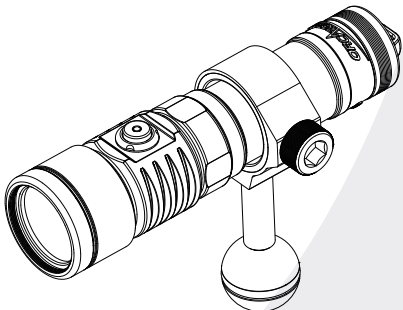




User manual



D710V MK2

Three-color Light Source Video Light

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

PRODUCT INTRODUCTION

The OrcaTorch D710V MK2 is an updated underwater video light designed for divers and underwater photographers who demand versatility and high performance. With a powerful 2300-lumen output and an ultra-wide 120° flood beam, it delivers uniform, shadow-free illumination with no blind spots, ensuring stunning clarity in every shot.

The D710V offers effortless operation with three specialized light modes. Neutral White – Delivers crisp, natural lighting for vibrant underwater scenes. Red Light – Perfect for photographing shy marine life without causing disturbance. UV Light – Enhances fluorescent night diving by illuminating biofluorescent organisms—no extra filters needed.

The new-generation MK2 version features upgraded white light brightness and adds two UV light source, delivering a brighter and superior lighting experience.

PRODUCT FEATURES

- ✓ Triple LED: White (2300 lumens), Red, UV
- ✓ 120° Wide Beam – No blind spots, ideal for video
- ✓ 1×21700 Li-ion Battery with USB-C charging—Long runtime, easy charging
- ✓ 150m Depth Rated – Rugged A6061-T6 aluminum, toughened glass
- ✓ Smart Features: Side titanium switch, battery indicator, safe lock, overheat & reverse polarity protection

TECHNICAL PARAMETERS

ANSI/NEMA FL1	White		Red	UV
	Modes	High	Low	High
Output	2300 Lumens	750 Lumens	150 Lumens	10 Lumens
Runtime	1h 20mins	2h 40mins	4h 10mins	2h 30mins
Impact Resistant	1.5m			
Working voltage	2.8V-4.2V			
Dimension	145.8mm(Length) x 27mm(Tube Dia.) x 36mm(Head Dia.)			
Net weight	145g (Excluding battery)			
Accessories	21700 5000mAh USB-C Rechargeable Battery x 1, USB-C Charging Cable x 1, ZJ18 Ball Joint Bracket x1, Spare O-ring x 3, Lanyard x 1			

Notice: All performance data is measured per ANSI/NEMA FL1 standards using an OrcaTorch 21700 Li-ion battery (3.6V, 5000mAh) in controlled lab conditions. Real-world results may vary due to battery differences, environmental factors, or individual unit variations.

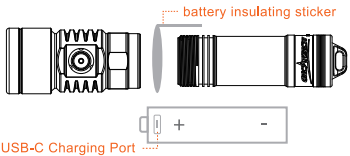
OPERATION INSTRUCTIONS

- Mode Selection
Press the side button to cycle through: High White → Low White → Red → UV → Off. Long-press (any mode) to turn off instantly.
- Battery Indicator (When On)
Green (≥40%) – Good power
Red (10%-40%) – Low, recharge soon
Flashing Red (<10%) – Critical, replace/charge immediately
- Safe Lock (Prevents Accidental Activation)
Lock: Hold side button 5 sec (off) → White Light Flickers twice.
Locked state: Single-click won't activate the light; battery indicator shows green.
Unlock: Double-press → Flickers twice (ready to use).
- Overheat Protection
Designed for underwater use—land operation may cause overheating. Auto dims at 65°C to prevent damage.
- Runtime Optimization
Intermittent use extends battery life significantly.

BATTERY REPLACEMENT

- As shown in the figure, insert the battery with the anode side (+) toward the light head.
- Please do not reverse battery to avoid damage to the flashlight and battery.
- Please do not use battery with higher voltage than flashlight working voltage.
- Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.

Notice:
For first-time use, please remove the battery insulating sticker.



USB-C Charging Port

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 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, 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.

To ensure your safe use of this product, please carefully read and adhere to the following warnings and disclaimer.

