



FENIX HM50R V2.0 High Performance Dual Purpose Head Lamp Owner's Manual

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FENIX HM50R V2.0 High Performance Dual Purpose Head Lamp



OWNER'S MANUAL

MODEL: HM50R

SAFE USE WARNINGS

- Do place this light out of the reach of children!
- Do NOT shine the light directly into the eyes of anyone!
- Do NOT shine flammable objects at close range. to avoid burning objects or causing danger due to high temperature!
- Do NOT use the light in inappropriate ways such as biting in the mouth, to avoid persooal injury or life threats when the light or internal battery fails!
- This light will accumula1e a lot of heat while working, resulting in a high temperature of the flashlight shell. Pay -ntion to safe use to avoid scalding. © Tum ofl and lock the light or remove the battery from the light to prevent accidental activation when the light is placed in a closed and flammable environment such as pockets and backpacks!
- The LED of this flashlight is not replaceable; so the whole light should be replaced when the LED reaches the end of its life.

ENIX HM50R V2.0 HEADLAMP

- 700 lumens maximum output; 138 meters maximum beam distance.
- Luminus SST-20-WS Gen 2 while light LED with a IWespan of 50,000 hours.
- Included a 16340 rechargeable Li-ion battery.
- Detachable structure • can be used as a flashlight.

- White and red lights.
- USB Type-C charging port for easy and fast charging.
- Lockout function avoids accidental activation.
- Made of durable A6061-T6 aluminum.
- Premium type HAII hard-anodized anti-abrasive finish.
- Size: 2.52" x 1.42" x 1.26" / 64 x 36 x 32 mm.
- Weight: 2.81 oz / 79.7 g (including battery and headband).

OPERATING INSTRUCTION

On/off

With the lamp switched off, press and hold the switch for 0.5 seconds to enter white light mode.

With the lamp switched off, double click the switch to enter red light mode. With the lamp switched on, press and hold the switch for 0.5 seconds to turn off the lamp.

Output Selection

White light mode: single click the switch to cycle through Low – Med – High – Turbo. (with intelligent memory circuit)

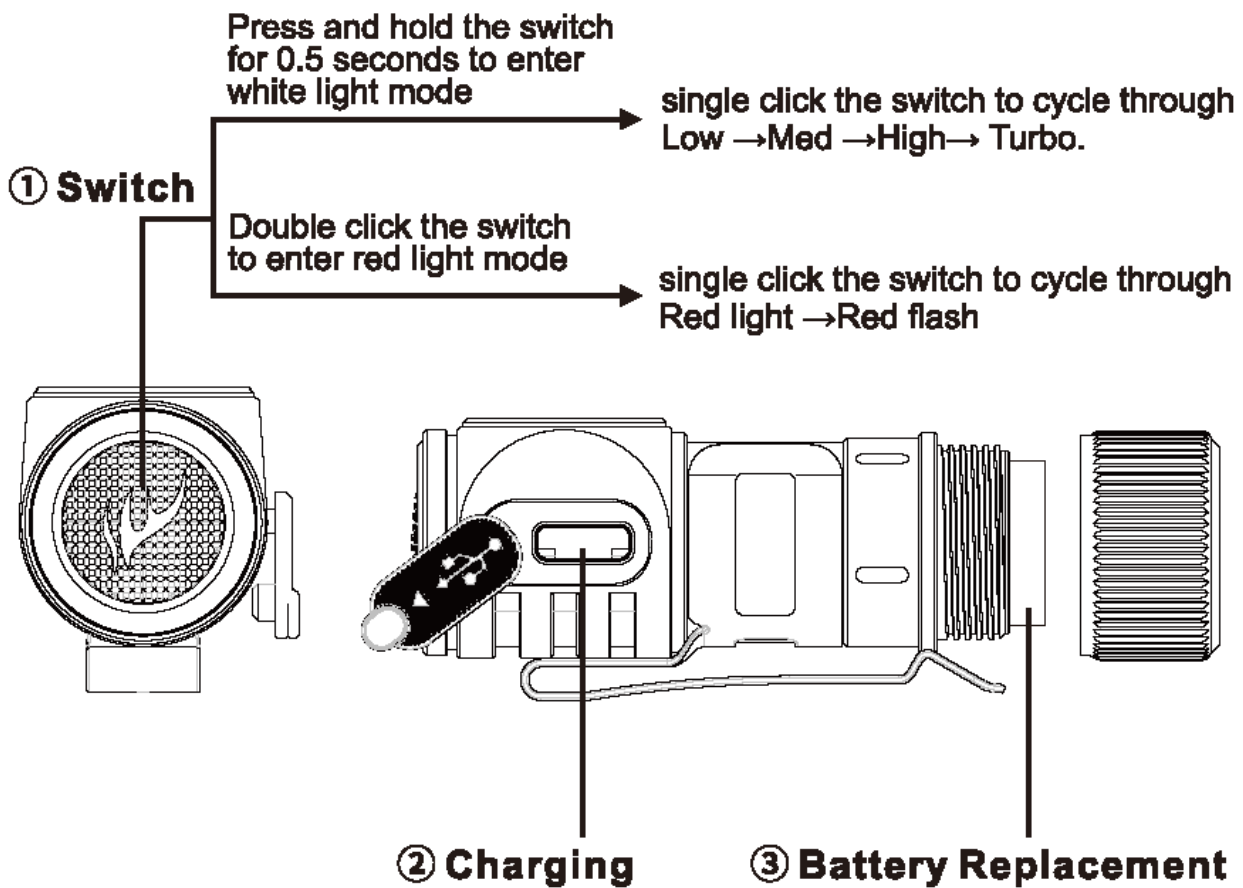
Red light mode: single click the switch to cycle through Red light – Red flash. (without intelligent memory circuit)

