

ER16
USER MANUAL

ER16 is a Mini rechargeable side switch LED flashlight, holds a CREE XP-L LED, when powered by 1*16340 (RCR123A), output max 1000lumen. 4 modes(Turbo-High-Medium-Low) and Strobe tactical function, magnetic tail cap for free hand applications, designated for outdoor sports and family travelling as backup lighting gear, It's also ideal for everyday-carry.

Caution

- Turn on in "strobe" mode may cause seizure in persons with photosensitive epilepsy.
- When operated for a long time, it will get uncomfortably warm. This is NORMAL and is not a defect.
- Do not recharge the torch in Micro USB cable when powered by CR123A battery

Features

- High-strength aerospace aluminum body, Mil-Spec hard anodized for extreme durability
- Coated tempered resists impact glass in high light transmittance
- Metal filmed reflector to create a high intensity beam
- Waterproof O-ring and gasket sealing
- Side switch in lockup and memory function
- Power detection and Indicator feature, precise 0.1V
- Smart temperature control system assure stable output
- Maximum output of 1000lm, 150m beam distance
- Turbo, High, Medium, Low modes and Strobe function
- Rechargeable Micro USB port
- Magnetic tail cap for free hand applications
- USB cable, removable pocket clip, nylon holster and Lanyard included.
- IPX-8 water resistance, 2 meter impact resistance tested

ANSI Chart

FL 1 STANDARD	TURBO	HIGH	MEDIUM	LOW	STROBE
OUTPUT 16340(RCR123A)	1000LM	340LM	130LM	3LM	1000LM
RUNTIME 16340(RCR123A)	0.5h	1.5h	6h	60h	
OUTPUT CR123A	560LM	120LM	35LM	3LM	560LM
RUNTIME CR123A	0.5h	1.5h	6h	60h	
INTENSITY	4,500cd				
DISTANCE	150m(Max)				
WATERPROOF	IPX-8				
IMPACT RESISTANCE	2m				

The above running time data tested on the Fitorch lab in regular ambient temperature, use 1*16340(RCR123A) Li-on rechargeable battery, different batteries may get tolerance data when compares with it.

Specification

- LED: Cree XP-L
- Input: DC2.75V-4.20V
- Output: max 1000 lumen
- Reflector: precise metal filmed
- Glass: filmed mineral glass
- Material : HA-III military hard-anodized finish aluminum alloy
- Housing: Premium Type III hard-anodized anti-abrasive finish of black
- Switch: Side Switch
- Powered: 1*16340/(RCR123A)/1*CR123A battery
- Size: head: Ø 0.97 inch/ Ø24.5mm, housing: Ø 0.97 inch /Ø24.5mm, Length: 3.67 inch/93mm
- Weight: 2.59 Ounces/72.4g (exclude battery)



WeChat



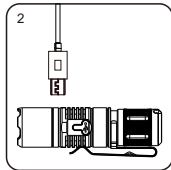
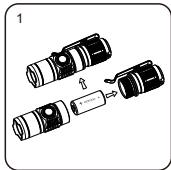
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Manual

- **Battery Load:** Insert the 1*16340(RCR123A)/1*CR123A as illustrated.
- **Lock/Unlock:** lock, when power off, press the side switch until torch's bulb flickering in low output, long press again unlock.
- **On/Off:** Hold and short press side switch power on, long press off.
- **Mode Change:** when power on, short press the side switch, Turbo-High-Medium-Low-Turbo mode will be changed in cycle, quick press the side switch in twice, Strobe mode will be active, then press the side switch once, back to normal illumination mode.
- **Power Recharging:** lift the black rubber lid and connect the USB cable Included to the Micro USB port then Insert another end to the USB outlet as below guide, please note when torch is recharging in USB cable, the lamp will blink in green and finally stay in green or lamp off status when battery full charged.



Power Tips

- The flashlight has battery Indicator function, quick tap the side switch in 3 times, the lamp under the side switch button will blink in Green and Red, one Green blink Indicates 1V, one Red blink Indicates In 0.1V, for Instance, 3.8V, 3 Green blinks and 8 red blinks.
- Low power warning, when voltage less 3.4V, slow red blinks, less 3.0V, quick Red blinks.

Accessories

- Standard: USB Cable, removable pocket clip, Lanyard, holster, spare waterproof ring and snap cap
- Optional: battery and recharger

Battery

Rechargeable Li-on battery	1*16340(RCR123A) 3.7V
Lithium	1*CR123A 3.0V

Store and maintenance

- Disassembling the sealed head will damage the lights and void the warranty.
- High quality batteries are recommended.
- O-ring will be wear after a Long-term use, change it in included spare one to maintain watertight seal.
- Unload the batteries if assure the torch won't use a bit of long time, then better put it into Inner box.
- Store and keep the torch off fire, statics, steaming and humidity surroundings.

- Clean the body with soft fabric clothing then lubricate in silicon grease per half a year.
- Periodic cleaning of batteries contacts to improve the flashlight performance as dirty contacts cause the lamp flicking, shine intermittently or even fail to illuminate for below factors.
A: Battery need replacing (choose the battery which mentions on this manual)
B: PCB, Spring or other contacts is dirty (clean the contacts in cotton swab in soaked rubbing alcohol)

Warranty

- Any problems happened during 15 days after sold, you can get a new replace one from the local distributors or dealers.
- We provide 60 months(5 years) warranty for free after sold out, over 60 months, only collect the cost of main parts for replacement.

Unwarrantable

- Damage, destruction, disassembly, reconstruct and unauthorized modify on purpose.
- Destruction caused improper use.
- Damage for batteries leakage.