



Mood 1818WP

18x18W RGBWA+V Óinl Waterproof LED PAR Light
PAR per Uso Esterno (IP65) con 18 LED da 18W RGBWA+V Óinl

User Manual

Manuale Utente

Carefully read this manual and properly take care of it
Leggete questo manuale e conservatelo per future consultazioni



Dear customer,

First of all thanks for purchasing a CENTOLIGHT® product. Our mission is to satisfy all possible needs of light designers and professionals of entertainment lighting, by offering a wide range of products based on the latest technologies.

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

The CENTOLIGHT Team

Gentile Cliente,

Grazie per aver scelto un prodotto CENTOLIGHT®. La nostra missione è quella di soddisfare ogni possibile richiesta da parte di light designers e professionisti dell'illuminotecnica per l'intrattenimento, offrendo una vasta gamma di apparecchiature basate su tecnologie di ultima generazione.

Speriamo di aver soddisfatto le vostre aspettative e, se voleste collaborare, saremo lieti di ricevere un vostro feedback sulla qualità del prodotto al fine di migliorare costantemente la nostra produzione. Visitate il nostro sito www.centolight.com ed inviateci una mail con la vostra opinione; questo ci aiuterà a sviluppare nuovi prodotti quanto più vicini alle vostre esigenze.

Il Team CENTOLIGHT

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1 - BEFORE YOU BEGIN

Thank you for purchasing MOOD 1818WP waterproof Par. 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.

11. What is included

Package include:

- 1x CENTOLIGHT MOOD 1818WP PAR light
- 1x 1.5m Power Cable (Euro-Plug to Waterproof Powercon)
- This 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.

12. Unpacking Instructions

Carefully unpack the product immediately and check the content to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged by the shipping, or show signs of mishandling, notify the carrier or dealer/seller immediately. In addition, keep the box and contents for inspection.

If the fixture must be returned to the manufacturer, it is important that it is returned in the original manufacturer box and packing. Please do not take any action without first contacting your dealer or getting in touch with our after-sales support service (visit www.centolight.com for details).

13. Accessories

CENTOLIGHT can supply a wide range of quality accessories that you can use with your fixture, like Clamps, Cables, Splitters, DMX controllers, and a wide range of other fixtures.

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

Ask your CENTOLIGHT dealer or check out our website www.centolight.com for any accessories you could need to ensure best performance of the product.

14. Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. CENTOLIGHT assumes no responsibility or liability for any errors or omissions and reserves the right to revise or to create this manual at any time.

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2 - SAFETY INSTRUCTIONS

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

2.1 Symbols Meaning



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 to describe important installation or configuration problems. Not following advice and information on how to avoid such problems may lead to product malfunction.



This symbol indicates a protective grounding terminal.

WARNING:

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



To protect the environment, please try to recycle packing material and exhausted consumables 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.


3 - MOUNTING AND RIGGING




Pay attention to safety! Please consider the EN 60598-2-17 and the national standard during installation. Only authorized technicians can carry out it.

3.1 Rigging

- 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 demolition. 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.

 **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.

 **CAUTION: Use appropriate clamps to rig the fixture on the truss. Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.**

3.2 Heat

- Do not use in a confined space. Always install the product in a location with adequate ventilation, at least 20in (50 cm) from adjacent surfaces.
- The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

 **Don not use it when maximum ambient temperature is higher than 50°C Work temperature ranges from -20°C to 50°C (-4°F to 122°F).**

3.3. Servicing

- Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. The internal components of the equipment must be purchased from the manufacturer. Only use accessories/attachments or parts recommended by the manufacturer.

4 - INTRODUCTION

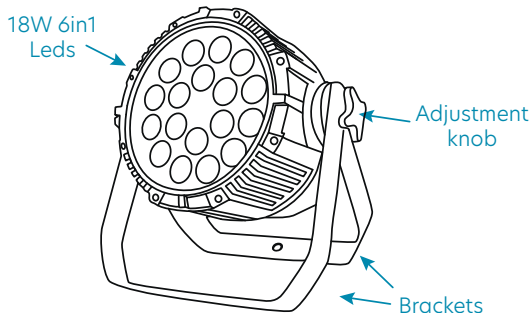
Especially designed for outdoor use thanks to the IP65 protection degree, CentoLight MOOD 1818WP is the right choice for architectural or live applications when a compact yet powerful and silent projector is required.

It offers a complete color palette thanks to the 6in1 LED technology, which provides Red, Green, Blue, White, Amber and 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. Power and DMX connections are completely waterproof to ensure maximum protections to rain and mud infiltrations.

