CH, 5CH, 6CH and 9CH
- ▶ DMX wireless control (only on BW versions)
- ▶ Voltage: AC100-240V 50/60Hz
- ▶ Power consumption: 100W
- ▶ Built-in 22Vcc/4Ah rechargeable battery pack for up to 7-8 hours of use
- ▶ Light size: 256 x 233 x 151 mm
- ▶ Packing size: 270 x 210 x 270 mm
- ▶ Gross weight: 3.6kg
- ▶ Net weight: 3.0kg

3.1. LUMEN AT 1 METER:

R	1400 Lux
G	1900 Lux
B	2200 Lux
W	3100 Lux

A	1000 Lux
UV	700 Lux
Full bright	10000 Lux

4. LED DISPLAY

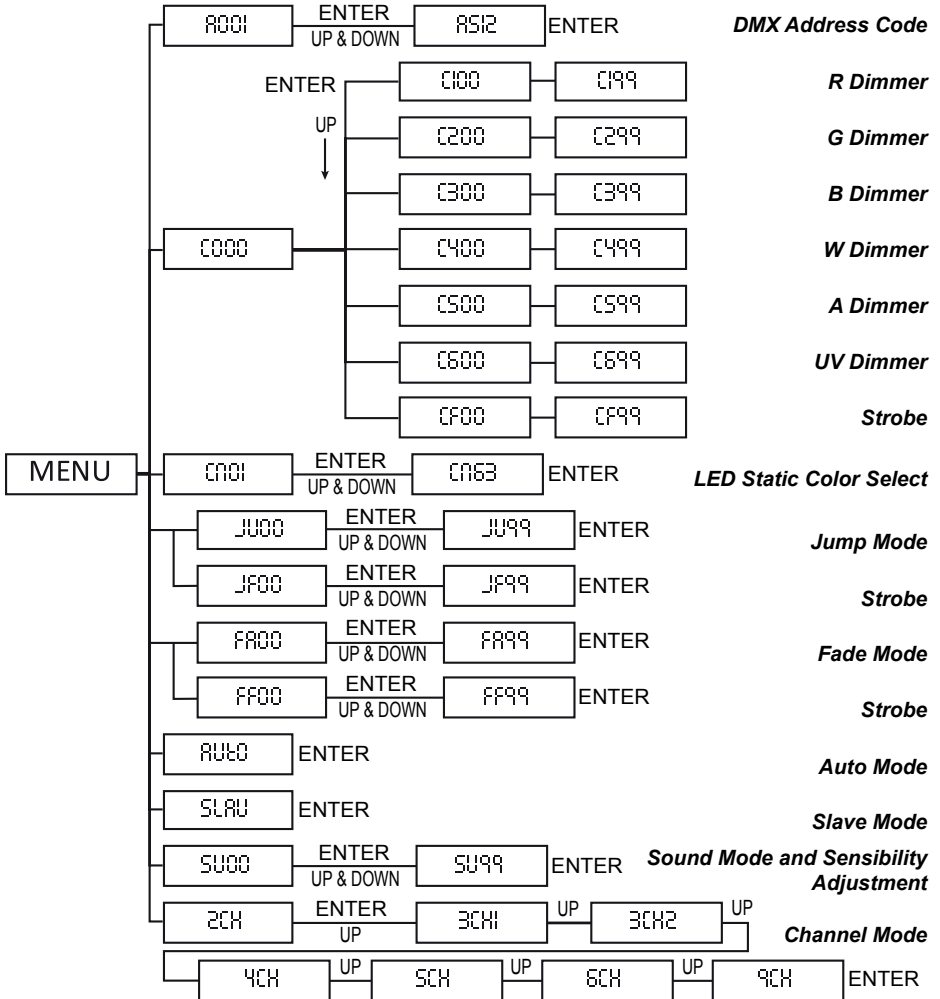


Item	Sq No.	Display	Function
Button:	1	MENU	Enter the menu
	2	DOWN	Next menu
	3	UP	Previous menu
	4	ENTER	Enter the select function

4.1 LED display function

Press **MENU** button to choose a function and **ENTER** button to enter the chosen function; then press **UP/DOWN** button to select a parameter and **ENTER** to confirm.

