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FENIX HM65R-DT High Performance Magnesium Trail Running Headlamp Instruction Manual

Contents

FENIX HM65R-DT High Performance Magnesium Trail Running Headlamp

- 1500 LUMENS MAXIMUM OUTPUT
- 24 HOURS RUNTIME FOR TRAIL RUNNING
- DUAL SPOTLIGHTS OF WHITE AND WARM WHITE LEDS

WARNING

- Do place this headlamp out of the reach of children!
- Do NOT shine the headlamp 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 headlamp in inappropriate ways such as biting in the mouth, to avoid personal injury or life threats when the headlamp or internal battery fails!
- This headlamp will accumulate a lot of heat while working, resulting in a high temperature of the headlamp shell. Pay attention to safe use to avoid scalding.
- Turn off and lock the headlamp or remove the battery from the headlamp to prevent accidental activation when the headlamp is placed in a closed and flammable environment such as pockets and backpacks!
- The LED of this headlamp is not replaceable; so the whole headlamp should be replaced when the LED reaches the end of its life.

FENIX HM65R-DT HEADLAMP

- 1300 lumens white light and 400 lumens warm white light. The maximum output of the combined light sources can reach up to 1500 lumens.
- Uses Luminus SST40 white and SST20 warm white LEDs, with a lifespan of 50,000 hours.
- Included a 3400mAh battery.
- Constant current circuit ensures longer runtime.
- Reverse polarity protection, to protect from improper battery insertion.
- Dual top switches for easy and fast operation.
- USB Type-C charging port fast charging.
- Single-handed operation with the new SPORT Headband Fit System.
- Quality aluminum, magnesium and PC-made – lightweight and durable.
- Size: 3.15″ × 1.85″ × 1.54″ / 80 × 47 × 39 mm.
- Weight: 3.21 oz / 91 g (excluding battery).

