






HP30 user manual

Fenix™ HP30 Headlamp:

The Fenix HP30 Headlamp employs high-capacity, belt-mounted 18650 cells to generate 900 lumens in Burst mode, 500 lumens in High output. An extended 233m beam distance reaches farther while the detachable diffuser lens switches quickly from spot to flood. When needed, the battery box USB port stands ready to power critical navigation and communication devices.

Technical Parameters

ANSI/NEMA FL1	General Mode				Burst	SOS
	High	Mid	Low	Eco		
 OUTPUT	500 lumens	200 Lumens	65 Lumens	4 Lumens	900 lumens	200 Lumens
RUNTIME	3h50min	12h	32h40min	300h	/	/
 DISTANCE	233m Max					
 INTENSITY	13538cd Max					
 IMPACT RESISTANT	1m					
 WATER RESISTANT	IPX-6					
ACCESSORIES Top headband mount, spare O- ring, cable clip and detachable diffuser lens						

Notice: The above-mentioned parameters (lab tested by Fenix using two ARB-L2 Li-ion 18650 rechargeable batteries) are approximate and may vary between lights, batteries and environments.

- ⊙ Utilizes Cree XM-L2 LED with a lifespan of 50,000 hours
- ⊙ Uses two 18650 batteries or four CR123A batteries
- ⊙ Light size ⊆ 69.9mm (Length) × 55.9mm (Width) × 43.8mm (Height)
- ⊙ Battery box size ⊆ 116.6mm (Length) × 56.3mm (Width) × 29.6mm (Height)
- ⊙ 276.5-gram weight (excluding batteries)
- ⊙ Digitally regulated output maintains constant brightness
- ⊙ Lockout function – prevents the light from accidental activation
- ⊙ Detachable diffuser lens
- ⊙ Remote battery case with USB output
- ⊙ 60-degree tilt mechanism
- ⊙ Reverse polarity protection guards against improper battery installation
- ⊙ Made from durable aluminum alloy and performance plastic
- ⊙ Toughened ultra-clear glass lens with anti-reflective coating

Operation

ON/OFF

Press the power button once to turn the light on. Press and hold the power button for 0.5 seconds to turn the light off.

Brightness levels

When the light is on, press the power button to cycle through **four** different brightness levels in the order of High > Eco > Low > Mid.

SOS mode

Press and hold the power button for 3 seconds to activate the SOS mode. Press it again to turn the SOS mode off.

Burst mode

Press and hold the button with a thunderbolt icon to access Burst mode. The light will return to previous mode and output level when the button is released.

Intelligent Memory Circuit

HP30 memorizes the last brightness level used when turned off and back on, but will not remember the SOS mode.

Fuel Gauge

Press the button on the top of the battery box to check the battery's remaining capacity, turning the light off first to ensure a more accurate reading. When all four LEDs are lit solid blue, battery capacity is more than 80%. When only one LED is lit and is blinking, remaining power is under 20%.

LED indicator	Remaining power
4 solid blue	80%~100%
3 solid blue	60%~80%
2 Solid blue	40%~60%

1 Solid blue	20%~40%
1 blinking blue	Less than 20%

USB output

Unplug the anti-dust plug at the side of the battery box to reveal the USB port and connect USB devices with a compatible charging cable. Press and hold the button at the top of the battery box for 3 seconds to activate charging function. The LED indicators will light up successively to indicate the charging process has begun.

Note:

Once charging is completed, be sure to securely plug the anti-dust cove to keep the battery box properly sealed.

Headlamp runtimes are based on fully-charged 18650 cells that have not been used to charge other devices, a process that may significantly reduce remaining power.

Battery Specifications

Type	Dimensions	Nominal voltage	Usability	
FENIX ARB-L2	18650	3.7V	Recommended	✓
Non-rechargeable Battery (Lithium)	CR123A	3V	Usable	✓
Rechargeable Battery (Li-ion)	16340	3.7V	Banned	✗
Rechargeable Battery (Li-ion)	18650	3.7V	Cautious*	!
Rechargeable Battery □LiFePO4□	16340	3.2V	Usable	✓
Rechargeable Battery □LiFePO4□	18650	3.2V	Banned	✗

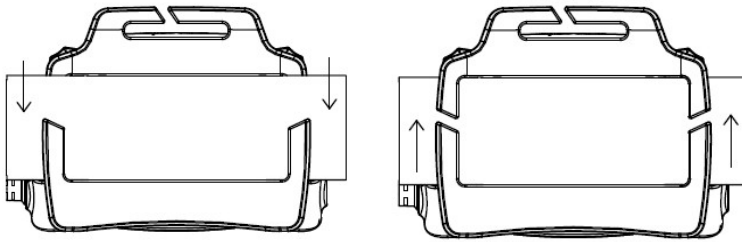
Warning: Please do not mix batteries of different brands, size, capacity or type. Doing so may cause damage to the flashlight or the batteries being used.

