



User manual



ZD710 MK2

Please read the user manual carefully, as it can help you better understand how to use this product.

PRODUCT INTRODUCTION

The OrcaTorch ZD710 MK2 is a versatile underwater dive light with adjustable beam angle, max beam intensity 212500cd and beam distance of 920 meters. Its adjustable beam angle (4° to 72°) provides flexibility for diverse underwater lighting needs, whether exploring caves, observing marine life, underwater photography, etc. The ZD710 MK2 is equipped with a 5000mAh 21700 USB-C rechargeable battery for convenient charging. It features a safe lock function to prevent accidental activation, making it an ideal dive light for depths of up to 150 meters, capable of adapting to various underwater environments.

PRODUCT FEATURES

- ✓ Max beam intensity 212500cd, with a max range of 920 meters
- ✓ Adjustable beam angle from 4° to 72°, meeting various underwater lighting needs
- ✓ 4-level brightness adjustment, can be adjusted according to actual needs
- ✓ Titanium alloy button switch for durability and corrosion resistance
- ✓ Uses 1 * 21700 USB-C 5000mAh rechargeable battery
- ✓ Built-in intelligent temperature control to avoid over-heat
- ✓ Low voltage protection
- ✓ Convenient operation with a safety lock function
- ✓ Suitable for diving depths of up to 150 meters
- ✓ Made of AL6061-T6 aluminum, and hard anodized finish adopted

TECHNICAL PARAMETERS

ANSI/NEMA FL1	Turbo	High	Medium	Low
Intensity	212500cd	130000cd	60000cd	22500cd
Output	1500Lm	880Lm	420Lm	150Lm
Runtime	/	2h 10mins	3h 15mins	12h
Beam angle	4° - 72°			
Beam Distance	920m (On land)			
Impact Resistant	1.5m			
Waterproof	Under water 150m			
Working voltage	3 - 4.2 V			
Dimension	180.5mm(Length)x57.5mm(Head Dia.)x26.4mm(Tube Dia.)			
Net Weight	362g (Including the battery)			

Underwater Weight	185g (Including the battery)
Accessories	1*21700 USB Type-C Rechargeable Battery, 1* USB Charging Cable, 1* Lanyard, 3* Spare Waterproof O-rings, 1* Bracket module

Note: Stated data has been measured according to the international flashlight test standard ANSI/NEMA FL1 using one 21700 Li-ion battery (3.6V 5000mAh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

OPERATING INSTRUCTIONS

- Beam Angle Adjustment
 - 1.1. Rotate the head to adjust the beam angle (4°-72°).
- Mode selection
 - 2.1 Press the side button to switch modes between high, medium, low and off. In any light mode, a long press of the side switch will activate the turbo mode (1500 lumens), release the button to return to the previous light setting. After 1 minute of continuous use in turbo mode, it will automatically switch to 880 lumens mode with a runtime of 1h30mins.
- Compatible with OrcaTorch WS02 wrist strap and H620 handle. Adjust the height and width of the H620 handle using the screws provided.



- Battery Indicator
 - 4.1. When the flashlight is on, the indicator light will display the remaining battery level.
 - green: above 30%
 - red: 10% - 30%
 - flashing red: below 10%
- Safe Lock Function
 - 5.1 Safe lock function: Hold on the side switch for 5 seconds when the torch is off, and it will turn into a state of safe lock. The side switch will be useless unless

unlocking it by a double press. (The flashlight will flicker twice when you lock or unlock the switch, the battery indicator will be green when pressing the side button in lock mode).

Switch Long press 5s Lock Switch Quick double tap Unlock

- Intelligent Protection
 - 6.1. This product is designed for underwater use. When used on land, the flashlight may overheat. When the flashlight temperature reaches 65°C, it will automatically lower the mode to prevent product damage.

- The total runtime of the flashlight will be significantly extended when not used continuously.

BATTERY REPLACEMENT

- As shown in the diagram, insert the battery with the positive end facing towards the head of the dive light and the negative end towards the tail of the tube. Tighten the tube securely.
- Do not reverse the installation to avoid damage to both the dive light and the battery.
- Avoid using batteries with excessive voltage to prevent damage to the dive light.
- Do not use batteries with damaged or deformed surfaces to prevent short circuits, explosions, leakage, and other potential issues.

Battery assembly diagram:



Charging illustration:



USAGE AND MAINTENANCE

- Please clean the surface of the light with fresh water and wipe it dry after use in case of seawater corrosion.
- Do not drop or place the light on sand to prevent sand or other hard particles from entering the light head or threads.
- 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. 6. 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 with silicon grease so as not to 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 the official website www.orcatorch.com to get an extra 1-year warranty.

⚠ Warning: This product emits extremely high brightness. Do not point the head of the flashlight towards your own or others' eyes when turning it on. Avoid direct exposure to the light source to prevent potential vision damage.

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