

PAR-180L

PAR SPOTLIGHT 6 x 30 W RGBW

INSTRUCTION MANUAL



FONESTAR

We take this opportunity to thank you for buying this product.

We recommend you read the instruction manual before switching on the machine and follow the instructions that are given. Keep the manual for future reference.

SECURITY AND THE ENVIRONMENT

ELECTRICAL SECURITY

Check that the current in the mains connection where the machine is to be installed corresponds to the power supply of the machine.

To avoid damaging the equipment, electrical shocks, fire or physical injury when you connect or disconnect the equipment from the power supply, pull the plug firmly out of the mains socket holding the plug, never the cable.

Always do this with dry hands.

Keep the power supply cable far from sources of heat. Do not put heavy objects on top of it or change it.

Clean dust and dirt off the power supply cable regularly.

Do not open the machine; you could get an electric shock.

CAUTION

While installing the machine, make sure it is switched off and unplugged.

Do not open the machine. Touching the internal parts is dangerous and you could receive an electric shock.

The machine must not be splashed or dripped on. Never place recipients with liquid inside on the machine.

Do not place anything inside the machine.

LOCATION

Place the equipment on a horizontal surface with enough space around it to allow ventilation.

Avoid direct sunlight, heat sources and excessive dust.

Do not place the machine near magnetic fields or static electricity.

Do not use surfaces which vibrate or receive impact.

Do not pile machines on top of one another.

VENTILATION

Never block or cover the ventilation slits on the machine.

Do not expose it to direct sunlight or place it near sources of heat.

PERIODS OF INACTIVITY

When the machine is not going to be used for a long period of time, disconnect it from the mains.

If you are using an adapter, take into account that it will continue using electricity even if the machine is switched off. If it is not going to be used for a long period of time, disconnect it from the mains.

THE ENVIRONMENT

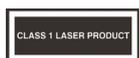
To save energy, switch the machine off when you are not going to use it for a long time. The machine could contain substances that are harmful to the environment or human health. To minimize the effect of these substances the machine must be correctly managed and recycled when you decide to dispose of it.

When you dispose of it remember: it cannot be thrown into a conventional rubbish bin.

If it contains or uses batteries, these must be disposed of separately.

The machine (without batteries) must be disposed of correctly. Put it in a container specially intended for the collection of electronic and electrical appliances, at the dump or hand it over to the dealer when you purchase similar equipment, so that the dealer can dispose of it correctly (at no added cost).

SIGNIFICANCE OF THE SYMBOLS ON THE MACHINE*



The symbol formed by the expression “Class 1 laser product” written in a rectangle indicates that visible or invisible laser radiation could be produced. Avoid direct exposure to the laser.



The symbol formed by a ray of lightening inside a triangle shows that the machine has connection terminals or a circuit with areas with a current which could cause an electric shock, even in normal working conditions.



The symbol formed by an exclamation mark in a triangle shows that the instruction manual must be referred to for information on how the machine works and its use.



The symbol formed by one square inside another square shows that the machine has double electrical insulation.



The European Community symbol shows that the machine complies with the current European Union legislation, as well as its transposition to local legislation.



The symbol of a rubbish bin crossed out and over a horizontal line shows that when the product is disposed of it must be done properly, placing it in a special selective electronic and electrical equipment container or through a dealer when purchasing a similar product, at no additional cost. It also shows that the machine was put on the market after 13th August 2005 (European Community Directive 2002/96/CE of Electrical and Electronic recycling, and its Spanish equivalent R.D.208/2005).

In accordance with what is set out in the aforementioned decree, FONESTAR is registered in the RAEE (Registro de Aparatos Eléctricos y Electrónicos) in a special section REI (Registro de establecimientos Industriales), with the entry number 001851.

*It is possible that some of these symbols do not appear on the machine.

EXEMPTION OF LIABILITY

The characteristics of the equipment and the content of the manual can change without forewarning.

FONESTAR, S.A. does not assume responsibilities regarding the inappropriate use of the equipment or the information supplied in this instruction manual, and specifically disclaims any implied liability for marketability or fitness for any other use.

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DESCRIPTION

Flat PAR spotlight RGBW.