OPERATING INSTRUCTION

- **Switches**
- **White light:** for on/off, mode switching, lockout function and output selection on white light mode.
- **Warm white light:** for on/off, mode switching, lockout function and output selection on warm white light mode.
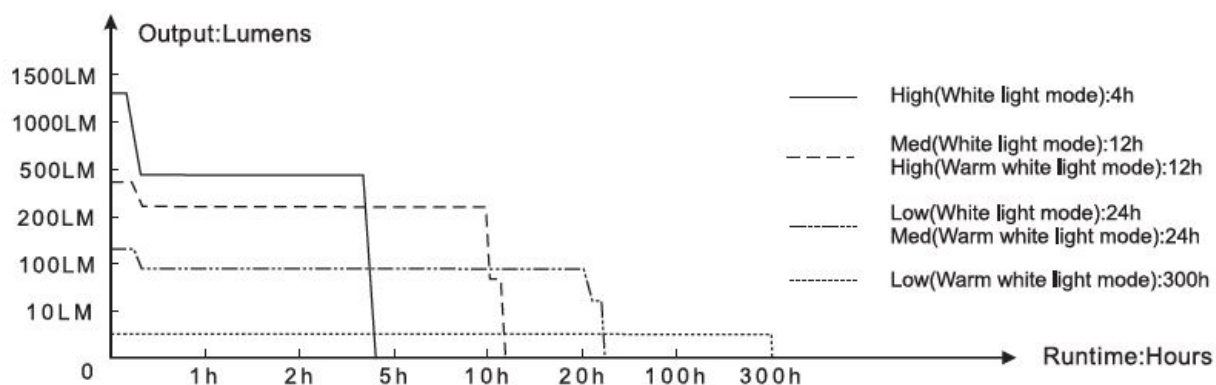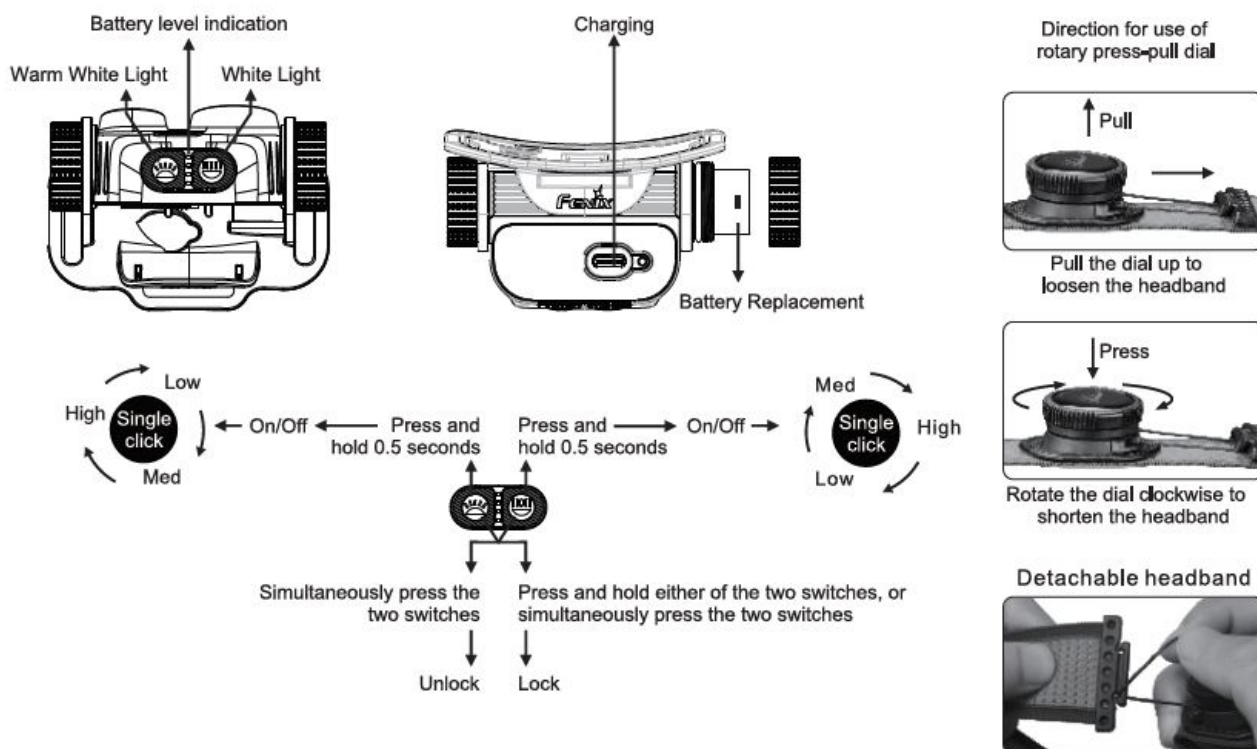- **On/off**
  Press and hold either of the two switches for 0.5 seconds to turn on/off the lamp. Low output level is set by default.

- **Mode switching**

  Press and hold either of the two switches for 0.5 seconds to reach the corresponding mode. The two modes are separately controlled.

- **Output selection**

- **White light mode:** single click the white light switch to cycle through Low ⟶ Med ⟶ High.

- **Warm white light mode:** single click the warm white light switch to cycle through Low ⟶ Med ⟶ High. Lockout Function

TECHNICAL PARAMETERS

ANSI/PLATO FL1	WHITE LIGHT MODE			WARM WHITE LIGHT MODE		
	HIGH	**MED**	**LOW**	**HIGH**	**MED**	**LOW**
☀ OUTPUT	1300 lumens	400 lumens	130 lumens	400 lumens	130 lumens	5 lumens
⏱ RUNTIME	4 hours*	12 hours	24 hours	12 hours	24 hours	300 hours
▬ DISTANCE	170 meters	96 meters	55 meters	92 meters	50 meters	9 meters
● INTENSITY	7167 candela	2321 candela	757 candela	2103 candela	621 candela	20 candela
✓ IMPACT RESISTANCE	2 meters					
SUBMERSIBLE	IP68					

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by

Fenix through its laboratory testing using a Fenix ARB-L18-3400 battery under the temperature of 21‡3°C and humidity of 50% – 80%. The true performance of this product may vary according to different working environments and the actual battery used.