Menu operation as follows:



5. CHANNEL MODE INSTRUCTION (choose R001 default address code)

2CH/3CH1

2CH	3CH1	Value	Function
1	1	000-255	Full Dimmer, 0-100%
2		000-255	LED color Select
	2	000-255	Strobe, Speed from slow to fast
	3	000-004	Black out
		005-080	LED color select (1-63 types)
		081-150	Jump Mode
		151-220	Fade Mode
		221-255	Sound control mode

3CH2/4CH/5CH

3CH2	4CH	5CH	Value	Function
1	1	1	000-255	R Dimmer, 0-100%
2	2	2	000-255	G Dimmer, 0-100%
3	3	3	000-255	B Dimmer, 0-100%
	4	4	000-255	W Dimmer, 0-100%
		5	000-255	A Dimmer, 0-100%

6CH/9CH

6CH	9CH	Value	Function
	1	000-255	LED full dimmer, 0-100%
	2	000-255	Strobe, speed from slow to fast
1	3	000-255	R Dimmer, 0-100%
2	4	000-255	G Dimmer, 0-100%
3	5	000-255	B Dimmer, 0-100%
4	6	000-255	W Dimmer, 0-100%
5	7	000-255	A Dimmer, 0-100%
6	8	000-255	UV Dimmer, 0-100%


9	000-004	Remain unchanged
	005-080	LED static color select (1 - 63 types)
	081-150	Jump mode
	151-220	Fade mode
	221-255	Sound control mode

6. IR REMOTE AND WIRELESS DMX CONTROL

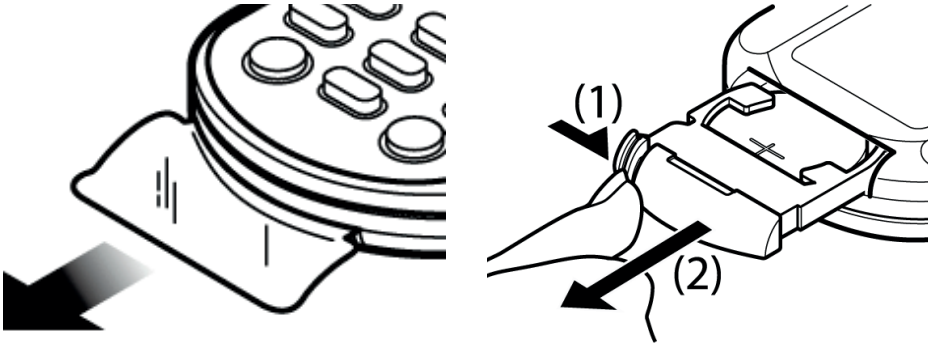
6.1. IR remote control

PAR-18W-5-B and BW use an IR remote to control the light. It operates within 5m from the fixture.




 **NOTE:** Please notice that the remote needs a CR2025 3V Lithium battery (not included).

Using the remote control does not require any special settings; the only indication is that the remote control does not operate when the fixture is in DMX mode (and the display shows an “A” followed by the number of current DMX channel). It is therefore necessary to switch to any other menus (Color, Static Color, Jump, Strobe, etc.).

6.1.1. PREPARING THE REMOTE CONTROL UNIT

- Pull the battery sheet out from the remote control unit in the direction of the arrow.
- Use a commercially available button battery (CR2025). Insert the battery with the + side facing upward, following the illustration inside the case.
- Keep on sliding (1)
- Pull out (2)

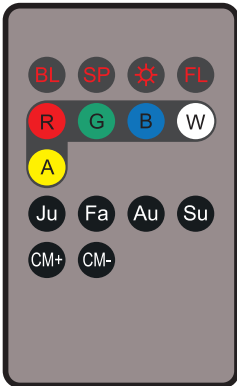
 **CAUTION:** Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly. If swallowed contact physician immediately.

Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.

Do not set the remote control in hot places such as on the dashboard.

The Lithium battery is in danger of explosion if replaced incorrectly. Replace only with the same or equivalent type.

