

# 78\*120mm



## User manual



### Mazu TD01

#### Dual-Color Dive Headlamp

Thank you for purchasing this OrcaTorch product. Please read this manual carefully before use and keep it for future reference!

### Product Introduction

The OrcaTorch Mazu TD01 dive headlight comes equipped with two light sources: a main white light powered by a LUMINUS LED capable of producing up to 1,200 lumens of output and illuminating distances of up to 183 meters. In addition, the headlight features 1 LED auxiliary red light on each side of the main light, making it ideal for various underwater activities, including cave dives, recreational dives, underwater photography, spearfishing, and backup lighting.

The headlight is designed for easy use, with a base that is compatible with multi-sports camera brackets and can be mounted on a helmet or worn on the wrist. The magnetic rotary switch allows for quick and easy switching between light modes. Additionally, the headlight is made of high-strength A6061-T6 aluminum material and is hard-oxidized, ensuring safety and durability. It is also waterproof up to a depth of 150 meters, making it suitable for use in a variety of underwater environments.

### Product Features

- ✓ LUMINUS LED, max 1200 lumens
- ✓ White light beam angle 17°
- ✓ 180° adjustable bracket
- ✓ High heat dissipation can be used underwater and on land
- ✓ Rotary switch offers quickly to switch gears
- ✓ Compatible with multi sports camera brackets can be mounted on the helmet and worn on the wrist
- ✓ Come with an 18650 3400mAh Micro-USB chargeable battery
- ✓ Intelligent over-heat protection
- ✓ Reverse polarity protection , to protect from improper battery installation
- ✓ Constructed from high-strength A6061-T6 aluminum
- ✓ Mil-Spec Type III hard anodized finish for durability and corrosion resistance
- ✓ Two sides coated toughened glass with high water pressure resistance under deep water, depth rated to 150 meters

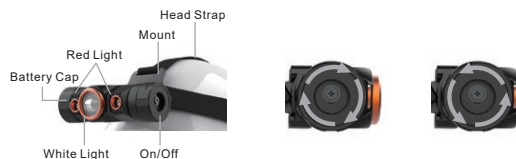
### Technical Parameters

ANSI/NEMA FL1	White Light		Red Light		
	High	Low	High	Low	Signal
Modes					
⚡ OutPut	1200 Lumens	450 lumens	50 lumens	15 lumens	25
🕒 Runtime	1h45mins	3h15mins	2h30mins	8h45 mins	8h50mins
📏 Beam Distance	183m				
💡 Intensity	8400cd				
🛡️ Impact Resistant	1m				
🔋 Working voltage	4V				
📏 Dimension	32mm/1.26inch(Tube Diameter), 97.8mm/3.85inch(Total length)				
⚖️ Net weight	136.2g(excluding battery)				
📦 Accessories	1* Head Strap, 1*18650 3400mAh Micro USB Rechargeable Battery, 1* Micro USB Charging Cable, 1* Bracket, 3* Spare O-rings				

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

### Operation Instructions

1. On/Off : As shown in the figure, clockwise rotation to change the lights modes into the main white light, counterclockwise rotation to change into the auxiliary red light.



2. Modes selection: Clockwise rotation to change the lights modes into the main white light from Low to High, counterclockwise rotation to change the red light modes from High to Low to Signal.

3. Intelligent over-heat protection  
This torch is specially for underwater. When used on land for too long, it might get too hot. But this torch would drop down its output automatically once its temperature reaches 65° to avoid damage to the light due to overheat.

4. Runtime  
The total runtime will be extended significantly if the light is used discontinuously.

### Battery Replacement

1. As shown in the figure, unscrew the battery cap, insert the 18650 Li-ion battery and tighten



- 2. Please do not reverse battery to avoid damage to the flashlight and battery.
- 3. Please do not use battery with higher voltage than flashlight working voltage.
- 4. Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.

### USAGE AND MAINTENANCE

1. Please clean the surface of the light with fresh water and wipe it dry after use in case of the seawater corrosiveness.
2. Do not drop or place the light on sand in case iron sand stick or go into switch section or screw thread.
3. Tighten all the connections of the light before going underwater.
4. Please take out the batteries after each diving.
5. 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.
7. Please replace the O-rings if they are damaged after prolonged use and regularly lubricate the o-rings with silicon grease so as to not erode the rubber. Doing so will keep the flashlight properly sealed against water.
8. 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](http://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.

### ORCATORCH TECHNOLOGY LIMITED

Tel: +86-755-33560383 Fax: +86-755-29454989  
Email: [info@orcatorch.com](mailto:info@orcatorch.com) [www.orcatorch.com](http://www.orcatorch.com)  
Address: 7F, Building 6, Rundongsheng Industrial Park, Gushu, Xixiang, Baoan, Shenzhen, China (518102)



[www.orcatorch.com](http://www.orcatorch.com)