



Fenix TK60 Flashlight

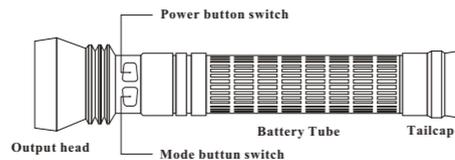
Fenix TK60 is a high-intensity multi-functional flashlight powered by D batteries. The dual switch system in the front can realize a rapid selection between the four brightness levels and the two different flashing functions. With a max 860-lumen output and a 15-day extremely long runtime, it must be able to meet your needs in various conditions. Meanwhile the compact design can lessen the volume and decrease the weight of TK60 to the largest extent. With the perfect combination of the outstanding performance and the enjoyment of using it, TK60 is the dependable partner when outdoor searching, caving or using as a spare light for automobiles, etc.

TK60

Cree XM-L LED, Max 860 Lumens

User manual

Fenix Flashlight
Illuminate Your Adventure



Technical Parameters

ANSI/FSC	General Mode				Flashing Mode	
	Turbo	High	Mid	Low	Strobe	SOS
OUTPUT	860 LUMENS	365 LUMENS	120 LUMENS	15 LUMENS	860 LUMENS	120 LUMENS
RUNTIME	5h	17h	57h	450h		
DISTANCE	486m					
INTENSITY	59000cd					
IMPACT RESISTANT	1m					
WATERPROOF	IPX-8, underwater 2m					
ACCESSORIES	Lanyard and spare o-ring					

- Uses Cree XM-L U2 LED with a lifespan of 50000 hours
- Uses four 1.5V D (Ni-MH, Alkaline) batteries
- 354mm (Length) x 40mm (Diameter) x 62.5mm(Head)
- 407-gram weight (excluding batteries)
- Digitally regulated output - maintains constant brightness
- Reverse polarity protection, to protect from improper battery installation
- Dual switch system in the front, simple and fast operation
- Made of durable aircraft-grade aluminum
- Premium Type III hard-anodized anti-abrasive finish
- Toughened ultra-clear glass lens with anti-reflective coating

Notice: The above-mentioned parameters (lab-tested with four high-quality D Ni-MH batteries with a measured capacity of 9000mAh) are approximate and may vary between flashlights, batteries and environments.

Operation Instruction

The right button switch with a power source mark is a power switch. The left button switch with a recycling symbol is a mode switch. A single press on the power switch can turn it on/off. When turn on the light, a single press on the mode switch allows switching between Turbo→ Low→ Mid→ High→ brightness levels; Press and hold the side mode switch for about one second to enter into Strobe mode.

Press and hold the side mode switch for about three seconds to enter into SOS mode. While in Strobe or SOS mode, a single press on the side mode switch returns you to the non-flashing mode. TK60 memorizes the brightness level while in the general mode. When turned off and then on, the flashlight automatically enters the general (non-flashing) mode.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Ni-MH battery	D	1.2V	Recommended	✓
Alkaline battery	D	1.5V	Usable	✓
Rechargeable Battery (Li-ion)	32650	3.7V	Banned	✗
Rechargeable Battery (LiFePO4)	32650	3.7V	Banned	✗

*Please do not use the banned batteries, or it will cause damages to the flashlight. Warning: please do not mix using batteries of other manufacture, capacity, size or type. Doing so will cause damages to the batteries or flashlights.

Battery Replacement

Unscrew the tail cap to put in the batteries with the anode side (+) toward the light head, screw the tail cap and the extension tube back on to test.

Usage and Maintenance

- For first use, open the package and screw off the tail cap to attach the extension tube to the end of the tube. And then put in four batteries with the anode side (+) toward the light head, screw the tail cap and the extension tube back on to test.
- If the light is not used for a couple of days, please unscrew the tail cap for half a turn to prevent slow discharge of the batteries.
- The light can be powered by three batteries in emergency. Please screw off the extension tube from the tube and put in three batteries, screw the tail cap back on to test. However in this case, the runtime of each brightness level will be shortened.

