Fenix RC20 Flashlight

With tailored rechargeable Li-ion battery and standard USB charging cradle, Fenix RC20 simplifies the way of charging. Whether the charging cradle is fixed in the wall or placed in the car, you only need to plug into the flashlight. Moreover, the indicator light in the neck of the flashlight will present battery power level well.

RC20 lights up long-distance view of 290 meters with its 1000 maximum lumen output. One-handed operation by dual tail switch features remarkable tactical ability and easily activates 4 brightness levels plus Strobe, momentary-on function and mode shifting. Dual operation mode makes it better to satisfy the demand for law enforcement, driving lighting, searching and rescuing, etc.

Technical Parameters

ANSI/NEMA FL1	TURBO	HIGH	MID	LOW	STROBE
OUTPUT	1000 Lumens	425 Lumens	150 Lumens	10 Lumens	1000 Lumens
GENERAL MODE	√	√	√	√	√
SIMPLIFIED MODE	√		√		√
RUNTIME**	1h 10 min*	2h 55 min	9h 50 min	120h	/
DISTANCE	290m(Max)				
INTENSITY	21100cd(Max)				
IMPACT RESISTANCE	1m				
WATERPROOF	IPX-8, underwater 2m				
ACCESSORIES	USB charging cradle, USB adaptor, holster, lanyard, spare O-ring				

Notice: The above-mentioned parameters (lab tested by using Fenix ARB-L1-2600 / 2600 mAh rechargeable Li-ion battery) are approximate and may vary between

flashlights, batteries and environments.

*Due to over-heat protection, the runtime of the Turbo brightness level is the accumulated time.

**The flashlight will perform better if uses Fenix ARB-L1-3400 /3400 mAh battery with larger capacity.

◎ Uses Cree XM-L2 (U2) LED with a lifespan of 50,000 hours
◎ Tailored 2600mAh 3.7V rechargeable Li-ion battery
◎ 161mm (length) x 25.4 mm (diameter) x 40mm (head)
◎ 205 grams (including battery)
◎ USB charging cradle
◎ Battery level indicator
◎ Dual tail switch with momentary-on function and instant strobe
◎ General Mode (four brightness levels) and Simplified Mode (two brightness levels)
◎ Digitally regulated output maintains constant brightness
◎ Over-heat protection to avoid high temperature of the surface
◎ Intelligent memory circuit automatically enters the previously used brightness level when turned on again
◎ Low-voltage reminder indicates when battery replacement is needed
◎ Anti- roll, slip-resistant design of the light head
◎ Made of durable aircraft-grade aluminum
◎ Premium type Ⅲ hard-anodized anti-abrasive finish
◎ Toughened ultra-clear glass lens with anti-reflective coating

Instruction

The round one is tactical switch and the semi-round one is mode switch.

ON/OFF
Tap the tactical switch to turn on the light temporarily, release it the light will go out.
Fully press the tactical tail switch to turn ON/OFF the light.

Mode Switching
With the light on, press the mode switch over 3 seconds, the LED will flash twice then constant-on. The light will shift between General mode and Simplified mode.

Output Selection
With the light on, single-click the mode switch to adjust the brightness level.
General Mode: To cycle through Low→Mid→High→Turbo.
Simplified Mode: To cycle through Mid→Turbo.

Instant Strobe

With the light off, long press the mode switch to enter momentary-on strobe, release it the light will go out.

With the light on, long press the mode switch for 0.5 seconds to enter strobe mode, single-click again to turn back to previous status.

Battery Level Indicator

With the light off, single-click the mode switch, the indicator light (in the middle of the charging contact) in the neck of the flashlight will be on for 3 seconds.

Green light constant-on: sufficient power level

Red light constant-on: low power level

Red light flashes: critical power level

Low-voltage Warning Function

1. When the working battery voltage is detected lower than 3.3V, the indicator light will shine automatically to remind charging needed.

2. When the working battery voltage continues to drop lower, the flashlight will downshift to a lower brightness level. When it happens in low output mode, the flashlight will blink three times every five minutes to remind you to recharge the flashlight. To ensure normal use, the flashlight will not turn off automatically until Over-discharge Protection stops the battery from working.

Over-discharge Protection

When the battery voltage is extremely low, the flashlight will turn off automatically to protect the battery from over-discharging.

Over-heat Protection

The flashlight will accumulate a lot of heat when it is working at Turbo output. When the light is overheated up to 65 ℃ or above, the flashlight will automatically downshift the output to prevent the light from overheating. Please reset the Turbo output if needed when temperature drops.

Intelligent Memory Circuit

The flashlight memorizes the last used brightness level except strobe function. The next time you turn it on, it will recall the previously used brightness level in General Mode and Simplified Mode.

Charging

Put the flashlight head into the charger cradle and rotate it until it clicks into the position,

match the polarity port of the flashlight and the cradle's.

When power connects, the indicator light of the charging cradle will turn green without flashlight, the indicator light will turn red with flashlight plugged in, then turns green when charging completely done. The normal charging time is about 3 hours.

1. Please charge the RC20 when the light is off to permit full and fast recharging.

2. If emergency lighting is needed, the flashlight is available at Mid output level when it is charging.

Note: Please recharge a stored RC20 every four months to maintain optimum performance of the battery.

Battery Replacement

Unscrew the tail cap to insert Fenix ARB-L1 series rechargeable Li-ion battery, no need to identify the polarity mark, and then screw the tail cap 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 tail cap one-half turn or take out the battery to prevent accidental activation during storage or transport.

◎ Continuous working at Turbo brightness level, the light may activate over-heat protection or light beam trembling, to maintain normal status, please lower the brightness level to cool down the flashlight.

◎ 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 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

Fenix will replace products with documented manufacturing defects within 15 days of purchase and repair a light free of charge within 5 years 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. By participating in an optional customer survey, you are entered in a drawing for free Fenix products.

Available Accessories

Type	Model
Filter Adapter	AOF-L
Diffuser Tip	AOD-M
Traffic Wand	AOT-L
Bike Mount	ALB-10
Rail Mount	ALG-01

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.