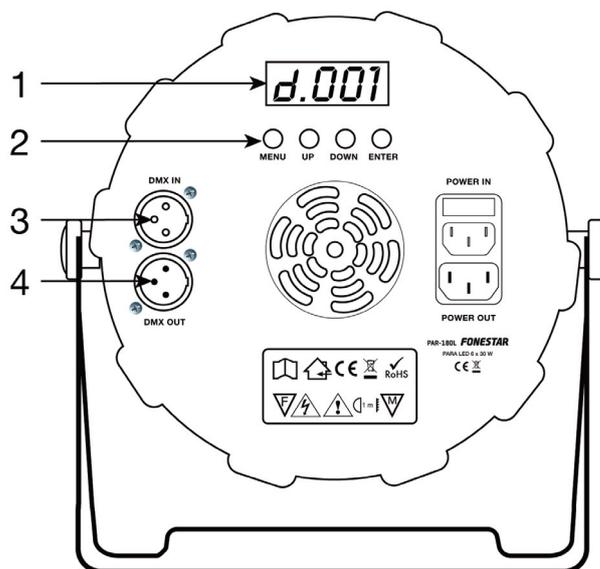
DMX control via 7 channels, automatic mode, sound activation or master/slave mode.

Colour, dimmer, strobe adjustment and speed adjustable via DMX control console.

Microphone incorporated.

CONTROLS AND FUNCTIONS

REAR PANEL



- 1.- **DISPLAY:** shows current operating mode of device.
- 2.- **Control panel buttons:**
 - MENU:** allows the parameter to be changed in order to modify.
 - UP:** increases the value of the parameter to be modified. To confirm selection press ENTER.
 - DOWN:** decreases the value of the parameter to be modified. To confirm selection press ENTER.
 - ENTER:** confirms the current value of the configured parameter.
- 3.- **DMX OUT:** control signal output, 3-pin XLR connector.
- 4.- **DMX IN:** control signal input, 3-pin XLR connector.

CONNECTION AND OPERATING

- Place the device in the desired location at least 1 meter from the nearest obstacle or wall.
- Select the operating mode with the MENU button as shown in the table below. Use the UP and DOWN buttons to navigate within the menu and press ENTER to select and save the setting.
- The MENU will look like this::
 dxxx → Auxx/Soxx → Stxx → Snxx → Spxx → rxxx → Gxxx → bxxx
- Each operating mode requires different settings. The following table summarizes the values to be modified in each mode:

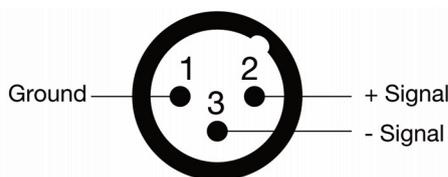
FUNCTION	MODE	SETTINGS		
		STROBE SPEED St00: off St01: slow St16: fast	SENSITIVITY Sn00: minimum Sn16: maximum	SPEED COLOR CHANGE Sp01: very slow Sp16: very fast
DMX control	d001-d512	-	-	-
7 presets with 1 fixed color	Au01 - Au07	St00 - St16	-	-
3 multi-colour mixing programs (from abrupt (08) to smooth (10) transitions)	Au08 - Au10	St00 - St16	-	Sp01 - Sp16
Automatic sound mode without stroboscope	So01	-	Sn00 - Sn16	-
Automatic sound mode with stroboscope	So02	-	Sn00 - Sn16	-
Custom fixed color RGB	r000 - r255 G000 - G255 b000 - b255	-	-	--

To configure the mode you must first modify the associated SETTING values where they are required (strobe, sensitivity and/or speed) and then you must press the ENTER button to save the selected value. Finally, select the MODE and press ENTER again.

- To control this PAR-18L spotlight using the DMX controller, select the DMX channel with a value between 1 and 512 (d001-d512) using the UP, DOWN buttons and press ENTER to save the value. The following table shows the functions performed by the 7 DMX channels available on this device. You can switch freely between several channels at the same time.

FUNCTIONS USING DMX 512 CONTROL CONSOLE		
CH DMX	DMX VALUE	FUNCTION
1	0-255	DIMMER
2	1-255	STROBE
3	1-255	MACRO
4	0-255	MACRO function speed adjustment
5	0-255	Red DIMMER
6	0-255	Green DIMMER
7	0-255	Blue DIMMER