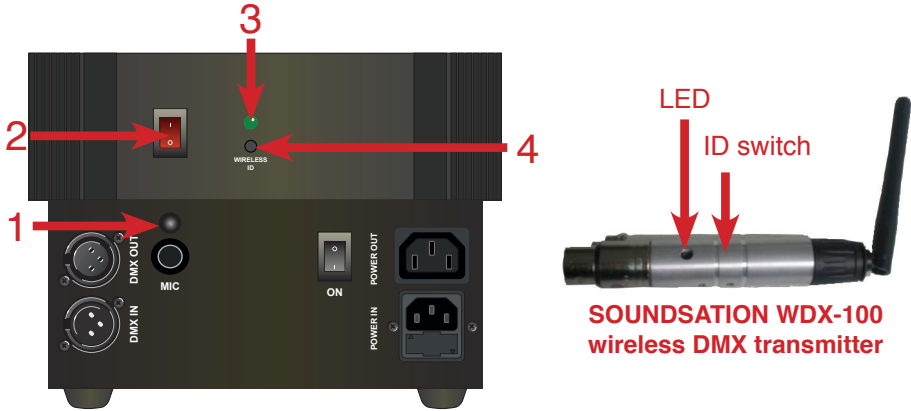
6.1.2. REMOTE CONTROL FUNCTIONS



BL	Switches blackout function on and off
SP	By pressing repeatedly, increases/ decreases speed during non-static functions (Jump, Fade, Auto, etc.). 6 steps available.
	By pressing repeatedly, increases/ decreases brightness. 6 steps available.
FL	By pressing repeatedly, increases/ decreases strobo effect. 6 steps available.
R	Adds/subtracts to final color 7 levels red
G	Adds/subtracts to final color 7 levels green
B	Adds/subtracts to final color 7 levels blue
W	Adds/subtracts to final color 7 levels white
A	Adds/subtracts to final color 7 levels amber
Ju	Activates/dis-activates Jump mode
Fa	Activates/dis-activates Fade mode
Au	Activates/dis-activates Auto mode
Su	Activates/dis-activates Sound mode
CM+	Activates Static Color mode. By pressing repeatedly, increases by 1 among 62 main combinations
CM-	Activates Static Color mode. By pressing repeatedly, decreases by 1 among 62 main combinations

6.2. Wireless DMX512 control (only BW versions)

This fixture features a built-in DMX 512 wireless receiver, which operates on 2.4GHz ISM frequencies (2.400 - 2.525GHz) at a maximum distance of 400 meters (without obstacles). It can manage up to 7 IDs with 126 DMX total channels.



1.	Antenna
2.	DMX Wireless Receiver On/Off switch
3.	LED indicator
4.	ID setting switch

System works with SOUNDSATION WDX-100 wireless DMX transmitter (optional). Contact your SOUNDSATION local dealer or visit www.soundsationmusic.com for further information.

Working conditions:

LED constant lit up:	no DMX or wireless signal.
Red LED flash:	transmitting
Green LED flash:	receiving
RF frequency:	2.400-2.525 G, total 126 channels

6.2.1. ID CODE AND LED COLOR CORRESPONDENCE

DMX data communication occurs only if transmitter and receiver are both under same ID code. Each ID has a different assigned color as shown in next table.

ID	COLOR
1	RED
2	GREEN
3	RED+GREEN
4	BLUE
5	RED+BLUE
6	GREEN+BLUE
7	RED+GREEN+BLUE

6.2.2. ESTABLISHING COMMUNICATION

1. Power on DMX512 wireless receiver by using switch 2 on PAR-18W-5-BW
2. Power on SOUNDSATION WDX-100 Wireless Transmitter board (or other compatible transmitters - contact your SOUNDSATION local dealer for further information)
3. Press “Key” button to set same ID value on transmitter and receiver (please use different ID values if you need to use more than 1 group wireless network at same time in same place)
4. LED on transmitter turns red and flashes when it sends DMX data by no interfered frequencies
5. If same ID value is set on both devices and there are no interferences, LED on receiver turns green and flashes. The faster DMX data are, the faster it flashes
6. Then communication is established correctly

7. RECHARGEABLE BATTERY

PAR-18W-5-B and BW can run either on AC or battery. They embed a rechargeable battery pack for up 7-8 hrs in auto mode or single color at 100% intensity; 5 hrs in full color at 100% intensity.

