



User manual



D550

Max 1000 Lumens

PRODUCT INTRODUCTION

ORCATORCH D550 is a small and light weight tail magnetic switch diving light. It is equipped with a totally sealed magnetic controlled tail switch which offers high waterproofness and easy operation underwater. Using the latest USA CREE LED, max 1000 lumens output and near to 6 hours runtime, this portable diving light offers high and low two modes and one strobe mode for different diving environment use. Plus robust water pressure resistant construction, high portability and easy operation, D550 would be qualified for both recreational diving as a primary light and deep diving as a backup light.

PRODUCT FEATURES

- ✓ Cree LED, 1000 lumens output
- ✓ Uses one 18650 battery
- ✓ Magnetic controlled tail switch offers high waterproofness and easy operation underwater
- ✓ Standard included wrist strap fastens the flashlight to the back of your hand
- ✓ Water pressure resistant construction ,depth rated to 150 meters
- ✓ Reverse polarity protection, to protect from improper battery installation
- ✓ Over-discharge protection function
- ✓ Aircraft-grade high strength aluminum material
- ✓ The latest diamond grade hard-anodized seawater-corrosion-resistance finish
- ✓ Alloy aluminum reflector with professional optical analysis
- ✓ Two sides coated toughened glass with high water pressure resistance under deep water

TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Low	Strobe
Output	1000 Lumens	367 Lumens	1000 Lumens
Runtime	2h5min	5h45min	/
Beam Distance	253m (On land)		
Intensity	16000cd		
Impact Resistant	1m		
Waterproof	under water 150m		
Working voltage	3 – 4.2 V		
Dimension	146mm(Length) x 25.4mm(Diameter) x 40mm(Head)		
Net weight	183g (excluding battery)		
Accessories	18650 battery, charger, Wrist strap, O-ring, lanyard		

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch 18650 Li-ion batteries (3.7V, 3400mah) 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, press the tail switch to turn it off.
2. Mode Selection: Press the tail switch to switch mode among high, low and off. Keep pressing the tail switch for about 1 second to get the hidden strobe mode, and press again to get back to the previous mode.
3. The total runtime will be extended significantly if the light is used discontinuously.



BATTERY REPLACEMENT

1. As shown in the figure, insert the battery with the anode side (+) toward the light head.
2. Please do not reverse 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 light with fresh water and wipe it dry 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 take out the batteries after each diving.
- ✧ 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.

Please register your OrcaTorch products through official website www.orcatorch.com to get extra 1 year warranty.

Warning

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

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