



**HM65R-T V2.0
Lightweight
Magnesium
Trail Running
Headlamp**



FENIX HM65R-T V2.0 Lightweight Magnesium Trail Running Headlamp Owner's Manual

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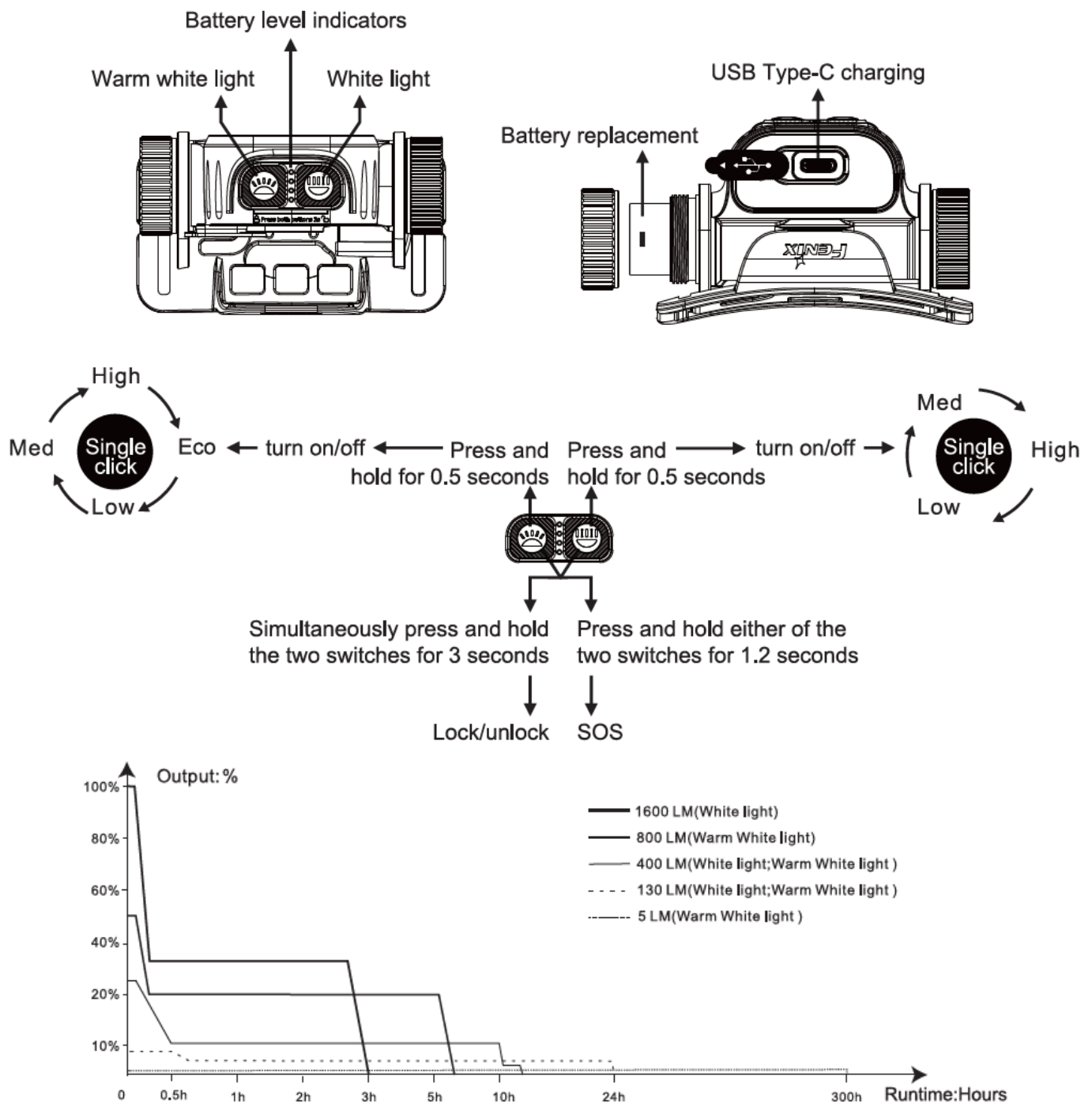
FENIX HM65R-T V2.0 Lightweight Magnesium Trail Running Headlamp



HM65R-T V2.0
LIGHTWEIGHT MAGNESIUM TRAIL RUNNING HEADLAMP.

