

PAR-10W-7-R

7X10W RGBWAV 6IN1 PAR LIGHT
WITH REMOTE CONTROL



USER MANUAL MANUALE UTENTE

*Please read this manual carefully and proper take care of this manual.
Leggete questo manuale e conservatelo per future consultazioni!*

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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.

TAKING CARE OF YOUR PRODUCT

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

VENTILATION

Do not block areas of ventilation opening. Failure to do could result in fire. Always install according to the manufacturer's instructions.

OBJECT AND LIQUID ENTRY

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

INSTALLATION

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

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.

POWER SUPPLY

In case of external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

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.

ELECTRICAL CONNECTION

Always disconnect from 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 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.

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

In case of failure or mis-function occurred, stop using the unit immediately, 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.

WARNING

Please remember the high sound pressure do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.

INTERFERENCE FROM CELL PHONE

Using a cell phone near the wireless system can induce noise. If this occurs, move the cell phone further away from the components of the wireless system.

I. UNPACKING

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

- ▶ PAR-10W-7-R PAR light
- ▶ Remote control (Lithium battery not included)
- ▶ This 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.

 **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.I. 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 fixture is connected to mains through its mains cord. The product meets the required safety standards.

 **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.

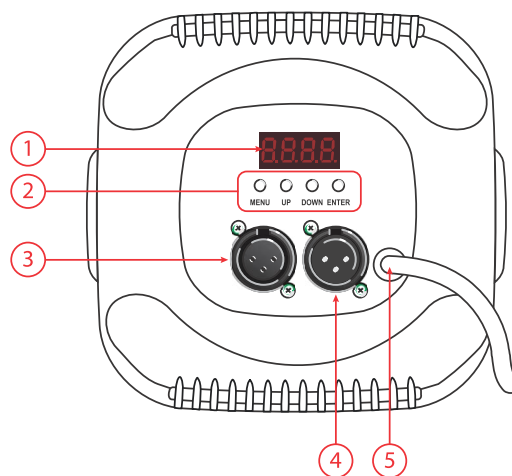
3. OVERVIEW

PAR-10W-7-R combines all latest LED technology benefits with DMX and IR remote control in a lightweight housing. It is equipped with 7pcs ultra-brightness 10W LED (6in1) so that it meets most of live or fixed installation application. The compact housing design helps heat radiation so it works more stably in despite of how rigorous condition it is. What's more, it is driven by the latest dimmer technology so it brings you more smooth and excellent color mixture. Finally, the IR remote control function make it very easy use. Even without a DMX controller.

4. MAIN FEATURES

- ▶ 10W x 7PCS 6 IN1 high brightness LEDs
- ▶ 2300lux @ 2meter
- ▶ Advanced dimmer system
- ▶ IR remote control

5. REAR PANEL CONTROLS




1. **Display:** It shows all menus and functions. Please refer to "7. LED DISPLAY AND BUTTONS OPERATION" at page 10 for further information.

2. **Buttons:** The four buttons allow the user to navigate all menus and change value to all functions. Please refer to "7. LED DISPLAY AND BUTTONS OPERATION" at page 10 for further information.
3. **DMX Signal output:** It transfers DMX signal to next fixture. Please use 3pin XLR signal cable.
4. **DMX signal input:** It receives DMX signal from another fixture. Please use 3pin XLR signal cable.
5. **Power PLUG:** This is a grounding-type plug with 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.

6. INSTALLATION


6.1. Rigging and Clamps

 **Pay attention to the safety! Please respectively consider the EN 60598-2-17 and the national standard during the installation. The authorized dealer must only carry out the installation.**

The installation of the fixture has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming demolish. The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.




When rigging, de-rigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden. The operator has to make sure that the safety measure and the machine's technical installation is approved by an expert before taking into operation for the first time and after changes before taking into operation another time. He has also to make sure that an expert approves safety measure and the machine's technical installation once a years.

 **WARNING: The fixture should be installed outside areas where persons may walk by or be seated.**

 **IMPORTANT: Overhead rigging requires extensive experience, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury or property loss.**

If the fixture shall be lowered from the ceiling or high joists, professional trussing

systems have to be used. The fixture must never be fixed swinging freely in the room. Before rigging make sure that the installation area can hold a minimum point load of 10 times the projector's weight.

-  **CAUTION: Fixture may cause severe injuries when crashing down. If you have doubts concerning the safety of a possible installation, do not install the fixture!**
-  **CAUTION: Use two appropriate clamps to rig the fixture on the truss. Follow the instructions mentioned at the bottom of the base. Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.**
-  **DANGER OF FIRE! When installing the device, make sure there is no highly inflammable material (decoration articles, etc.) within a distance of minimum 0.5m.**

For overhead use, always install a safety rope that can hold at least 10 times the weight of the fixture.

6.2. 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.

6.3. DMX-512 Connection

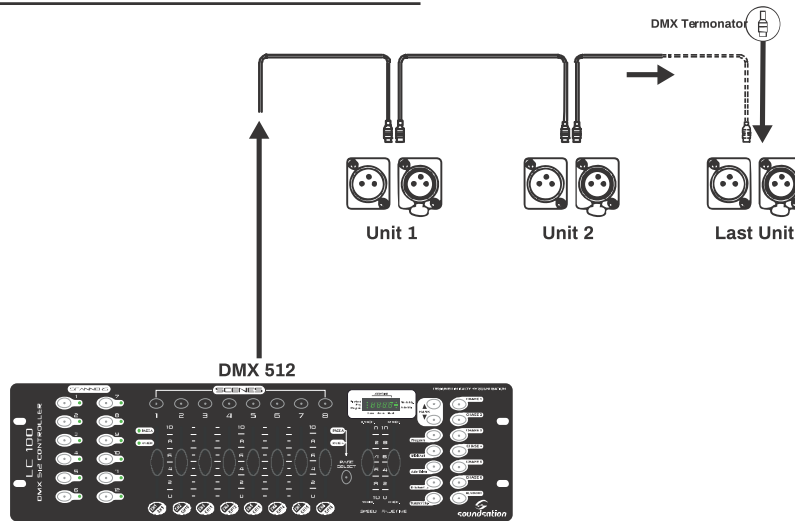
Wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly. Only use a DMX cable, 3-pin XLR plugs and connectors in order to control with the fixture or one fixture with another.