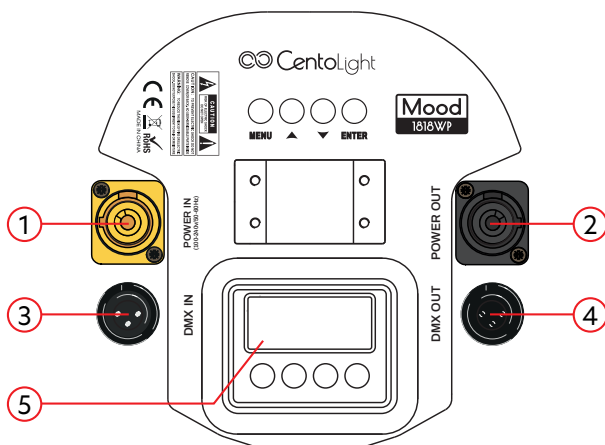
4.1 Features

- Made to resist to rigors of external weather conditions
- Suitable for outdoor architectural and live applications
- IP65 protection degree with waterproof connectors
- Totally silent operation
- DMX512 protocol, Master/Slave mode, Sound Active mode, Auto Run mode
- Light source: 18x18W RGBWA+V 6in1 long life-span LED
- Light Emission: 30000 Lux @1m (RGBWA+V max)
- Beam Angle: 40°

5 - PRODUCT OVERVIEW



6 - PRODUCT SETUP



6.1 Rear Panel Description

The operation panel includes power and DMX connectors, as well as LED display and control buttons.

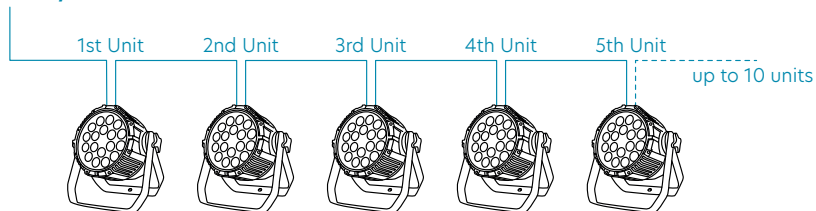
1) Power Input Socket

Plug the power-cord into an AC socket properly configured for this fixture. Please read "6.2. Power and Wiring" on page 9 for details.

2) Power Output Socket

POWER OUT socket - Mood 1818WP is equipped with an out power connector to be used as power mains source in case of **cascade connection up to a maximum of 10 fixtures**.

Power Input
100-240Vac - 50/60Hz



3) DMX Input

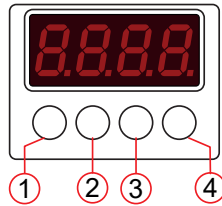
Male 3-pin XLR sockets for connection to a DMX control device

4) DMX Output

Female 3-pin XLR socket for sending the DMX control signal to other units.

5) 4 Digit LED Display & Control Buttons

This section of rear panel shows the operating mode and allows the user to setup the unit



1. **MENU Button** - Short-press it to switch the setting pages (please read paragraph "7 - Menu Operation" on page 11 for further details about menus and settings).
2. **UP Button** - It scrolls up individual items in the selection menu and sub-menus for system settings (DMX address, Operation Mode, etc.) and increases values/settings of parameters.
3. **DOWN Button** - It scrolls down individual items in the selection menu and sub-menus for system settings (DMX address, Operation Mode, etc.) and decreases values/settings of parameters.
4. **ENTER Button** - Press ENTER to access menu levels and confirm parameter value changes.

6.2 Power and Wiring

- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated in paragraph "10 - Specification" on page 14 or rear panel of the product (AC100V-240V 50/60Hz).
- Make sure the power cord is not crimped or damaged. Never connect this product to a dimmer pack or rheostat.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground and circuit breaker.

6.3 Mains Connections

Connect the device to the mains with the supplied power cable. Wire correspondence is as follows:

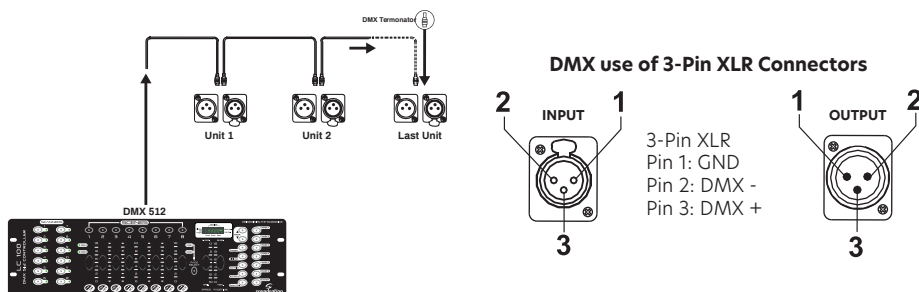
Cable (EU)	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⊕

⚡ **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.**

6.4. Dmx Connection

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

DMX machines 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 machines are connected is not important and has no effect on how a controller communicates to each of them. Use an order that provides for the easiest and most direct cabling.