- The High output is measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

Lock: With the lamp switched off, press and hold either of the two switches, or simultaneously press the two switches for 3 seconds, the lamp will blink 4 times on Low of warm white light mode to indicate locked status.
Unlock: With the lamp is locked, simultaneously press the two switches for 3 seconds, the lamp will be activated with 4 blinks and activates on Low of warm white light mode.
In locked status, clicking or pressing the switches will activate 4 blinks on Low of warm white light mode to indicate locked status.

BATTERY SPECIFICATIONS

Type	Dimensions	Nominal voltage	Usability	
Fenix ARB-L18 Series	18650*	3.6 V	Recommended	√√
Non-rechargeable Battery (Li-ion)	CR123A	3.0 V	Usable	√
Rechargeable Battery (Li-ion)	18650	3.6 V	Caution*	!
Rechargeable Battery (Li-ion)	16340	3.6 V	Banned	×

- 18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only use 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.
- Quality Li-ion battery with a protective circuit will reduce risks. A Fenix ARB-L18 Series battery is recommended.

BATTERY REPLACEMENT

- Unscrew the battery cover anticlockwise to insert the battery with the anode side (+) towards the inner side, then screw the battery cover back on.

CHARGING

- Uncover the anti-dust cap and plug the USB Type-C side of the charging cable into the charging port of the lamp.
- The normal charging time of the Fenix ARB-L 18-3400 battery is about 3 hours with the lamp being switched off. When charging, Low output of white light or warm white light mode can be separately selected. The headlamp will not automatically power on after full charging.
- When charging, the charging indicators will flash from rear to front to display the charging status. In the charging process, four indicators flash: below 20%, one constant-on and three flash: 20% – 50%, two constant-on and two flash: 50% – 80%, three constant-on and one flashes: 80% – 95%, four constant-on:

charging complete.

- Replace the anti-dust cap to ensure waterproof and dustproof ability.

BATTERY LEVEL INDICATION

- With the lamp is switched off, single click either of the two switches to check the battery status, the indicators) will last for 3 seconds.
- Four lights on: 100% – 80%
- Three lights on: 80% – 60%
- Two lights on: 60% – 40%
- One light on: 40% – 20%
- One light flashes: 20% – 1%

Note: This only works with Fenix ARB-L18 Series rechargeable battery.

INTELLIGENT OVERHEAT PROTECTION
The lamp will accumulate a lot of heat when used on high, med and low output levels for extended periods. When the lamp reaches a temperature of 65°C or above, the lamp will automatically step down a few lumens to reduce the temperature. When the temperature drops below 65°C, it will then allow the user for the reselection of the modes.

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 output is reached. When this happens in Low output mode, one of the battery level indicators blinks to remind you to timely recharge or replace the battery.
Note: This only works with Fenix ARB-L18 Series rechargeable battery.

HEADBAND ASSEMBLY

Notice: The headband is factory assembled by default.

- Press the rotary press-pull dial, rotate it clockwise to shorten the headband; pull the dial up to loosen the headband.

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 ARB-L18 series rechargeable 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:** Poor battery level.
- **Solution:** Recharge or replace the battery.

- **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 contact the distributor.

INCLUDED

- Fenix HM65R-DT headlamp, ARB-L18-3400 battery, USB Type-C charging cable, Spare O-ring, User manual, Warranty card

LIGHTING FOR EXTREMES

- Follow" us for more information about Fenix.

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Documents / Resources

FENIX HM65R-DT High Performance Magnesium Trail Running Headlamp [pdf] Instruction Manual
HM65R-DT, HM65R-DT High Performance Magnesium Trail Running Headlamp, High Performance Magnesium Trail Running Headlamp, Magnesium Trail Running Headlamp, Trail Running Headlamp, Headlamp