



User manual



D900V

Max 2200 lumens

PRODUCT INTRODUCTION

ORCATORCH D900V is a video light specially designed for underwater photographer. It features four colors within one light: Red, UV, Neutral white with 120° wide beam and Cool white with 8° spot beam. With the industry's first magnetic fast charging technology, the light can be charged without taking out the battery. The unique designed dual titanium alloy button system can control different lighting source independently, and its locking function can perfectly avoid accidental use. The dual LED indicator design offers instant knowledge of remaining battery level.

PRODUCT FEATURES

- ✓ Red, UV, Neutral white with 120° flood beam
- ✓ Cool white with 8° spot beam
- ✓ Magnetic fast charging system with a short charging time of 2.5h
- ✓ Standard included battery pack
- ✓ Dual titanium alloy switch controls different lighting sources independently
- ✓ Dual LED indicator offers instant knowledge of using status
- ✓ Safe lock function, avoid misoperation
- ✓ LED Charging indicator
- ✓ Intelligent Over-Heat protection
- ✓ Over-charge and discharge protection
- ✓ Water pressure resistant construction, depth rated to 150 meters
- ✓ 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	Neutral White (flood beam)		Cool White (spot beam)		Red	UV
	High	Low	High	Low		
Output	2200 Lumens	600 Lumens	820 Lumens	250 Lumens	250 Lumens	-
Runtime	2h45min	4h20min	4h	18h	7h	5h
Beam Distance	230m (On land)					
Intensity	13640 cd					
Impact Resistant	1m					
Waterproof	under water 150m					
Working voltage	8.4-12.6 V					
Charging input	12.6 V $\overline{\text{---}}$ 2A					
Charging time	2.5 hours					
Dimension	129.5mm(Length) x 45mm(Diameter) x53mm(Head)					
Net weight	430g					
Weight in water	215g					
Accessories	home charger, ball joint, OrcaTorch rubber ring, O-rings					

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 under laboratory conditions. The parameters are approximate and may vary between flashlights and environments.

OPERATION INSTRUCTIONS

1. ON/OFF: The left button controls Red and UV lighting source, while the right button controls white lighting source. Pressing either the button for 2 seconds will turn it on. (Please remove the insulator on the battery pack when you use the light for the first time. Then you may screw the light tightly, the light will turn into default low mode, when you press the right button, it will turn off).
2. Modes selection: Press the left button to switch modes between red, UV and off. Press the right button to switch modes among Flood beam – high, Flood beam – low, Spot beam – high, Spot beam – low and off.
3. Charging: Connect the magnetic port to the power source by the included home charger, the light will start charging, the charging indicator on the home charger will also turn red. When the battery is fully charged, the indicator will turn green and the charging will stop automatically.
4. Safe lock function: The light will turn into "safe lock mode" automatically when the light is in off mode for over 3 minutes. In this lock mode, pressing the switch will only turn on the LED indicator; you need to keep pressing the button for over 2 seconds to turn the light on.
5. Battery indicator: The LED indicator will be on when the corresponding lighting source is turned on. When the battery power is over 30%, the indicator is green. The indicator will turn red when battery power is less than 30%, and the indicator will be in red and keep flashing when battery power is less than 10%.
6. Intelligent Over-Heat protection: This torch is specially designed for underwater use. 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.
7. The total runtime will be extended significantly if the light is used discontinuously.

BATTERY USAGE:

1. Please remove the insulator on the battery pack when you use the light for the first time.
2. Do not use any battery pack or cell which is not designed for use with the product.
3. Battery give their best performance when operated at normal room temperature 20°C ±5°C.

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 don't disassemble the sealed head, doing so may cause damage to the flashlight and will void the warranty.
- ✦ 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.
- ✦ Please clean the contacts of your light from time to time.

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.

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