







Fenix HM61R V2.0 Headlamp

Technical Parameters

ANSI/PLATO FL1	White Light					Red Light		
	Turbo	High	Med	Low	Eco	Low	Med	Flash
 Output	1600 lumens	600 lumens	150 lumens	50 lumens	5 lumens	1 lumen	5 lumens	5 lumens
 Runtime	2 Hours*	3 hours	12 hours	35 hours	300 hours	400 hours	80 hours	160 hours
 Distance	162 meters	97 meters	47 meters	28 meters	9 meters	/	/	/
 Intensity	6566 candela	2358 candela	557 candela	190 candela	20 candela	/	/	/
 Impact Resistance	2 meters							

 Submersible	IP68
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Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L18-3400 battery under the temperature of $21\pm 3^{\circ}\text{C}$ and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.

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

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.

Product Features

- 1600 lumens maximum output and 162 meters maximum beam distance.
- Luminus SST40 white and 2835 red LEDs, with a lifespan of 50,000 hours.
- Included a 3400mAh battery and is compatible with 2 x CR123A cold-resistant batteries.
- Simple operation with a large side switch.
- The detachable lamp can be used as a flashlight or a chest light.
- Magnetic charging, battery level indication and charging indication.
- Digitally regulated circuit for maintaining a stable output.
- Intelligent memory circuit recalls the previously used brightness level.
- Made of durable A6061-T6 aluminum.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Size: 3.98" x 1.77" x 1.42" / 101 x 45 x 36 mm.
- Weight: 5.36 oz / 152 grams (including battery and headband).

Operating Instruction

On/off

On: With the lamp switched off, press and hold the side switch for 0.5 seconds to enter white light mode; double click the side switch to enter red light mode.

Off: With the lamp switched on, press and hold the side switch for 0.5 seconds to turn off the lamp.

Output Selection

In white light mode, single click the side switch to cycle through Eco→Low→Med→High→Turbo.

In red light mode, single click the side switch to cycle through Red Low→Red Med→Red Flash.

Mode Switching

With the lamp switched on, press and hold the side switch for 1.2 seconds to select white or red mode.

Lock/Unlock

Lock: when the lamp is switched off, press and hold the switch for 3 seconds, the lamp will blink red 4 times to indicate locked status.

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

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

Intelligent Memory Circuit

The headlamp memorizes the last selected output in white light mode. When turned on again the previously used output will be recalled. Each time the Red Light mode is entered with Red Low

* The lamp is reentered with White High mode if it is previously switched off on Turbo mode.

Battery Specifications

Type	Dimensions	Nominal	Usability	
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		Voltage		
Fenix ARB-L18 Series	18650	3.6V / 3.7V	Recommended	vV
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	v

Warning: Do not mix batteries of different brands, sizes, capacities or types. Doing so may cause damage to the headlamp or the batteries being used.

*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.

Battery Replacement

Unscrew the cap to insert the battery with the anode side (+) towards the inside, then screw the cap back on.

Charging

1. Connect the USB port of the charging cable to the power source, then hold the magnetic end of the charging cable close to the charging port of the headlamp. The charging cable will attach to the charging port automatically and charging will begin.
2. The indicator will display red while charging and will turn green when fully charged.
3. When charging, the Eco, Low, Med of white light mode, and all red light modes can be used, but charging time will be prolonged.
4. The normal charging time of the Fenix ARB-L18-3400 battery is 4 hours from depletion to full charging.

Note:

1. The headlamp has a charging protection function. It will automatically end charging and indicating when the detected temperature is higher than 65°C.
2. Recharge a stored headlamp every four months to maintain optimal 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% - 85%

Green light flashes: sufficient 85% - 50%

Red light on: poor 50% - 25%

Red light flashes: critical 25% - 1%

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

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, the lamp blinks 3 times every 10 minutes to remind you to timely recharge or replace the battery.

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

Intelligent Overheat Protection

The lamp will accumulate a lot of heat when used on High or Turbo modes 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 the reselection of High or Turbo modes.

Headband Assembly

- The headband is factory assembled by default.
- Adjust the headband by sliding the buckle to the required length.
- Assemble the top headband to better fix the headlamp. First fix the headband mount to the headband, then fix one side of the top headband to the headlamp holder, and the other end to the top headband mount.

Other Uses

- Flashlight: Detach the lamp from the holder, it can be used as a flashlight.
- Chest light/Work light: With the detachable body clip, it can be used as a chest/work light.

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 18650 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 HM61R V2.0 headlamp, Fenix ARB-L18-3400 battery, Magnetic charging cable, Spare O-ring, User manual, Warranty card