*18650 /16340 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Quality batteries with circuit protection will reduce the potential risk for combustion or explosion but cell damage or short circuiting are potential risks the user assumes.

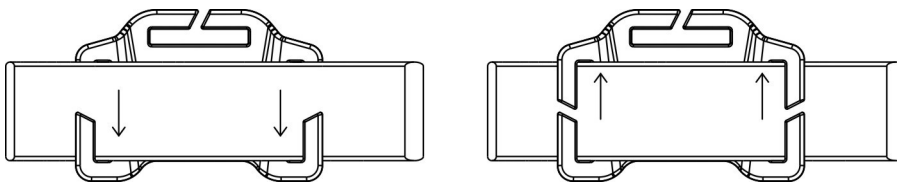
Battery Replacement

Unscrew the nut at the top of the battery box to take off the top cap of the battery box and insert the batteries follow the polar indicators. Replace the top cap and securely fasten the nut.

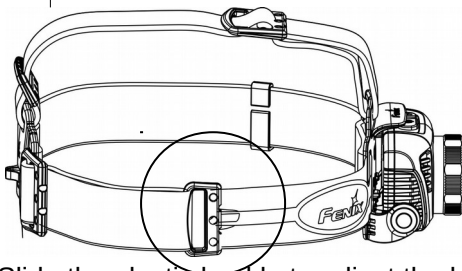
Assemble the headlamp



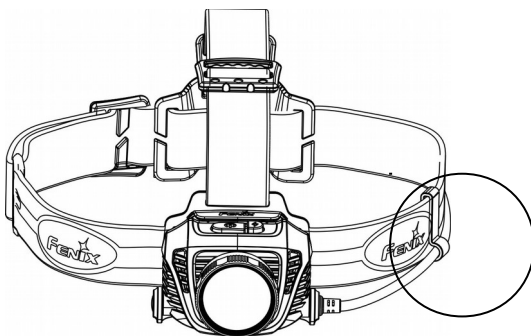
Attach the headband to the headlamp as shown by first sliding the band down to the bottom of the slot, then hooking the top edge under the top slot.



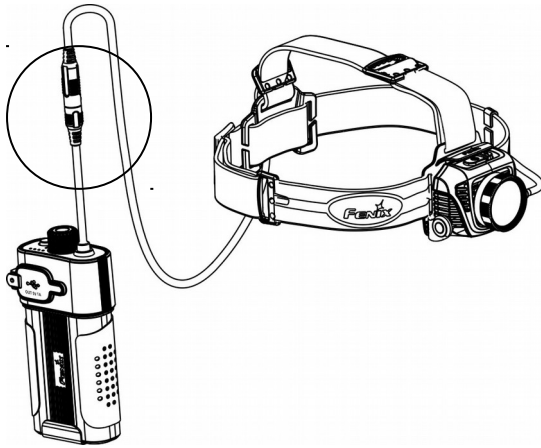
Attach the headband to the top headband mount as shown, repeating the steps indicated above for the headlamp.



Slide the plastic buckle to adjust the headband.



Use the clips supplied and the cable slot at the top headband mount to retain the battery cable.



Plug the cable from the headlamp into the connector of the battery box. **If additional stability is needed, attach the top headband to the headlamp holder and the top headband mount as shown.**

Usage and Maintenance

⊙Please don't disassemble the sealed head, as doing so can cause damage to the light and will void the warranty.

⊙The O-ring may be worn out after using for a long time. If it happens, please replace the O-ring with a new one to keep the light properly sealed against water.

⊙Please clean the contacts of your light from time to time, especially if the light flickers or doesn't light up. There may be several reasons for a flickering or inoperative light:

Reason A: The battery needs replacing.

Solution: Replace the battery with positive (+) and negative (-) terminals properly aligned.

Reason B: The threads, PCB board contact or other contacts are dirty.

Solution: Clean the contact points with an alcohol soaked cotton swab.

If the above methods don't work, please contact the distributor and refer to the warranty policy.

Product Warranty

We will replace products with manufacturing defects within 15 days of purchase and repair a light free of charge within 24 months of purchase if problems develop with normal use; if repair is required after 24 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Product Registration

We kindly suggest that you register your product on the official website of 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.

Warning

The Fenix HP30 Headlamp is a high-intensity lighting device capable of causing eye damage. Avoid shining the light directly into the eyes.

The light will accumulate heat after working in the burst mode for an extended period of time. In order to avoid injury, do not touch the metal part of the light head.