



## ORCATORCH SD03 Dive Beacon Torch User Manual

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## PRODUCT INTRODUCTION

The OrcaTorch SD03 is a compact and multifunctional 4-colour dive beacon. It can emit light in 4 different colours and has 8 lighting modes: for each colour either constant light or flashing mode. Both colour and light mode can be chosen by rotating the body. The SD03 can be used as an underwater or outdoor signal light, dive backup light, outdoor regular light, etc. Its shell is made of plastic which provides good light penetration. With excellent waterproofness, it will function up to 150m underwater. There is no doubt that the SD03 is one of the best choices for diving or outdoor lighting.

## PRODUCT FEATURES

- ✓ 4 single colours and 8 modes integrated in one light
- ✓ Compatible with 1\*AA battery or 1\*14500 battery
- ✓ Non-slip and comfortable silicone ring
- ✓ The tail D-ring can be used more easily with lanyard
- ✓ Practical and convenient mode memory function
- ✓ Plastic transparent shell with enhanced light guide performance
- ✓ Professional waterproof design, depth rated to 150 meters underwater
- ✓ Reverse polarity protection, to protect the light from improper battery installation
- ✓ Aircraft-grade high-strength aluminum AL-6061-T6 used with type III military grade hard anodization technology









## INSIDE THE BOX

SD03x1, AA batteryx1, Lanyardx1, User Manualx1.

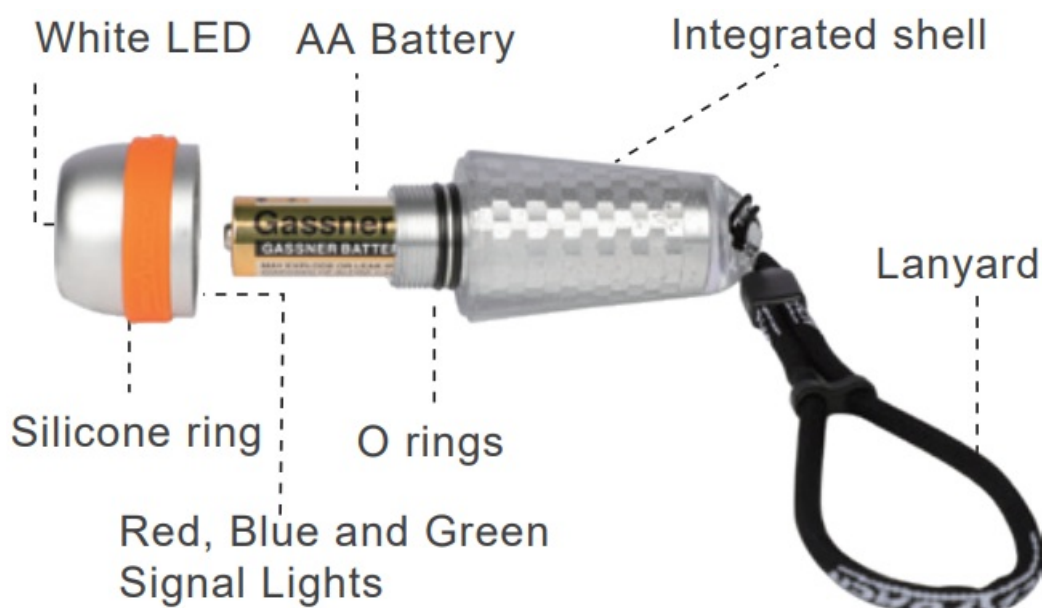
**Note:** The 14500 battery is not included in the box. If you need the 14500 battery, please buy it yourself.

## SPECIFICATIONS

**Notice:** Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch 14500 Li-ion battery (3.7V, 900mAh) or 1\*AA battery (1.5V, 1800mAh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries and environments.

ANSI/NEMAFL1	 Output		 Runtime	
BatteryType	14500	AA	14500	AA
White	1001m	501m	3Hr 30mins	3Hr 10mins
White Flash	100 lm	50 lm	6Hr 30mins	5Hr 30mins
Red	1 lm	0.5 lm	62Hr	95Hr
Red Flash	1 lm	0.5 lm	120Hr	250Hr
Blue	1 lm	0.5 lm	62Hr	120Hr
Blue Flash	1 lm	0.5 lm	120Hr	220Hr
Green	1 lm	0.5 lm	62Hr	120Hr
Green Flash	1 lm	0.5 lm	120Hr	220Hr
 Max Intensity	14500		280cd	
	AA		600cd	
 Beam Distance	14500		48m	
	AA		33m	
 Waterproof	Underwater 150m			
 Impact Resistant	1.5m			
 Dimension	30.5mm (Head Dia)*76.15mm (Length) 1.2in (Head Dia)*3in (Length)			
 Net Weight	50g/1.76oz(excluding battery)			

## PRODUCT PICTURE



## BATTERY INSTALLATION

The battery assembly direction is shown in the **figure**.



**Note:** The supplied AA battery is not rechargeable. If you need a rechargeable lithium 14500 battery, please buy it yourself.

## OPERATION INSTRUCTION

### ON/OFF

Insert the battery and tighten the tail to turn on the SD03.

**Mode Selection**  
After the light is switched on, loosen and tighten the tail to switch modes among white, white flash, red, red flash, blue, blue flash, green, and green flash in sequence.

### MEMORY FUNCTION

The mode will be memorized if it has worked for more than 3S. The light will start from this mode by default when turned on the next time.

## USAGE AND MAINTENANCE

- 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.

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.

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

## Documents / Resources

	<p><a href="#">ORCATORCH SD03 Dive Beacon Torch</a> [pdf] User Manual SD03 Dive Beacon Torch, SD03, Dive Beacon Torch, Beacon Torch, Torch</p>
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## References

-  [OrcaTorch Dive Lights - Lighting Solutions Provider for Safe Diving](#)