Lockout Function

Lock: when the lamp is switched off, press and hold the switch for 3 seconds, the lamp will be switched on white light and then blink red four times to indicate locked status.

Unlock: when the lamp is locked, press the switch for 3 seconds, the lamp will be activated with 4 one-second red blinks and activated on Red Light.

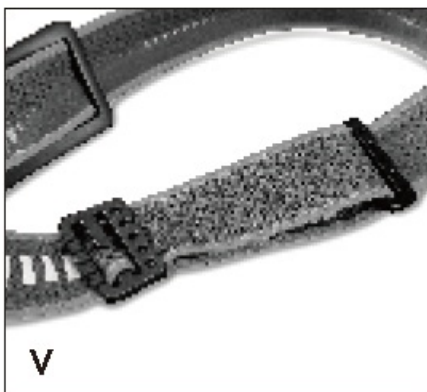
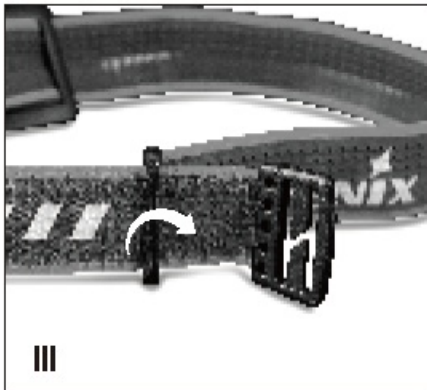
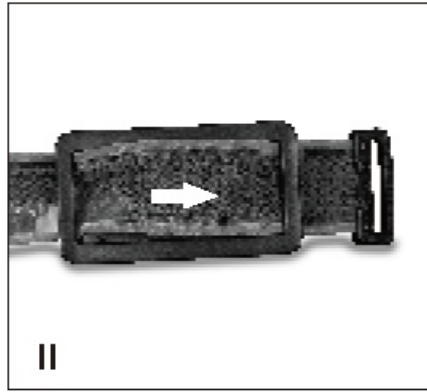
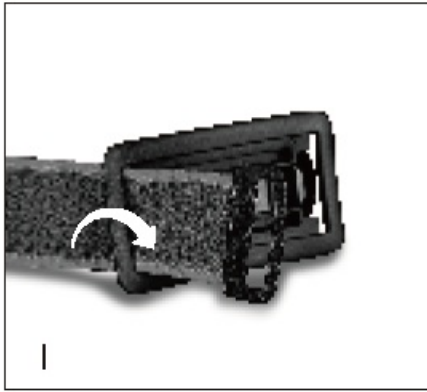
1. Switch