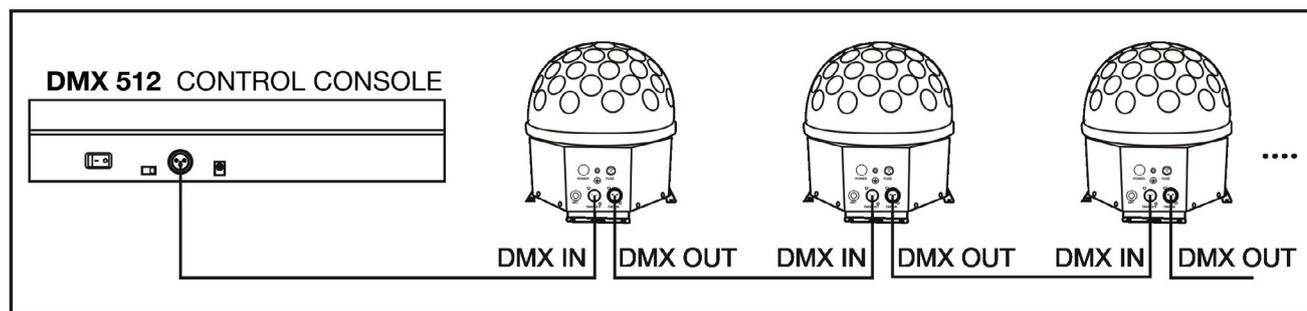
- To connect several DMX controlled cascade devices, please note the following connection for XLR interconnection cables:



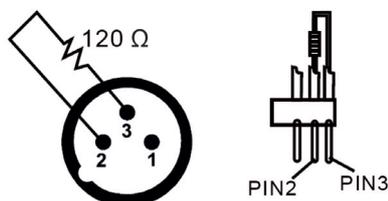
Male XLR (pin view)

- Connect the device to the electricity grid and switch it on.

- It is possible to connect several devices in cascade to be managed collectively or separately. Connect an XLR cable between DMX IN input of the device and the DMX OUT output of the DMX control console if it is the first element in the chain, or the DMX OUT of the previous element in the chain of your show lighting assembly.



- The total interconnection wiring of devices in a line must not exceed 100 meters. To avoid interference in the line, it is advisable to place a line terminator consisting in a resistance of $120\ \Omega$ between the terminals 2 and 3 of the XLR DMX OUT connector of the last element. See diagram below:



SAFETY RECOMMENDATIONS

- Do not open the equipment under any circumstances.
- Make sure that the devices are at least 50 cm away from inflammable substances or elements.
- Do not look at the laser beams from a distance of less than 15 cm or for more than 10 seconds of direct radiation, to avoid serious damage to eyes.
- Switch the equipment off for 15 minutes every 2 hours to avoid overheating.
- Do not continually switch the equipment on and off as this could decrease its useful life.
- Only use this equipment in covered and refrigerated spaces.
- Do not move or manipulate the equipment while it is connected to the mains and operating.
- Do not modify the lighting elements of the equipment without technical supervision or with material that has not been guaranteed by the supplier.

TECHNICAL SPECIFICATIONS

	PAR-180L
CHARACTERISTICS	Flat PAR spotlight RGBW. Automatic mode, static mode, sound activation and master/slave mode. Colour, dimmer, strobe adjustment and speed adjustable via DMX control console. Microphone incorporated.
LED	6 x 30 W, 4 in 1
DMX CHANNELS	7
INPUTS	DMX IN, 3-pin XLR
OUTPUTS	DMX OUT, 3-pin XLR
CONTROLS	Configuration screen
POWER SUPPLY	100-240 V AC, 200 W
DIMENSIONS	260 x 250 x 95 mm depth
ACCESSORIES	Adjustable fixing mount

WARRANTY

This product has been tested and has passed the corresponding quality control prior to being put on the market.

FONESTAR guarantees the suitability of the product for its specified use during a period of 2 years from the delivery date and commits itself to repair or substitute the goods as expressed in the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.

The lack of conformity in the first six months after purchase, due to a manufacturing defect, will be rectified with no more than showing the proof of purchase. After six months **FONESTAR** reserves the right to demand proof of the product being sold with that problem.

This warranty does not include damage produced by: inappropriate use or negligence, accidents, worn out parts due to use, breakages, burns, spilt liquids or other substances, excessive humidity, battery deterioration and internal manipulation of the device, the software or its components by unauthorized persons, and in general any use that is unrelated to the nature and purpose of the product.

If any service is needed during the warranty period because of lack of conformity, please contact the business or distributor where the product was purchased in no more than 2 months after being conscious of the problem. It is only necessary to contact **FONESTAR** if it is impossible or imposes an undue burden for them to solve it.

To benefit from this warranty it is necessary to show the proof of purchase with the date clearly visible, with no corrections or crossing out.

This document adds information, and never decreases the consumers' rights, which in all cases are protected by the Spanish law 'La Ley General para la Defensa de los Consumidores y Usuarios, Real Decreto Legislativo 1/2007 16 Noviembre.



FONESTAR is a member of ECOEMBALAJES ESPAÑA, S.A. "ECOEMBES", with number 03497 and all our products carry the symbol, backed by our membership and subscription to the above mentioned organization with the recycling and subsequent management of our packaging.

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