	1600 LUMENS MAX OUTPUT
	24-HOUR RUNTIME MODE FOR TRAIL RUNNING
	WHITE AND WARM WHITE LIGHT SOURCES

Overview



SAFETY WARNING

- Do place this headlamp out of the reach of children!
- Do NOT shine the headlamp directly into the eyes of anyone!
- Do NOT place the headlamp near flammable objects, high temperatures can cause objects to overheat and become flammable/ignite!
- Do NOT use the headlamp in inappropriate ways such as holding the unit in your mouth, doing so could cause serious personal injury or death if the headlamp or internal battery fails!
- This headlamp will accumulate a significant amount of heat while operating, resulting in a high temperature of the headlamp shell. Pay close attention to avoid burns.
- Turn off and lock the lamp or take out the battery to prevent accidental activation during storage or transportation.
- The LEDs of this headlamp are not replaceable; so the whole headlamp will need to be replaced when any of

the LED reach the end of its lifespan.

FENIX HM65R-T V2.0 HEADLAMP

- 1600 lumens maximum output and 170 meters maximum beam distance.
- Fitted with one Luminus SST40 white light LED and one Luminus SST20 warm white light LED; with a life span of 50,000 hours.
- White and warm white light sources for various lighting demands.
- Quality aluminum, magnesium, and PC-made – lightweight and durable.
- Powered by a 3400mAh battery, with a maximum runtime of 300 hours.
- Dual top switches for easy and fast operation.
- Single-handed operation with the new two-way SPORT headband fit system.
- An emergency whistle is attached to the headband to enhance users' safety.
- Battery level indication and inner waterproof USB Type-C charging port.
- IP68-rated protection and 2 meters impact resistance.
- Reverse polarity protection, to protect from improper battery insertion.
- Electronic lockout and physical lockout avoid accidental activation.
- **Size:** 3.15" x 1.84" x 1.37"/80 x 46.8 x 34.9 mm.
- **Weight:** 4.94 oz/140 g (including battery and headband).

OPERATING INSTRUCTIONS

On/off

Press and hold either of the two switches for 0.5 seconds to turn on/off the lamp.







Mode switching

- With the lamp switched off, press and hold either of the two switches for 0.5 seconds to reach the corresponding mode.
- White light mode and warm light mode cannot be operated at the same time.
- Press and hold either of the two switches for 1.2 seconds to enter the SOS mode.
- In SOS mode, press and hold the white light switch for 1.2 seconds to shift to the
- Low output of white light mode.
- In SOS mode, press and hold the warm white light switch for 1.2 seconds to shift to the Eco output of warm white light mode.

Output selection

- White light mode: with the lamp switched on, single click the white light switch to cycle through Low-Med→High.
- Warm white light mode: with the lamp switched on, single click the warm white light switch to cycle through Eco→Low-Med→High.

TECHNICAL PARAMETERS

ANSI/PLATO FL1	WHITE LIGHT			WARM WHITE LIGHT				SOS
	HIGH	MED	LOW	HIGH	MED	LOW	ECO	
 OUTPUT	1600 lumens	400 lumens	130 lumens	800 lumens	400 lumens	130 lumens	5 lumens	5 lumens
 RUNTIME	3 hours*	12 hours	24 hours	6 hours*	12 hours	24 hours	300 hours	600 hours
 DISTANCE	170 meters	83 meters	49 meters	112 meters	82 meters	48 meters	10 meters	10 meters
 INTENSITY	7353 candela	1715 candela	604 candela	3155 candela	1690 candela	577 candela	26 candela	26 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 the included Fenix ARB-L 18-3400 battery under the temperature of $21 \leq 3^{\circ}\text{C}$ 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 runtime including output at reduced levels due to temperature or protection mechanism in the design.

- In white light mode, single click the warm white light switch to shift to the Eco output of warm white light mode.
- In warm white light mode, single click the white light switch to shift to the Low output of white light mode.

Lockout Function

Lock:

With the lamp switched off, simultaneously press and hold the two switches for 3 seconds, the lamp will blink 4 times on the Eco output of warm white light mode to indicate locked status.

Unlock:

- With the lamp locked, simultaneously press the two switches for 3 seconds, the lamp will be activated with 4 blinks and activates on the Eco output of warm white light mode.
- In locked status, clicking or pressing the switches will activate 4 blinks on the Eco output of warm white light mode to indicate locked status.
- When the charging cable is plugged in, the lamp unlocks automatically in switched-off status.

