



User manual



D500+

Max 1000 Lumens

PRODUCT INTRODUCTION

ORCATORCH D500+ is a portable magnetic controlled diving light upgraded from D500. It is equipped with a totally sealed magnetic controlled side switch that provides flexible operation underwater. Using the latest USA CREE XM-L2(U4) LED, max 1000 lumens output and over 18 hours runtime, this portable diving light offers three brightness levels and one strobe mode for different diving environment use. Plus simple style appearance, robust water pressure resistant construction, we believe it will be your best lighting tool for diving.

PRODUCT FEATURES

- ✓ Cree XM-L2(U4) LED, max 1000 lumens output
- ✓ Uses 1*18650/2*CR123A/2*16340 Li-ion battery
- ✓ Magnetic controlled side switch, high waterproofness for easy operation underwater
- ✓ Water pressure resistant construction ,depth rated to 150 meters
- ✓ Standard included wrist strap fastens the flashlight to the back of your hand
- ✓ Reverse polarity protection, to protect from improper battery installation
- ✓ Aircraft-grade high strength aluminum material
- ✓ Premium Type III military hard-anodized seawater-corrosion-resistance ✓ finish
- ✓ Alloy aluminum reflector with professional optical analysis
- ✓ Toughened glass with high water pressure resistance under deep water

TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Middle	Low	Strobe
Output	1000 Lumens	425 Lumens	85 Lumens	1000 Lumens
Runtime	1h30min	4h10min	18h30min	/
Beam Distance	318m (on land)			
Intensity	25300cd			
Impact Resistant	1m			
Waterproof	under water 150m			
Working voltage	3 – 8.4 V			
Dimension	152mm(Length) x 28mm(Diameter) x 45mm(Head)			
Net weight	216g (excluding battery)			
Accessories	O-ring, wrist strap, lanyard			

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one ORCATORCH 18650 Li-ion battery(3.7V,3400hmAh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

OPERATION INSTRUCTIONS

1. ON/OFF: Insert the battery and tighten the light head to turn on the flashlight at default low mode, then you can press the side switch to turn it off.
2. Mode Selection: Press the side switch to switch mode among high, middle, low and off. Keep pressing the side switch for about 1 second to get the hidden strobe mode, and press again to get back to the previous mode.



BATTERY REPLACEMENT

1. As shown in the figure, insert the battery with the anode side (+) toward the light head.
2. Please do not reverse the battery to avoid damage to the flashlight and battery.
3. Please do not use battery with higher voltage than the flashlight working voltage.
4. Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.



USAGE AND MAINTENANCE

- ✦ Please keep the flashlight away from high intensity magnetic fields, or the switch may fail to function.

- ✦ Please clean the surface of the flashlight with fresh water after use in case of the seawater corrosiveness.
- ✦ Do not drop or place the light on sand in case iron sand stick or go into switch section or screw thread.
- ✦ Tighten all the connections of the light before going underwater.
- ✦ Please don't disassemble the sealed head, doing so may cause damage to the flashlight and will void the warranty.
- ✦ We recommend the use of high quality batteries. If the flashlight will not be used for a long time, remove the batteries to avoid damage from electrolyte leakage or battery explosion.
- ✦ Please replace the O-rings if they are damaged after prolonged use and regularly lubricate the o-rings so as to not erode the rubber. Doing so will keep the flashlight properly sealed against water.
- ✦ Please clean the contacts of your light from time to time, especially when the light flickers or doesn't light up. There are probably several reasons for a flickering or not working light:

Reason A: The batteries need to be replaced.

Solution: Replace batteries (Please confirm correct installation of + and - terminals).

Reason B: The threads, PCB board contact or other contacts are dirty.

Solution: Clean the contact points with an alcohol soaked cotton swab. If the methods above don't work, please contact the distributors and refer to the warranty policy.

PRODUCT WARRANTY

We will replace products afflicted with manufacturing defects within 30 days of purchase and repair a light free of charge within 12 months of purchase if problems develop under normal use; if repair is required after 12 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Warning

The flashlight is high intensity lighting device and capable of causing eye damage, please avoid shining the light directly into the eyes.

ORCATORCH TECHNOLOGY LIMITED

Tel:+86-755-33560383 Fax:+86-755-29454989

Email: info@orcatorch.com www.orcatorch.com

Address: 7F, Bui Ding 6, Yusheng Industrial Park, Gushu, Xixiang, Baoan, Shenzhen, China (518102)



www.orcatorch.com