If you are using the recommended controllers, you can connect the DMX output of the

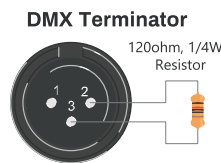
controller directly with the DMX input of the first fixture in the DMX chain. If you wish to connect DMX controllers with other XLR output, you need to use adapter-cables.

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.

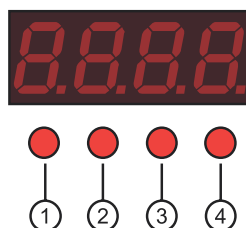
A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over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



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.

7. LED DISPLAY AND BUTTONS OPERATION



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

7.I. 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:

No.	Display	Function Specification (Press" ENTER")
1	r— —	r000 to r255: Red from dark to bright
2	g— —	g000 to g255: Green from dark to bright
3	b— —	b000 to b255: Blue from dark to bright
4	n— —	n000 to n255, White from dark to bright
5	A— —	A000 to A255, Amble from dark to bright
6	P— —	P000 to P255: UV from dark to bright
7	F— —	F000 to F255: flash speed, from slow to fast
8	C— —	C000 to C255: 7 color shade, from slow to fast
9	J— —	7 color skip, from slow to fast
10	S— —	S000 to S255: sound speed, from slow to fast
11	dr— —	dr-0 standard dimmer; dr-1 dimmer curve1; dr-2 dimmer curve 2; dr-3: dimmer curve3; dr-4 dimmer curve4
12	d— —	DMX12 control (please connect a controller)

8. IR REMOTE CONTROL

PAR-10W-7-R features an IR remote controller. It operates within 5m from the fixture.

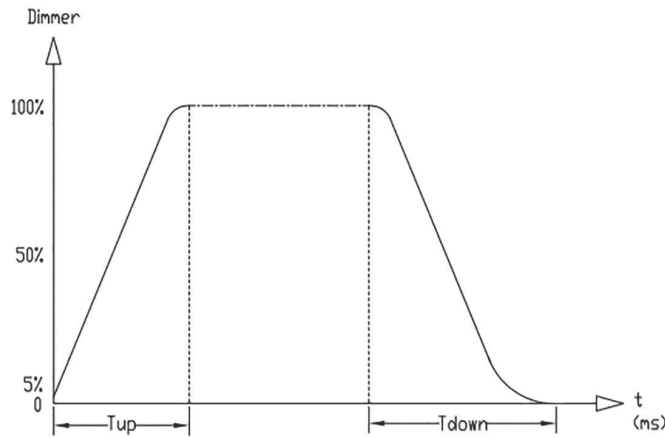


Up*	Down*	LED off	All LED Full Bright
Red	Green	Blue	White
Color1	Color2	Color3	Strobo
Color4	Color5	Color6	Color Change
Color7	Color8	Color9	Fade
Color10	Color11	Color12	Sound



(*) **NOTE about Up/Down:** press them to change color brightness, strobe/color change/fade speed, or detection sense of sound active.

9. DIMMER CURVES



Ramp Effect	Menu	Tup (ms)	Tdown (ms)
Standard Dimmer Curve	dr-0	0	0
Dimmer Curve 1	dr-1	980	1010
Dimmer Curve 2	dr-2	1210	1320
Dimmer Curve 3	dr-3	1600	1710
Dimmer Curve 4	dr-4	1850	198

10. DMX512 CHANNEL CHART (12CH)

CH	Function	Specification
CH1	Dimmer	R G B W color from dark to bright
CH2	R dimmer	Red color from dark to bright
CH3	G dimmer	Green color from dark to bright
CH4	B dimmer	Blue color from dark to bright
CH5	W dimmer	White color from dark to bright

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Ch6	Amber dimmer	Amber from dark to bright
CH7	UV dimmer	Uv from dark to bright
CH8	Strobe	7 color flash speed, from slow to fast
CH9	Color mix	Seven color mix
CH10	Auto	0-10 N/A; 11-70: shade; 71-130: skip; 131-190: flash by sound; 191-255: skip by sound.
CH11	Auto Speed	DMX10 auto speed, sound adjustment, from slow to fast
CH12	Half Power under high temperature	0-20: Standard Dimmer; 21-40 Dimmer Curve1; 41-60 Dimmer Curve 2; 61-80 Dimmer Curve3; 81-100 Dimmer Curve4; 101-255 N/A

II. SPECIFICATIONS

Mains Voltage:	110V ~ 240V, 50-60HZ
Power Consumption:	80W
LED:	7x 10W High-brightness 6in1 (RGBWA+UV) LEDs
Full Color Lux:	2300 lux @ 2m; 990 lux @ 1m
Control mode:	DMX512 9CH, Master/Slave, Manual, Sound Active, Auto
Housing Material:	ABS
Optical System:	25° angle lens
IP Rate:	IP20
Working Temperature:	-20 °C to 50 °C
Dimension (WxHxD):	19 x 14 x 16 cm (excluding bracket)
Net Weight:	1.1 kg
Packing Dimension (WxHxD):	34x 30 x 32 cm
Packing Weight:	1.6 kg
Mounting:	2x brackets, adjustable
Accessory:	Remote Control