

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

- › [Nitecore](#) /
- › [Nitecore HC70 UHE Headlamp Instruction Manual](#)

Nitecore HC70 UHE

Nitecore HC70 UHE Headlamp

INSTRUCTION MANUAL

1. Product Overview

The Nitecore HC70 UHE is a high-performance, USB-C rechargeable headlamp designed for demanding outdoor and professional applications. It features a powerful 1600-lumen output, dual light sources (white and red), and is bundled with the Carbon 6K Battery Runtime Extender Kit for significantly extended operation.

This headlamp is built with durable aero-grade aluminum alloy, offering IP68 waterproof rating and 2-meter impact resistance, making it suitable for various challenging environments including night maintenance, search and rescue, outdoor work, and trekking.



Figure 1.1: Nitecore HC70 UHE Headlamp and Carbon 6K Battery Runtime Extender Kit.

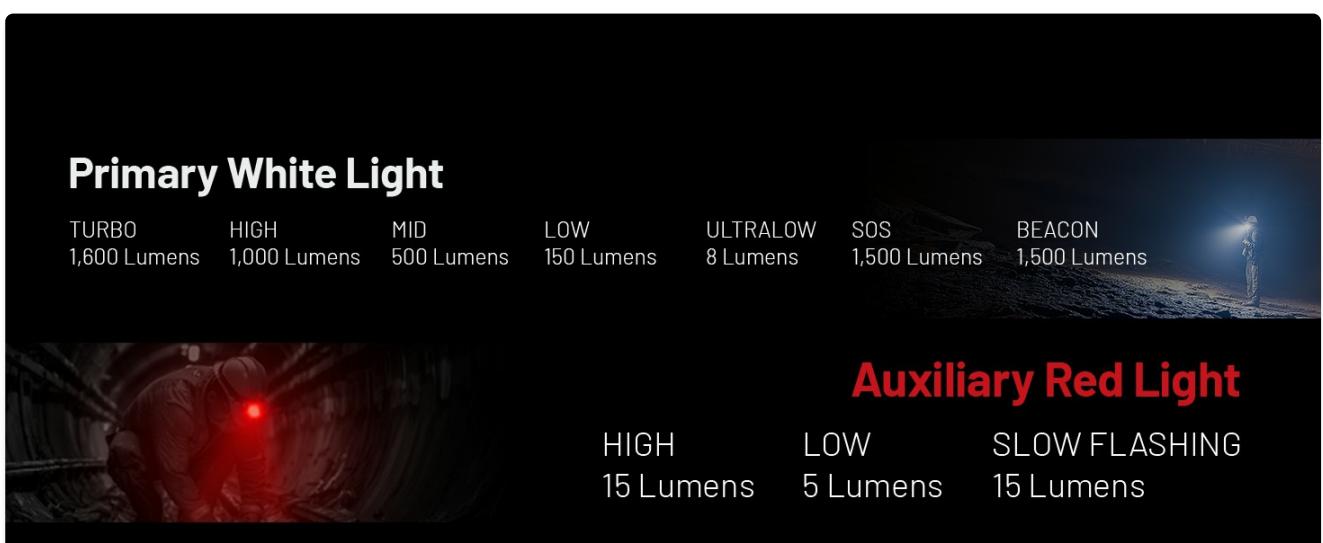


Figure 1.2: Common applications for the HC70 UHE Headlamp.

2. Package Contents

Verify that all items are present in the package:

- Nitecore HC70 UHE Headlamp
- Nitecore Carbon Battery 6K
- 2 x Headbands
- 2 x USB-C to USB-C Charging Cables
- Bracket
- Clips
- Storage Case

3. Setup

3.1 Attaching the Headlamp and Battery Pack

1. Attach the HC70 UHE headlamp unit to the front headband using the integrated bracket.
2. Secure the Carbon Battery 6K to the rear headband using its dedicated mount.
3. Connect the headlamp to the Carbon Battery 6K using one of the provided USB-C to USB-C charging cables.
Ensure a secure connection.

3.2 Initial Charging

Before first use, fully charge the headlamp and the Carbon Battery 6K.