⚠ WARNINGS

- Keep Out of Reach of Children**
This flashlight should be stored out of reach of children. Children are strictly prohibited from using this flashlight to prevent accidents.
- Avoid Direct Eye Exposure**
Do not shine the flashlight directly into the eyes. The intense light may cause irreversible damage to the eyes. Maintain a safe distance when using the flashlight.
- Avoid Close Proximity to Flammable Objects**
Do not use the flashlight in close proximity to flammable materials. The flashlight generates high temperatures during operation, which may cause objects to ignite, posing a safety hazard.
- Prohibit Unconventional Use**
Do not use the flashlight in unconventional ways, such as holding it in your mouth. Malfunctions of the flashlight or its internal battery may result in personal injury or life-threatening situations.
- Be Aware of Temperature**
The flashlight generates significant heat during operation, and the surface may become very hot. Be cautious to avoid burns and do not touch the surface of the flashlight while in use.
- Avoid Placement in Enclosed or Flammable Environments**
When storing the flashlight in enclosed spaces such as pockets or backpacks, ensure it is turned off and the switch is locked, to prevent accidental activation. Avoid using the flashlight near flammable materials to prevent
- Non-Replaceable Light Source**
The light source of this flashlight is not replaceable. When the light source reaches the end of its lifespan, replace the entire flashlight. Do not attempt to replace the light source yourself to ensure safety.



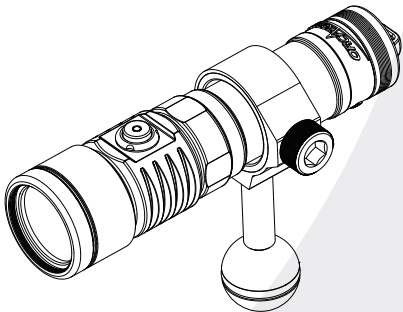
Scan QR Code to Enter Official Website

ORCATORCH TECHNOLOGY LIMITED

Tel: +86-755-33560383
Fax: +86-755-29454989
Email: info@orcatorch.com
Website: www.orcatorch.com
Address: 4th Floor, Building 6, Huafeng Science and Technology Park, 535 Fengtang Avenue, Fuyong, Bao'an District, Shenzhen, China (518103)



说明书



D710V MK2

三色光源水下摄影灯

感谢您购买这款 OrcaTorch 产品。使用前请仔细阅读本手册并妥善保管以备参考！

产品介绍

OrcaTorch D710V MK2 是一款升级版专业水下摄影灯，专为追求多功能与高性能的潜水员和水下摄影师打造。2300流明白光输出 + 120°超广角泛光 —— 光线均匀无死角，消除阴影，确保每一帧画面都清晰震撼。三色专业光源：中性白光：还原真实色彩，呈现鲜活水下场景。红光模式：无惊扰拍摄敏感海洋生物。UV紫外光：直接激发荧光生物，夜潜无需额外滤镜。

新一代MK2版本升级了白光亮度，增加了UV光源，提供更亮，更好的照明体验。

产品特点

- ✓ 白光 (2300流明) / 红光 / UV紫外光
- ✓ 120°超广角光束 - 无拍摄死角，视频创作理想之选
- ✓ 军用级A6061-T6铝合金机身 + 钢化玻璃镜片
- ✓ 150米深度防水认证
- ✓ 21700锂离子电池 (Type-C直充接口)
- ✓ 电量指示灯 / 安全锁 / 过热保护 / 防反接保护
- ✓ 钛合金侧按开关 (戴手套也可轻松操作)

技术参数

ANSI/NEMA FL1	白光		红光	UV光
	档位	高亮档	低亮档	高亮档
亮度	2300流明	750流明	150流明	10流明
续航时间	1小时20分	2小时40分	4小时10分	2小时30分
防跌落高度	1.5米			
工作电压范围	2.8V-4.2V			
尺寸	145.8mm(长度) x 27mm(筒身直径) x 36mm(头部直径)			
净重	145g (不含电池)			
配件	21700 5000mAh USB-C可充电电池 x 1, USB-C充电线 x 1, ZJ18支架x1, 防水圈x 3, 手绳x 1			

本产品性能数据严格遵循 ANSI/NEMA FL1 国际测试标准：
· 测试条件：实验室环境使用 OrcaTorch 21700 锂电池 (3.6V/5000mAh)
· 实际使用中，因电池个体差异、环境因素及产品公差，数据可能存在合理浮动

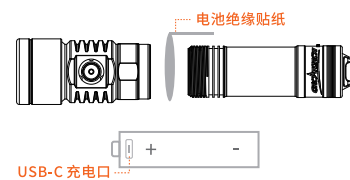
操作说明

- 模式切换
单击侧键循环切换：白光高亮 → 白光低亮 → 红光 → UV光 → 关闭，长按侧键 (任意模式) 立即关机。
- 电量显示 (工作时)
绿灯 (≥40%)：电量充足。
红灯 (10%-40%)：电量不足，建议充电。
红灯闪烁 (<10%)：电量告急，请立即充电。
- 安全锁 (防误触)
上锁：关机时长按侧键5秒 → 白光闪烁2次。锁定状态：单击侧按键，电量无法点亮，电量指示灯显示绿灯。解锁：双击侧键 → 白光闪烁2次后解锁。点击侧按键，电量点亮。
- 过热保护
本产品为水下使用设计，陆地长时间使用可能过热，当温度达65°C时自动降档保护。
- 续航优化
间歇使用可显著延长电池工作时间。