2. Charging

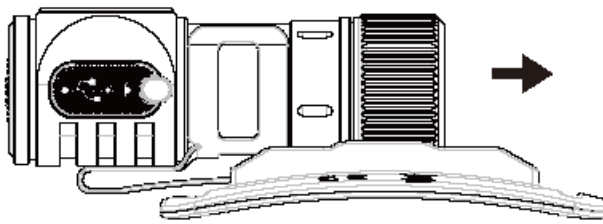
3. Battery Replacement

4. Headband Assembly

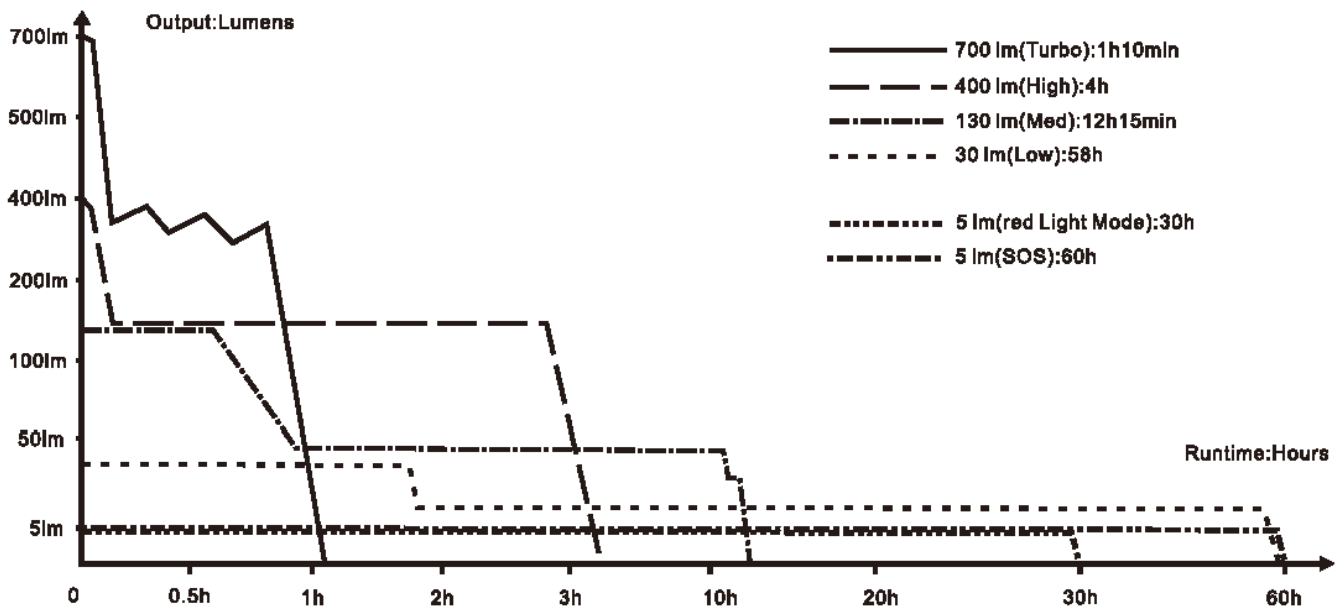
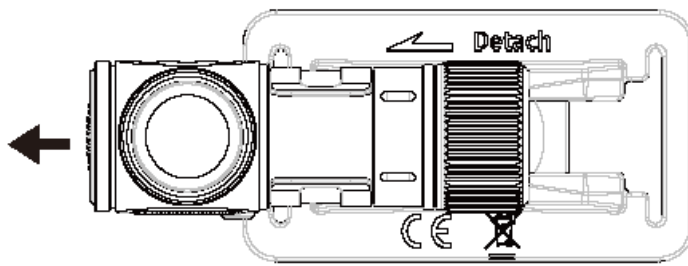


5. Holder Assembly

Assembly: Push in



Disassembly: Pull out



TECHNICAL PARAMETERS

| ANSI/PLATO FL1 | WHITE LIGHT | | | | RED LIGHT | |
|-------------------|--------------------|--------------|---------------------|-------------|-----------|-----------|
| | TURBO | HIGH | MED | LOW | RED | RED FLASH |
| OUTPUT | 700 lumens | 400 lumens | 130 lumens | 30 lumens | 5 lumens | 5 lumens |
| RUNTIME | 1 hour 10 minutes* | 4 hours | 12 hours 15 minutes | 58 hours | 30 hours | 60 hours |
| DISTANCE | 138 meters | 96 meters | 55 meters | 26 meters | 6 meters | 6 meters |
| INTENSITY | 4760 candela | 2299 candela | 760 candela | 169 candela | 9 candela | 9 candela |
| IMPACT RESISTANCE | 2 meters | | | | | |
| SUBMERSIBLE | IP68 | | | | | |

Note: According to Hie ANSI/PLATO FL 1 standard, the above specifications are from Hie ults produced by Fenix through its laboratory testing using one FenixARB-L 1&800P Li-ion

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In locked status, clicking or pressing the switch will activate 4 one-second red blinks to indicate locked status.

