

NITECORE®



NITECORE Headlamp Maintenance Guide

Headlamp Precautions

1. This product is intended for use by adults aged 18 and over. Please keep this product out of reach of children.
2. This product may contain small assembly parts. To minimize the risk of choking or suffocation, please ensure it is kept out of reach of children and pets.
3. CAUTION! Possible dangerous radiation! DO NOT stare directly into the light beam or shine the light directly into the eyes or any reflective surfaces!
4. The product will generate massive heat during prolonged operation. Please exercise caution during use. It is recommended not to use high brightness levels for extended periods to prevent burns and product damage.
5. DO NOT cover or place objects near the head of the product, as this may cause damage to the product or accidents due to high temperatures.
6. DO NOT use the product to illuminate flammable or explosive materials, as the high heat may lead to combustion or explosion.
7. Please use the product in a standard manner to avoid accidents in the event of product failure.
8. DO NOT submerge the product into any liquid when it is hot. Doing so may cause irreparable damage to the light due to the difference of air pressure inside and outside.
9. When the product is placed in an enclosed or flammable environment such as a pocket or backpack, or when it is left unused for an extended period, please turn off the product and take the following measures to avoid accidental activation, dangers caused by excessive heat, or damage from battery leakage: activate the lockout mode, loosen the battery cap, or remove the battery.
10. DO NOT expose the product to temperatures above 60°C (140°F) for a prolonged time, as this poses a risk of battery explosion or combustion.
11. Please recharge the product or battery every 6 months when left unused for a prolonged time.
12. DO NOT disassemble or modify this product as doing so will cause damage to it and render the product warranty invalid. Please refer to the warranty section in the user manual for complete warranty information.
13. Please store the product properly (e.g., in a storage pouch or case) to prevent scratches on the lens or wear on the housing.
14. After use in humid, rainy, or snowy conditions, please remove the battery promptly and air-dry the headlamp in a cool, well-ventilated place. Avoid direct sunlight and UV exposure.
15. For long-term storage, please remove the battery and store it in a dry, cool, and well-ventilated place to prevent product damage caused by battery leakage.



Rechargeable Li-ion Battery Precautions

1. DO NOT swallow the battery. If swallowed, seek immediate medical attention.
2. Keep the battery out of reach of children.
3. Please charge the battery before use.
4. Ambient Temperature of Charging: 0~40°C (32~104°F)
5. Ambient Temperature of Usage and Storage: -20~50°C (-4~122°F)
6. Li-ion batteries naturally lose approximately 10% of their capacity per year, even when not in use.
7. Using the battery in high-temperature environments (above 50°C / 122°F) may cause permanent capacity loss.
8. When the battery is used in low-temperature environments (below 0°C / 32°F), the brightness may decrease temporarily and recover once the temperature rises.
9. Please recharge the battery every 6 months when left unused for a prolonged time.
10. DO NOT use charging cables made or sold by unprofessional manufacturers or ones that are damaged.
11. Improper use of the battery may result in severe headlamp/battery damage or safety hazards such as combustion or explosion.
12. DO NOT use damaged battery.
13. DO NOT use the battery if it has been submerged in water.
14. DO NOT disassemble, puncture, cut, crush, or incinerate the battery, or short-circuit the battery.
15. DO NOT use a battery if its discharge current does not match the headlamp.
16. DO NOT mix the batteries of different brands or types.
17. If any leakage, abnormal odor, or deformation is noticed, stop using the battery immediately and dispose of it properly.
18. DO NOT store or transport the battery with metal objects to avoid short circuit.



Cleaning and Maintenance

1. Housing Cleaning
 - After use in a muddy or seaside environment, rinse the housing with fresh water.
 - Wash the outside of the headlamp with neutral detergent (pH 6~8, such as mild dish soap or lens cleaner).
 - Wipe the housing with a clean, soft cloth.
 - DO NOT use abrasives, strong acids/alkalis, or chemical solvents, as they may damage the housing and coating.
2. Battery Compartment Cleaning
 - DO NOT close the battery compartment with moisture inside. Wipe or air-dry it before closing to prevent corrosion or short circuit.
 - Remove the battery and store it separately in a cool, dry, and well-ventilated place when it is left unused for an extended period.
3. Lens Cleaning
 - Wipe the lens with a clean, soft cloth to prevent scratches.
 - In case of contact with grease or stains, wipe the lens with a damp cloth, and then dry with a soft cloth.
 - DO NOT wipe the lens with paper towels or rough cloths, as they may scratch the surface.
4. Headband Cleaning
 - The headband is detachable for cleaning. Hand washing is recommended.
 - The bracket foam pad is replaceable. It is recommended to replace it periodically based on usage to maintain comfort and hygiene.



Warranty Service

DO NOT disassemble or modify the product.

For service or replacement, please contact NITECORE®.
NITECORE® Official Service Email: **service@nitecore.com**



Product Disposal

The headlamp should be disposed of under any of the following circumstances:

1. It has been in use for over 10 years.
2. It has experienced severe impacts or drops.
3. It malfunctions or is damaged and cannot be repaired.
4. Its origin is uncertain (e.g., purchased from unauthorized sources or second-hand).

Recycling

Please recycle electronic products and batteries in accordance with local laws and regulations to prevent environmental pollution.



FAQs

- Q: Why does the brightness decrease under low-temperature environments?

A: Low temperatures slow down the chemical reactions in Li-ion batteries, reducing output current. This effect is temporary, and the battery capacity recovers once the temperature increases.
- Q: Can the headlamp be left in a car for an extended period?

A: Not recommended. Exposure to direct sunlight inside a vehicle may cause battery combustion or explosion due to overheating.
- Q: Why does the brightness step down?

A: When in use, the headlamp automatically regulates the output to prevent overheating and prolong battery life.

FAQs