电池使用

- 如图，将电池正极朝灯头方向，负极朝筒尾方向装入筒身；
- 请勿反装，以免造成手电和电池的损坏；
- 请勿使用超电压电池，以免损坏手电；
- 请勿使用表面有破损或者变形的电池，以免发生短路、爆炸、漏液等情况。

注意：首次使用，请移除电池绝缘贴纸。



USB-C 充电口

使用与维护

- 由于海水具有腐蚀性，请在使用后用清水冲洗手电表面，并擦干水份。
- 请勿将手电放在沙地上，以防止细沙进入手电开关或螺纹缝隙。
- 拧紧电筒所有连接处后方可入水。
- 每次潜水后将电池取出。
- 请勿拆卸灯具头部密封部件，否则会导致保修失效并可能损坏灯具。
- 请使用优质电池，并且当长期不用灯具时将电池从灯具中取出，否则可能因电池漏液或者爆炸，造成灯具损坏。
- 长期使用后，灯具的O型圈可能受到损坏。如果发现了这种情况，请您更换O型圈以维持手电的防水性能。为保持O型圈 (密封胶圈) 及螺纹旋动顺畅，请定期在其表面涂抹硅脂润滑。
- 请经常清洁灯具的导电接触面以保证灯具的正常工作。特别是当灯具出现异常的闪烁或者无法点亮的时候，以下是几个可能导致灯具出现异常的闪烁或者无法点亮的原因：

原因一：电池电量不足，需要更换。
解决方案：更换电池 (装入新电池时请注意正负极方向)
原因二：螺纹或者PCB板的导电接触面或其他接触面/接触点被弄脏了。
解决方案：用酒精棉签清洁导电接触面或接触点。
如果上述方法无效，请联系经销商并按售后服务条款保修。

保修条款

- 一、30天包换期：本产品自售出之日起30天内，在正常使用情况下，出现产品质量问题，客户可选择维修服务或者更换同型号同规格的新品。如同型号同规格的产品停止生产或因其他原因不能在合理时间内安排更换，则调换不低于原产品性能的同品牌产品。
- 二、1年免费保修期：本产品自售出之日起1年内，用户在正常使用情况下，出现产品质量问题，则享受免费维修服务。因使用不当或擅自改装、维修而引起的产品缺陷、损坏，不在保修范围内。
- 三、终身有限保修：在超过1年免费保修期时间外，ORCATORCH将提供有偿维修服务，费用以实际更换材料费用为准，不另收取人工费用。
- 四、消费者保修时凭ORCATORCH《保修卡》、购物发票或收据、网上购物时销售商提供的销售凭证与经销商联系，由经销商对消费者提供服务，我公司将对经销商提供服务支持。

请通过官方网站 www.orcatorch.com 注册您的产品以获得1年质保。
警告：本产品亮度极高，请勿直视发光体，以免造成视力损伤。

为了确保您安全使用本产品，请务必仔细阅读并遵守以下警示和免责声明。

⚠ 警示

- 避免儿童接触
本灯具应放置在儿童无法接触的地方。严禁儿童使用本灯具，以免发生意外。
- 避免直接照射眼睛
请勿将本灯具近距离内照射到眼睛。强光可能会对眼睛造成不可逆的伤害。使用时请保持一定距离。
- 避免近距离照射易燃物体
请勿将本灯具在近距离内照射易燃物品。灯具在工作时会产生较高温度，过热可能导致物体燃烧，带来安全隐患。
- 禁止非正常使用方式
请勿将本灯具以口含等非正常方式使用，避免因灯具或内部电池出现故障时，导致人体伤害或生命危险。
- 注意灯具温度
本灯具在工作时会产生大量热量，外壳温度可能会过高。请使用时注意防烫，避免接触灯具表面以防烫伤。
- 避免放置于密闭易燃环境
在将灯具放置于口袋、背包等密闭环境中时，请务必关机并锁定开关，或将电池取出，以防止误触而意外开启。避免在易燃物品附近使用，以免引发火灾。
- 光源不可替换
本灯具的光源不可拆卸或替换。当光源使用寿命结束时，请更换整个灯具，不要试图自行更换光源，以确保安全。
- 电池安全
仅使用制造商推荐或随附的电池和充电器。避免电池短路、过充、过放或暴露在极端温度下，以防发生火灾或爆炸。更换电池时，请确保正负极安装正确。

深圳市拓飞电子有限公司

电话: +86-755-33560383 传真: +86-755-29454989
邮箱: info@orcatorch.com 网址: www.orcatorch.com
地址: 中国深圳市宝安区福永镇凤塘大道
535号塘尾华丰科技园6栋4楼
邮编: 518102