7.1. Battery charging instructions

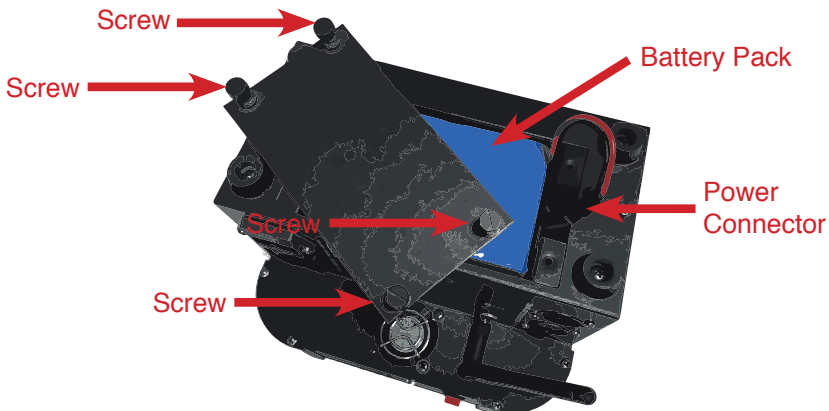
- Connect the fixture with power cord to a proper mains outlet and switch on the unit
- Red LED above charge level bar flashes until battery is not fully charged
- To fully charge, the battery takes about 8 hours (4 hours at least)
- Once fully charged, the red LED turns green and stop flashing
- Yellow LED indicates that battery is running low.

 **Note:** For extending battery life, please recharge the battery within 6 hours after it has completely run out.

7.2. Battery replacement guide

To remove or replace the battery pack, follow the instructions below:


- Turn off and disconnect the unit from power
- Unscrew the four screws that close the door on the bottom and remove it



- Partially extract the pack and gently disconnect the power connector, paying attention to not damage its wires.
- Replace the pack with the same size and characteristics specified in this

manual (22Vcc-4Ah)

- Contact SOUNDSATION Customer Support if you have questions

 **Note: If you're going to power the unit on AC for a long time, it is advisable to remove the battery pack, in order to avoid it to be charged beyond its charging time.**

7.3. Battery safety and disposal instructions

Please follow the instructions below for safe handling of and proper disposal of user-serviceable batteries.

- Do charge rechargeable batteries with the instructions and correct charging equipment supplied with your SOUNDSATION product.
- Do store batteries in a cool, dry place at normal room temperature. Remove batteries from devices that will be stored unused for extended periods.
- Do dispose of batteries according to the local laws and regulations of your region. Some batteries may be recycled, and may be accepted for disposal at your local recycling center.
- Do contact SOUNDSATION Customer Support if you have questions about proper handling of batteries. Batteries may present a risk of fire, explosion, or chemical burn if mistreated.
- Do not disassemble, puncture, modify, drop, throw, or cause other unnecessary shocks to batteries.
- Do not dispose of batteries in a fire or trash incinerator, or leave batteries in hot places such as a automobile under direct sunlight.
- Do not store batteries near an oven, stove, or other heat source.
- Do not connect batteries directly to an electrical source, such as a building outlet or automobile power-point.
- Do not place batteries into a microwave oven, or into any other high-pressure container.
- Do not immerse batteries in water or otherwise get them wet.
- Do not short circuit batteries; for example, do not carry loose batteries in a pocket or purse with other metal objects, which may inadvertently cause a battery to short circuit.
- Do not use batteries, or charge rechargeable batteries, that appear to be leaking, discolored, rusty, deformed; emit an odor; or are otherwise abnormal.
- Do not touch leaking batteries directly; wear protective material to remove the batteries and dispose of them properly immediately.

- Do not reverse the polarity (positive and negative terminals) of batteries.
- Do not continue to charge batteries beyond the specified time.
- Do not give batteries to young children, or store batteries where children may access them.
- Do not put batteries in mouth. If swallowed, contact physician or local poison control center immediately.

8. WARRANTY AND SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty:

- Any accessories supplied with the product
- Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUNDSATION.

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari , 10 – 62017 Porto Recanati - Italy . In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com

9. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) only



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.



MADE IN CHINA

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