



**soundSation**

## **PAR-18-18W-IP65**

**18x18W RGBWA+UV 6in1 LED PAR Light for  
Outdoor use (IP65)**

---



## **USER MANUAL**

*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](http://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

**TABLE OF CONTENTS**

<b>1. 1. INTRODUCTION .....</b>	<b>5</b>
1.1. UNPACKING .....	6
1.2. ACCESSORIES.....	6
<b>2. OVERVIEW.....</b>	<b>6</b>
<b>3. MAIN FEATURES .....</b>	<b>6</b>
<b>4. OVERHEAD RIGGING .....</b>	<b>7</b>
<b>5. MAINS CONNECTIONS .....</b>	<b>7</b>
<b>6. DMX CONNECTION .....</b>	<b>7</b>
6.1. DMX Terminator .....	8
6.2. 3-Pin vs 5-Pin DMX cables .....	9
<b>7. FRONT PANEL .....</b>	<b>9</b>
<b>8. MENU INSTRUCTION .....</b>	<b>10</b>
<b>9. OPERATION MODES.....</b>	<b>10</b>
<b>10. DMX Channel Chart .....</b>	<b>11</b>
<b>11. SPECIFICATIONS .....</b>	<b>13</b>
<b>12. WARRANTY AND SERVICE .....</b>	<b>14</b>
<b>13. WARNING.....</b>	<b>14</b>

**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.



To protect the environment, please try to recycle the packing material as much as possible



Don't throw this product away just as general trash, please deal with the product follow the abandon electronic product regulation in your country.

**TAKING CARE OF YOUR PRODUCT**

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

**WATER / MOISTURE**

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

**HEAT**

The apparatus should be located away from heat sources such as radiators, stoves or

other appliances that produce heat. Do not use it when maximum ambient temperature is higher than 40°C.

### **OBJECT AND LIQUID ENTRY**

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

### **POWER CORD AND PLUG**

Protect 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. Unplug the unit when it is not used for a longer time.

### **ELECTRICAL CONNECTION**

Always disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type. Cut off power before moving, repairing and cleaning the unit. 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.

### **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).

### **CLEANING**

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

### **SERVICING**

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

## **I. I. INTRODUCTION**


Thank you for purchasing our PAR-18-18W-IP65 graphic laser. Enjoy your new equipment and make sure to read this manual carefully before operation!

This user manual is made to provide both an overview of controls, as well as information on how to use them. In order to help you to understand the connections between the various controls, we have gathered in groups according to their functions.

## I.1. UNPACKING

Your PAR-18-18W-IP65 was carefully packed to ensure safe transport. Despite this, we recommend you to carefully examine the package and its contents for any signs of physical damage, which can occur during transport. It is composed by following parts:

- ▶ Waterproof PAR light
- ▶ Power Cable
- ▶ DMX Cable
- ▶ User manual

 **ATTENTION: Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.**

## I.2. ACCESSORIES

SOUNDSATION can supply a wide range of quality accessories that you can use with your PAR-18-18W-IP65, like Cables, Splitters, DMX controllers, and a wide range of fixtures.

All products in our catalogue has been long tested with this device, so we recommend you to use Genuine SOUNDSATION Accessories and Parts.

Ask your SOUNDSATION dealer or check out our website [www.soundsationmusic.com](http://www.soundsationmusic.com) for any accessories you could need to ensure best performance of the product.


## 2. OVERVIEW

Especially designed for outdoor use thanks to the IP65 protection degree, SOUNDSATION PAR-18-18W-IP65 is the right choice for architectural applications when a powerful (18 x 18W) projector is required. It offers a complete color palette thanks to the 6in1 LED technology, which provides Red, Green, Blue, White, Amber and Ultra Violet basic colors. The accurate and smooth color mixing, the 6CH/7CH/10CH DMX control mode, the Master/Slave, Auto, and Sound Active modes make this fixture extremely versatile.

## 3. MAIN FEATURES

- ▶ DMX512 protocol, Master/Slave mode, Sound Active mode, Auto Run mode
- ▶ Light source: 18x18W RGBWA+UV 6in1 LED
- ▶ Light Emission: 30000 Lux @1m (RGBWA+UV max)
- ▶ Beam Angle: 40°
- ▶ DMX channel modes: 6CH / 10CH-1 / 10CH-2
- ▶ LED display for quick access to setup
- ▶ Suitable for Disco, club, bar, DJ gig, etc.

## 4. OVERHEAD RIGGING


 **WARNING: The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and /or damage to property. Overhead rigging required extensive experience! Working load limits should be respected, Certified installation materials should be used, the installed device should be inspected regularly for safety.**

- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging, make sure that the installation area can hold minimum point load of 10 times the device"s weight. The device should be well fixed; a free swinging mounting is dangerous and may not be considered!
- Before the first time use, it must be inspected by professional staff to make sure safety, inspection regularly every year.