CHARGING

- Adjust the headlamp to reveal the charging port on the back. Uncover the anti-dust cap and plug the USB Type-C side of the charging cable into the charging port of the lamp.
- With the headlamp switched off, the normal charging time of the Fenix ARB-L18-3400 battery is about 3 hours from depleted to fully charged with a 5 V/2 A charging adapter. Only Low output of white light mode and Low output of warm white light mode can be operated while charging.
- Once charging is completed, be sure to close the anti-dust cover.
 - The headlamp can only be charged while using a Fenix ARB-L18 series battery.
 - If the headlamp has been fully depleted, it will take about 4 seconds for the battery indicators to function after charging begins.

BATTERY LEVEL INDICATION

With the lamp switched off, single click either switch to check the battery status. Single click once again the indicator(s) will go out immediately, or without any operation the indicator(s) will last for 3 seconds. Each time the light is turned on, the indicator(s) will show the battery level and 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 a Fenix ARB-L18 Series battery.

BATTERY SPECIFICATIONS

Type	Dimensions	Nominal voltage	Usability	
Fenix ARB-L18 Series	18650	3.6 V	Recommended	√√
Fenix ARB-L16 Series	16340	3.6 V	Usable	√
Non-rechargeable Battery (Li-ion)	CR123A	3.0 V	Usable	√
Rechargeable Battery (Li-ion)	18650	3.6 V	Caution*	!

18650 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only using 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.

INTELLIGENT OVERHEAT PROTECTION

- The lamp will accumulate a lot of heat when used at high output levels for extended periods. When the lamp reaches a temperature of 60°C/140°F or above, it will automatically step down a few lumens to reduce the temperature.
- When the temperature drops below 60°C/140°F, the lamp will gradually recall the preset output level.

LOW VOLTAGE WARNING

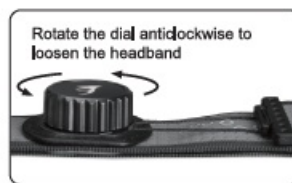
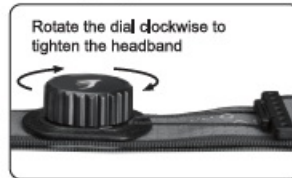
- When the voltage level drops below the preset level, the headlamp is programmed to downshift to a lower brightness level until Eco output is reached.
- When this happens in Eco output, one of the battery level indicators blinks to remind you to timely recharge or replace the battery till the battery runs out.

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

HEADBAND ASSEMBLY

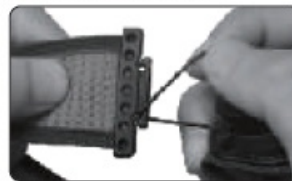
- **Notice:** The headband is factory-assembled by default.
- Rotate the dial clockwise to tighten the headband, and rotate the dial anticlockwise to loosen the headband. When the headband hits its maximum length, keep rotating the dial and the operation direction will reverse.

Two-way adjustable headband



When the headband hits its maximum length, keep rotating the dial and the operation direction will reverse.

Detachable 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 battery.
- If the lamp will not be used for an extended period, remove the battery, or the lamp could be damaged by electrolyte leakage.
- Turn off and 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 lamp is locked.**
Solution: Simultaneously press and hold the two switches for 3 seconds to unlock the lamp.
 - **B: Poor battery level.**
Solution: Recharge or replace the battery (Ensure the battery is inserted according to the manufacturer's specifications).
 - **C: 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-T V2.0 headlamp
- ARB-L18-3400 battery
- Spare O-ring
- USB Type-C charging cable
- User manual
- Warranty card

LIGHTING FOR EXTREMES




“Follow” us for more information about Fenix.

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Documents / Resources

	<p>FENIX HM65R-T V2.0 Lightweight Magnesium Trail Running Headlamp [pdf] Owner's Manual</p> <p>3400, HM65R-T V2.0 Lightweight Magnesium Trail Running Headlamp, HM65R-T V2.0, Lightweight Magnesium Trail Running Headlamp, Magnesium Trail Running Headlamp, Trail Running Headlamp, Running Headlamp, Headlamp</p>
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References

- [User Manual](#)

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