BATTERY SPECIFICATIONS

| Type | Dimensions | Nominal Voltage | Usability | |
|------------------------------------|------------|-----------------|-------------|----|
| Fenix ARB-L16 Series | 16340 | 3.6/3.7V | Recommended | √√ |
| Rechargeable Battery (Li-ion) | 16340 | 3.7V | Usable | √ |
| Non-rechargeable Battery (LiFePO4) | 16340 | 3.2V | Caution | ! |
| Non-rechargeable Battery (Lithium) | CR123A | 3V | Caution | ! |

Applications Warning: and *16340 must be Li-ion treated batteries with caution are and powerful handled cells with designed care. for Only use commercial quality batteries with circuit protection will reduce the potential for assumes. combustion or explosion; but *High cell mode damage can't or be short entered circuiting when are using potential Hie CR123A risks the battery. user

BATTERY REPLACEMENT

Unscrew the cap to insert the battery in accordance with the polarity marks, then screw the cap back on.

CHARGING

Uncover the cap and plug the USB Type-C side of the charging cable into the charging port of the lamp.

- The indicator will display red while charging and will turn green when fully charged.
- The normal charging time of the included Fenix ARB-L 16-B00P 16340 rechargeable Li-ion battery is about 1.5 hours.
- When charging, the headlamp can be normally used on Low, Red, Red flash, but charging time will be prolonged.
- When charging is complete, replace the anti-dust cap to ensure waterproof and dustproof ability.
- Recharge a stored headlamp every four months to maintain optimal Li-ion battery performance.

BATTERY LEVEL INDICATION

With the lamp switched off, single click the switch to check the battery status, the indicator will last for 3 seconds.

- Green light on: saturated 100% • 80%
- Green light flashes: sufficient 80% – 50%

- Red light on: poor 50% – 20%

Red Note: light This only flashes: works critical with Fenix 20% • ARB-L 0% 16-S00P battery.

INTELLIGENT OVERHEAT PROTECTION

The lamp will accumulate a lot of heat when used at Turbo mode for extended periods. When the lamp reaches a temperature of 50°C or above, the lamp will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C, it will then allow the user for the reselection of Turbo mode.

LOW-VOLTAGE WARNING

When the voltage level drops below the preset level, the headlamp is programmed to downshift to a lower brightness level until Low mode is reached. When this happens in Low mode, the battery level indicator blinks

HEADBAND ASSEMBLY

- The headband is factory assembled by default.
- If the headband is stained with sweat and mud, it can be washed directly.

OTHER PURPOSE

Detach the headlamp from the holder it can be used as a work flashlight.

USAGE AND MAINTENANCE

- Disassembling the sealed head can cause damage to the lamp and will void the warranty.
- Fenix recommends using an excellent quality Fenix battery.
- If the lamp will not be used for an extended period, remove the battery, or the lamp could be damaged by electrolyte leakage.
- Lock the lamp 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 lamp's performance as dirty contacts may cause the lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:

A: The battery needs replacing.

Solution: Replace the battery (Ensure the battery is inserted according to the manufacturer's specifications).

B: The contact point or contact of the battery or headlamp is dirty.

Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol. If the above methods don't work, please contact the distributor.

INCLUDED

Fenix HM50R V2.0 headlamp, ARB-L16-800P Li-ion battery, USB Type-C charging cable, Spare O-ring, User manual, Warranty card.

FENIXLIGHT LIMITED

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

Fax: +86-755-29631181

E-mail: Info@fenixlight.com

Web: www.fenixlight.com

Address: 2F/3F, West of Building A, Xinghong Technology Park, 111 Shuiku Road,

Fenghuanggang Community, Xixiang Street, Bao'an District, Shenzhen City,

Guangdong Province, China



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Documents / Resources



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HM50R_V2.0, HM50R V2.0 High Performance Dual Purpose Head Lamp, HM50R V2.0, High P
erformance Dual Purpose Head Lamp, Dual Purpose Head Lamp, Head Lamp, Lamp

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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