## 5. MAINS CONNECTIONS

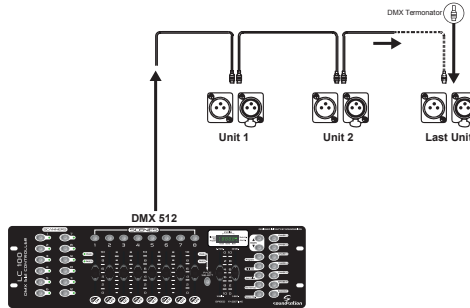
Connect the device to the mains with the supplied power cable. Please note that power voltage and frequency are the same as the marked voltage and frequency of device when connecting power. Wire correspondence is as follow:

Cable (EU)	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⊕

 **The earth must to be connected! Pay attention to the safety! Before taking into operation for the first time, the installation has to be approved by an expert.**

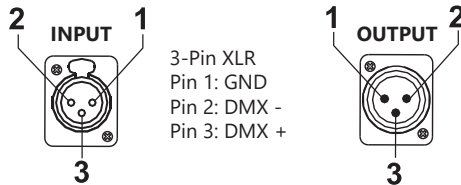
## 6. DMX CONNECTION

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling.



Connect fixtures using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

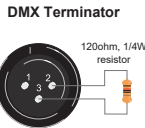
**DMX use of 3-Pin XLR Connectors**



**CAUTION:** Wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly.

**6.1. DMX Terminator**

DMX is a resilient communication protocol, however errors still occasionally occur. In order to prevent electrical noise from disturbing and corrupting the DMX control signals, a good habit is to connect DMX output of last fixture in the chain to a DMX terminator, especially over long signal cable runs.



The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain. The connections are illustrated below.

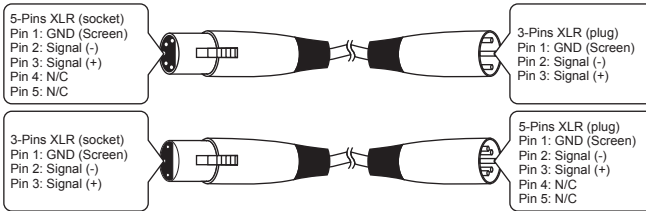
**Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**



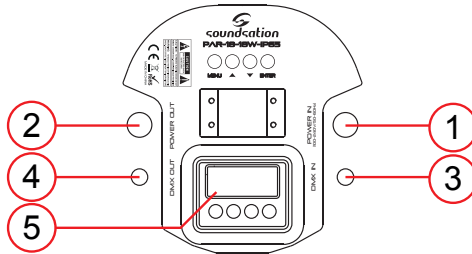
### 6.2.3-Pin vs 5-Pin DMX cables

DMX connection protocols used by controllers and fixtures manufacturers are not standardized around the world. However, two are the most common standards: 5-Pin XLR and 3-Pin XLR system. If you wish to connect your fixture to a 5-Pin XLR input fixture, you need to use an adapter-cable or make it by yourself.

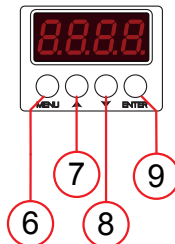
Following the wiring correspondence between 3-Pin and 5-Pin plug and socket standards



## 7. FRONT PANEL



1. **Power Input:** Power input cable
2. **Power Output:** Power output cable
3. **DMX input:** 3-wire DMX input cable
4. **DMX output:** 3-wire DMX output cable
5. **LED display:** User interface to control fixture operation and settings.



6. **MENU:** Used to select different menu items.
7. **UP:** To go up in the menu and to increase values shown on the display.
8. **DOWN:** To go back in the menu and to lower values shown on the display.
9. **ENTER:** Used to confirm your choice.

## 8. MENU INSTRUCTION

With the help of the LED display, it's very easy to set and change operating mode.

Display	Instruction
A001 (A001 - A512)	10 channel mode
d001 (d001 - d512)	6 channel mode
H001 (H001 - H512)	10 channel mode
CL01 (CL01 - CL32)	32 build-in color
CC01 (CC01 - CC99)	Color jump, speed from slow to fast
EE01 (EE01 - EE99)	Slow off, quick on, speed from slow to fast
FF01 (FF01 - FF99)	Color fade, speed from slow to fast
ST01 (ST01 - ST32)	1-32 kinds of strobe effect
SP01 - SP99	Speed from slow to fast
SOU1 (SE01-SE99)	SOU1: led changeable effect
SOU2 (SE01-SE99)	SOU2: strobe effect
SOU3 (SE01-SE99)	SOU3: Lightning strobe effect
R255 (R000—R255)	Red Dimmer, 0-100%
G255 (R000—R255)	Green Dimmer, 0-100%
B255 (R000—R255)	Blue Dimmer, 0-100%
W255 (R000—R255)	White Dimmer, 0-100%
Y255 (R000—R255)	Amber Dimmer, 0-100%
P255 (R000—R255)	Ultra Violet Dimmer, 0-100%

## 9. OPERATION MODES

The unit has several working modes:

- ▶ **Auto mode** - Built-in programs (Color Jump, Color Fade, Strobe)
- ▶ **Sound mode** - 3 built-in Sound modes
- ▶ **Master/Slave mode** - When active, the unit controls other PARs connected via DMX cables. To set Master mode please refer to "8. MENU INSTRUCTION" at page 10, you can use CL01 (CL01-CL32) in case of 32-internal colors, or CC01 (CC01-CC99) for jump function, or EE01 (EE01-EE99) in case of color change program, FF01 (FF01-FF99) for color fade, ST01 (ST01-ST32) for strobe effect, SOU1-3 (SE01-SE99) to set Strobe effect type, R255 - G255, B255, W255, Y255, and P255 for single fix colors. The controlled units must be set to Slave mode; slave is A001/d001/H001.
- ▶ **DMX512 mode** - DMX512 control via controller.

## 10.DMX Channel Chart

### 6CH Mode (d001)

Channel	Value	Description
CH1	000 - 255	Red Dimmer 0 - 100%
CH2	000 - 255	Green Dimmer 0 - 100%
CH3	000 - 255	Blue Dimmer 0 - 100%
CH4	000 - 255	White Dimmer 0 - 100%
CH5	000 - 255	Amber Dimmer 0 - 100%
CH6	000 - 255	Ultra Violet Dimmer 0 - 100%

### 10CH-1 (A001)

Channel	Value	Description
CH1	000 - 255	Linear dimmer, 0-100%
CH2	000 - 255	Red Dimmer, 0-100%
CH3	000 - 255	Green Dimmer, 0-100%
CH4	000 - 255	Blue Dimmer, 0-100%
CH5	000 - 255	White Dimmer, 0-100%
CH6	000 - 255	Amber Dimmer, 0-100%
CH7	000 - 255	Ultra Violet Dimmer, 0-100%
CH8 Strobo	000 - 009	Strobo (No Function)
	010 - 255	Strobo, Slow to fast
CH9 Macro Function	000 - 009	No function
	010 - 050	Static color
	051 - 100	Slow off, quick on
	101 - 150	Led jump
	151 - 200	Led fade
	201 - 220	SOU1: led changeable effect
	221 - 240	SOU2: strobe effect
241 - 255	SOU3: Lightning strobe effect	
CH10 Color change / Speed adjustment (Works with CH9)	000 - 255	(When CH9: 010-050) push CH10 to a static color selection
		(When CH9: 051-200) push CH10 for the additional speed. Speed changes from slow to fast.

### 10CH-2 (H001)

Channel	Value	Description
CH1	000 - 255	Linear dimmer, 0-100%
CH2 Strobo	000 - 008	Strobo (No Function)
	009 - 255	Strobo, Slow to fast

CH3 Macro Function	000 - 009	No function
	010 - 050	Static color
	051 - 100	LED jump
	101 - 150	Slow off, quick on
	151 - 200	Led fade
	201 - 255	Sound active
CH4 Color change / Speed adjustment (Works with CH3)	000 - 255	(When CH3: 010-050) pushes CH4 to a static color selection
		(When CH9: 051-200) pushes CH4 for the additional speed. Speed changes from slow to fast.
CH5	000 - 255	Red Dimmer, 0-100%
CH6	000 - 255	Green Dimmer, 0-100%
CH7	000 - 255	Blue Dimmer, 0-100%
CH8	000 - 255	White Dimmer, 0-100%
CH9	000 - 255	Amber Dimmer, 0-100%
CH10	000 - 255	Ultra Violet Dimmer, 0-100%

## II. SPECIFICATIONS

Model	PAR-18-18W-IP65
Light source	18 x 18W RGBWA+UV 6IN1 LED
Beam angle	40°
Lux @ 1m	R 3000 Lux, G 6000 Lux, B 6000 Lux, W12000 Lux, A 3000 Lux, UV 2500 Lux, RGBWA+UV 30000 Lux
DMX Channel Modes	6CH, 10CH-1, 10CH-2
Maximum External Temp	104°F (40°C)
Cooling System	Convection (No Fan)
Power Supply Type	Switching (internal)
Range	100-240V 50/60Hz
Consumption	320W
Light Size (LxHxD)	260x310x250 mm (bracket installed)
Light Weight	4 kg
Packing Size (LxHxD)	290x290x340 mm
Packing Weight	4.5 kg

## 12. 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](http://www.soundsationmusic.com)

## 13. 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.



---

This product is imported in EU by  
Questo prodotto viene importato nella UE da  
FRENEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati - Italy

[WWW.SOUNDSATIONMUSIC.COM](http://WWW.SOUNDSATIONMUSIC.COM)

Soundsation® is a registered trademark of FRENEXPORT SPA - Italy  
Soundsation® è un marchio di fabbrica registrato della FRENEXPORT SPA - Italy



[WWW.SOUNDSATIONMUSIC.COM](http://WWW.SOUNDSATIONMUSIC.COM)