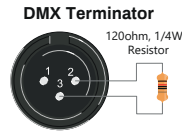
Connect machines using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

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

6.5. 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.

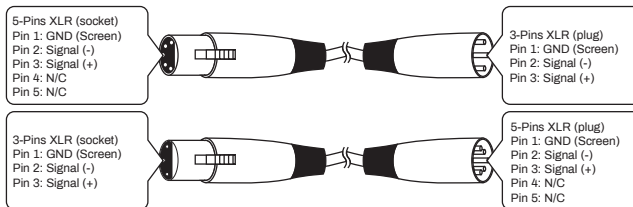
The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain. The connections are illustrated below.



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

6.6.3-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 this fixture to a 5-Pin XLR input fixture, you need to use an adapter-cable or make it by yourself. Below you can see the wiring correspondence between 3-Pin and 5-Pin plug and socket standards



7 - MENU OPERATION

By pressing MENU button, the display will show the main function menu.

Display	Instruction
A001 (A001 - A512)	10-1 channel mode
d001 (d001 - d512)	6 channel mode
H001 (H001 - H512)	10-2 channel mode
CL01 (CL01 - CL32)	32 build-in color
CC01 (CC01 - CC99)	Color jump effect, speed from slow to fast
EE01 (EE01 - EE99)	Slow off-quick on effect, speed from slow to fast
FF01 (FF01 - FF99)	Color fade effect, speed from slow to fast
ST01 (ST01 - ST32) SP01 - SP99	1-32 kinds of strobe effect Speed from slow to fast

SOU1 (SE01-SE99) SOU2 (SE01-SE99) SOU3 (SE01-SE99)	Sound Effects: SOU1: led changeable effect SOU2: strobe effect 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%

7.1 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 "7 - Menu Operation" on page 11.

You can use CL01 (CL01 to CL32) in case of 32-internal colors, or CC01 (CC01 to CC99) for jump function, or EE01 (EE01 to EE99) in case of color change program, FF01 (FF01 to FF99) for color fade, ST01 (ST01 to ST32) for strobe effect, SOU1-3 (SE01 to 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.

8 - DMX CHANNEL CHART

8.1 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%

8.2 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
CH10 Color change / Speed adjust- ment (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.

8.3. 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
CH4 Color change / Speed adjust- ment (Works with CH3)	000 - 255	(When CH3: 010-050) pushes CH4 to a static color selection
		(When CH3: 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%

9 - TROUBLESHOOTING

Problem	Probable Cause(s)	Remedy
No response from fixture when power is applied	No power to fixture	Check power cables
		Check mains plug
Fixture does not reset correctly	Electronic failure	Contact service technician*
No light, LED cuts out intermittently, or burns out too quickly	LED missing or blown	Disconnect fixture and contact service technician* for LED replacement
	Fixture or LED is too hot	Allow fixture to cool. If problem persists, contact service technician*
Fixture resets but does not respond correctly to controller (DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture**
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained: unplug both connectors and connect them directly together

* To contact CentoLight service, see "11 - Warranty And Service" on page 15 or visit www.centolight.com

** For instruction on how to install a DMX terminator, see "6.5. DMX Terminator" on page 10.

10 - SPECIFICATION

Light source	18 x 18W RGBWA+V 6in1 LED
Beam angle	40°
Lux @ 1m	R 2500 Lux, G 6600 Lux, B 1170 Lux, W8650 Lux, A 2900 Lux, V 50 Lux, RGBWA+V 21000 Lux
CRI	≥75
DMX Channel Modes	6CH, 10CH-1, 10CH-2
Cooling System	Convection (No Fan)
Power Supply Type	Switching (internal)
Mains	100-240V - 50/60Hz
Consumption	340W
Light Size (LxDxH)	260x310x250 mm - 10.24x12.21x9.84 in (bracket installed)
Light Weight	4 kg - 8.82 lbs.
Packing Size (LxDxH)	290x290x340 mm - 11.42x11.42x13.38 in
Packing Weight	4.5 kg - 9.92 lbs.

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

11 - WARRANTY AND SERVICE

All CENTOLIGHT products feature a limited two-year warranty. This two-year warranty starts from the date of purchase, as shown on your purchase receipt. The following cases/components are not covered by this 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

CENTOLIGHT shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at CENTOLIGHT's discretion either by repairing or 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 CENTOLIGHT.

While under warranty, defective products may be returned to your local CENTOLIGHT dealer together with the original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively, you can send the product to CENTOLIGHT 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.centolight.com

12 - 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 (2012/19/UE) 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.



www.centolight.com



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