







Fenix RC09 Flashlight

Fenix RC09 is prominent not only as the rechargeable flashlight features magnetic charging but also for its innovative dual-purpose charging cable with magnetic charging port and Micro USB charging port. From only one rechargeable 16340 Li-ion battery, this 2.83-inch long EDC puts out max 550 lumens, cold resistant CR123A Lithium battery is available as well. Two-position body clip and magnetic suction bottom make RC09 rated as ingenious in multifarious application scenarios.

Technical Parameters

ANSI/PLATO FL1	General Mode				Strobe
	Turbo	High	Mid	Low	
 Output	550 Lumens	150 Lumens	50 Lumens	5 Lumens	550 Lumens
 Runtime	35min*	2h 35min	8h 55min	56h	/
 Max Distance	115m				
 Max Intensity	3300cd				
 Impact Resistance	1m				
 Waterproof	IPX-8, underwater 2m				
Accessories	Lanyard, holster, body clip, spare O-ring, charging cable, Fenix 16340 rechargeable Li-ion battery				

Notice: The above-mentioned parameters (lab-tested by using one Fenix 16340 rechargeable Li-ion battery 3.7V/700mAh) are approximate and may vary between flashlights, batteries and environments.

*Due to the protective setup of downshifting from Turbo to High after working 5 minutes, so the runtime of Turbo is the accumulated time.

- ◎ Utilizes Cree XM-L2 U2 LED with a lifespan of 50,000 hours
- ◎ Powered by one 16340 rechargeable Li-ion battery or one CR123A Lithium battery can be taken under emergency circumstance
- ◎ 72mm Length x 21.5mm Diameter
- ◎ 45 grams (excluding battery and charging cable)
- ◎ Magnetic suction charging port in the neck, one included 16340 rechargeable Li-ion battery
- ◎ Tailored magnetic charging cable also available in portable MICRO USB devices
- ◎ One-switch for fast and convenient operation
- ◎ Specialized two-position body clip, magnetic suction bottom
- ◎ Lock-out function avoids accidental operation
- ◎ Intelligent over-heat protection to avoid high temperature of the surface
- ◎ Low-voltage warning reminds when battery replacement is needed
- ◎ Reverse polarity protection, to protect from improper battery installation
- ◎ Digitally regulated output maintains constant brightness
- ◎ Made of durable aircraft-grade aluminum
- ◎ Premium type III hard-anodized anti-abrasive finish
- ◎ Toughened ultra-clear glass lens with anti-reflective coating

Operation Instruction

ON/OFF

When the light is off and unlocked, press and hold the side switch for 0.5 seconds to turn it on. When the light is on, press and hold the side switch for 0.5 seconds to turn it off.

Output Selection

With the light on, single-click the side switch to cycle through Low→Mid→High→Turbo.

Strobe

Under unlocked state, press and hold the side switch for 1.2 seconds to enter into Strobe, click again to turn back to previously used General brightness level.

Lock-out Function

Lock: When the light is off and unlocked, double-click the side switch in 0.5 seconds, the light will blink at Mid twice and then go out, indicating the light is locked.

Unlock: When the light is off and locked, double-click the side switch in 0.5 seconds, the light will be unlocked and power on the last-used output level.

Note: In locked state, the light only responds unlocking operation, press the side switch, the light will blink twice to remind the light is under locked state.

Intelligent Memory Circuit

The flashlight memorizes the last brightness level used in the General mode, the next time it is turned on, it will recall that previously used General brightness level.

Over-heat Protection

The flashlight will accumulate a lot of heat when it is working at Turbo brightness level. When it works at Turbo for 5 minutes, the flashlight will automatically downshift to High output to prevent the light from overheating. If the Turbo output is needed, please reset it again. But the flashlight could be damaged or the normal service life could be shortened because of continuous use like this.

Low-voltage Warning Function

When the voltage level drops below the preset level, the flashlight is programmed to downshift to a lower brightness level. When this happens in Low output mode, the flashlight blinks three times every five minutes to remind you to charge the light or replace the battery. To ensure normal use, the flashlight will not turn off automatically and will work until the over-discharge function stops the battery from working.

Note: This only works on 16340 rechargeable Li-ion battery. When the voltage of 16340 battery is detected lower than 3V, low-voltage warning function will fail if the flashlight is turned on again.

Magnetic Suction Charging

Connect the USB AM port of the charging cable to the power source, the indicator light will turn green. Then draw the magnetic end of the charging cable close to the flashlight, the charging cable will absorb to the charging port automatically and the charging has begun. The indicator light will flash green in charging process. Last the indicator light turns solid green when charging completely done. The normal charging time is about 1.5 hours.

Note:

1. RC09 only charges normal on 16340 rechargeable battery, Fenix ARB-L16-700 battery with protective circuit is recommended.
2. Charging with the light on is not recommended, doing so may cause extended charging time or less fully charged battery. If emergency lighting is needed, the flashlight is only available at Mid output level when it is charging.

Battery Specifications

Type	Dimensions	Nominal Voltage	Usability	
Fenix ARB-L16-700	16340	3.7V	Recommended	√
Rechargeable Battery (Li-ion)	16340	3.6V/3.7V	Cautious*	!

Notice: Under emergency circumstances, CR123A Lithium battery is available, but charging is prohibited. Rechargeable Li-ion battery with no protective board is forbidden.

*16340 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Quality batteries with circuit protection will

reduce the potential for combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

Battery Replacement

Unscrew the light body to insert the battery with the anode side (+) toward the light's head, screw the light body back on.

Usage and Maintenance

© Disassembling the sealed head can cause damage to the light and will void the warranty.

© Fenix recommends using excellent quality battery. If the flashlight will not be used for an extended period, remove the battery, or the flashlight could be damaged by electrolyte leakage or battery explosion.

© Unscrew the light body one-half turn or take out the battery to prevent accidental activation during storage or transportation.

© 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 flashlight 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 boards 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.

Product Warranty

Fenix will replace products with documented manufacturing defects within 15 days of purchase and repair a light free of charge within 5 years (Rechargeable battery: 1 year) of purchase if problems develop with normal use; if repair is required after 5 years from the date of purchase, Fenix will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration

Fenix suggests you register your product on the official website for Fenixlight Limited (www.fenixlight.com). You can get an extra six-month warranty period once you have successfully registered.

Warning

The flashlight is a high-intensity lighting device capable of causing eye damage to the user or others. Avoid shining the light directly into anyone's eyes.

FENIXLIGHT LIMITED

Tel: +86-755-29631163/83/93 Fax: +86-755-29631181

www.fenixlight.com

E-mail: info@fenixlight.com

Address: 8/F, 2nd Building, Dong Fang Ming
Industrial Center, 33rd District, Bao' an,
Shenzhen 518133, China