● When necessary, TK60 can be powered by the rechargeable 32650 batteries (Li-ion); please screw off the tube from the light head and tighten the light head with the extension tube; put in the batteries and screw the tail cap back on to test. However, in this case, the runtime of each brightness level will be shortened. By the way, Li-ion batteries are industrial batteries and not for domestic use. Using inferior batteries or misusing batteries (short circuit or high temperature, etc) may cause combustion and explosion which will damage people and their property. Therefore, when using such batteries, users will agree to take the relevant responsibility voluntarily. Quality Li-ion batteries with protective circuit can lower the risks to some degree.

- Please don't disassemble the sealed head as doing so can cause damage to the flashlight and will void the warranty.
- To get the most from this TK60, Fenix recommends using high-performance Ni-MH rechargeable batteries. Alkaline batteries will reduce runtimes significantly.
- High-quality batteries are essential and must be removed when the flashlight will not be used for an extended period of time. As with other performance electronics, TK60 can be damaged by battery leakage and the potential for battery explosion.
- Long-term use can result in O-ring wear. To maintain a proper water seal, replace the ring with an approved spare.
- Periodic cleaning of the battery contacts improves the flashlight's performance as dirty contacts may cause

the TK60 to flicker, shine intermittently or even fail to illuminate for the following reasons:

- Reason A:** The batteries need replacing. **Solution:** Replace batteries (Please confirm the correct installation of anode and cathode).
 - Reason B:** The threads, PCB board contact or other contacts are dirty. **Solution:** Clean the contact points with a cotton swab soaked in rubbing alcohol.
- If the above methods don't work, please refer to the warranty policy before contacting your authorized distributor. Notice: The routine cleaning video can be watched and downloaded through Fenix official website, please log onto the service channel->'maintenance for light'.

Product Warranty

We will replace products afflicted with manufacturing defects within 15 days of purchase and repair a light free of charge within 24 months of purchase if problems develop with normal use; if repair is required after 24 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Warranty Card Registration

We kindly suggest that you register your guarantee card on the official website of Fenixlight Limited. You can get an extra six-month warranty period once you have successfully registered. What's more, you could take part in the lottery of questionnaire at the same time.

Warning

TK60 is a high-intensity lighting device and capable of causing eye damage, avoid shining the light directly into the eyes.

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TK60 手电筒

Fenix TK60是一款超高亮度的多功能D型电池手电。颈部的双开关可以方便快速地在4个不同的亮度档位和2种闪烁及信号模式之间切换，最高达到860流明的亮度和最长超过15天的续航时间，使之足以适用于不同环境下的各种照明需求。

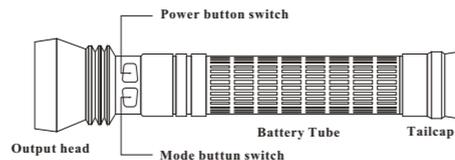
同时，精密紧致的设计，最大程度的缩减了TK60体积和重量，把优秀的性能和使用感受完美地结合在一起，使之成为可以扮演户外搜索、探洞照明、汽车备用灯等各种角色的全能尖兵。

TK60

Cree XM-L LED,最高亮度860流明

说明书

点亮激情户外



技术参数

ANSI/FSC	照明模式				闪烁模式	
	极亮档	高亮档	中亮档	低亮档	爆闪档	SOS档
亮度	860流明	365流明	120流明	15流明	860流明	120流明
续航时间	5小时	17小时	57小时	450小时		
最大射程	486米					
最大光强	59000坎德拉					
防跌落高度	1米					
防水等级	IPX-8, 水下2米					
附件	手绳、备用防水圈					

- 使用Cree XM-L U2LED, 寿命50000小时
- 使用4节1.5V D型(镍氢, 碱性) 电池
- 354毫米(长) x 40毫米(直径) x 62.5毫米(筒头)
- 净重407克(不含电池)
- 恒流电路, 亮度恒定
- 防反接设计, 防止电池装反对电路造成危害
- 前置双按钮开关控制, 操作方便快捷
- 采用航空铝材制造
- 表面进行了军规三级硬质阳极氧化的抗磨处理
- 使用双面增透膜钢化玻璃镜片

注：上述参数只是一个近似值，以4节实测容量9000mAh的优质D型的镍氢电池在实验室环境中测试所得，可能会随着手电、电池和使用环境而发生变化。

操作说明

右侧带电源标志的按钮为电源按钮，左侧带循环标志的按钮为调光按钮。

单击电源按钮可打开/关闭手电。
手电打开时，单击调光按钮，即可按极亮→低亮→中亮→高亮→循环的顺序调节亮度。

长按调光按钮1秒，可以进入爆闪模式，以6Hz或15Hz的频率进行闪烁，并且每2秒切换一次闪烁频率。
长按调光按钮3秒，可以进入求救模式，按照SOS求救信号进行闪烁。

爆闪或求救模式下，单击调光按钮可以进入照明模式。

手电会自动记忆照明模式的亮度档位，但不会记忆模式。每次打开时都会以照明模式开始工作。

电池选用

电池类型	尺寸规格	标称电压	是否可用	
镍氢电池	D	1.2V	推荐	✓
碱性电池	D	1.5V	可用	✓
可充锂离子电池	32650	3.7V	禁止	✗
可磷酸铁锂电池	32650	3.2V	禁止	✗

*使用禁止使用的电池，可能导致手电工作不正常或损坏。

警告：请不要将不同种类的电池混合使用，以免损坏电池或手电。

电池更换

旋开尾盖装入标称电池，注意将电池以正极方向正向装入筒身，旋紧尾盖及加长筒即可工作。

使用与维护

- 初次使用时，请在拆开包装后，将筒身上的尾盖旋下，将加长筒旋入筒身尾端，再将4节标称电池以正极方向正向装入筒身，旋紧尾盖及加长筒即可工作。
- 若数天不用手电，请将尾部旋松半圈以上，以避免电池在手电中缓慢放电。
- 在紧急情况下，可以使用3节电池驱动手电：将加长筒从筒身上旋下，装入3节电池，旋紧尾盖即可。但此状态下手电的各档位续航时间将会缩短。
- 对体积有特别要求时，可以使用1节3.7V的可充锂离子32650电池驱动手电：将筒身从筒头上旋下，再将加长筒与筒头旋紧，装入电池，旋紧尾盖即可。但此状态下手电的各档位续航时间将会严重缩短。另外，锂离子(Li-ion) 电池属于工业电芯，并非有安全保障的民用电池，当电池品质不良或者使用不当(短路、高温等等)时可能发生燃烧、爆炸并危及人身和财产安全，若使用此电池种类应明白其中的风险并自愿承担相应的责任。使用品质优秀并带有保护电路的锂离子电池会在一定程度上降低风险。
- 请勿拆卸灯具头部密封部件，否则将会导致保修失效并可能损坏灯具。
- 大功率灯具需要电池具备极佳的大电流放电能力，我们强烈推荐使用性能优秀的可充电镍氢电池作为灯具电源，使用碱性电池将会让灯具高亮度工作的续航时间明显减少。
- 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，手电的O圈可能受到损坏。如果发现了这种情况，请您更换O圈以维持手电的防水性能。
- 请经常清洁手电的导电接触面以保证手电的正常工作，特别是当手电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手电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，请联系经销商并按照售后服务条款保修。
注：对手电进行日常清洁的操作录像，您可以在Fenix官方网站上的“客户服务”->“手电日常维护”栏目中查看或下载。

保修条款

- 一、15天保换期：FENIX产品自售出之日起15天内，在正常使用情况下，出现产品质量问题，客户可选择更换新品或维修服务，要求更换时，所换产品应为返修产品同型号同规格的新品；如同型号同规格的产品停止生产时，则调换不低于原产品性能的同品牌产品。
- 二、2年免费保修期：FENIX产品自售出之日起2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。
- 三、终身有限保修：在超过2年免费保修时间外，Fenixlight Limited 公司将提供有偿保修，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Fenixlight Limited《质量保证卡》、购物发票或收据或网上购物时零售商提供的号码与经销商联系，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。
- 五、Fenixlight Limited公司建议消费者到Fenixlight Limited网站注册网络版的《质量保证卡》，这样消费者可以再得到6个月的免费保修期，即共有2年6个月的免费保修期。

警示

本手电亮度极高，请勿直视发光体，以免造成视力损伤。

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