- Connect the USB-C charging cable to the headlamp's USB-C port and to a 5V/2A USB power adapter.
- The intelligent charging circuit allows for use while charging and automatically stops charging once the battery is full. Full charge typically takes 3 hours and 20 minutes.



Figure 3.1: USB-C Intelligent Charging for the HC70 UHE Headlamp.

4. Operating Instructions

4.1 Controls

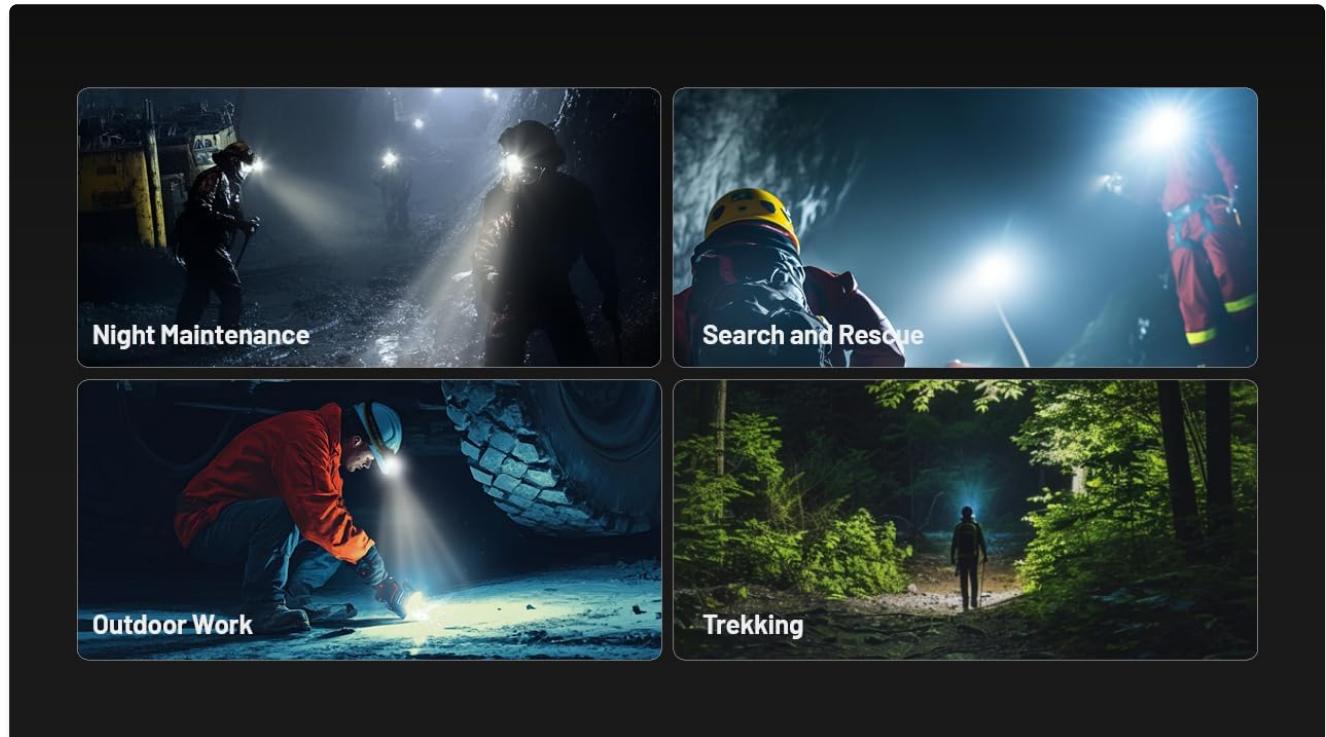


Figure 4.1: Location of Power Button and Mode Button.

- **Power Button:** Used for turning the headlamp On/Off and adjusting brightness levels.
- **MODE Button:** Used for switching between light sources (white/red) and accessing special modes.

4.2 Power On/Off

- To turn On: Press and hold the Power Button for 1 second.
- To turn Off: Press and hold the Power Button for 1 second while the light is on.

4.3 Brightness Levels and Modes

The HC70 UHE features both primary white light and auxiliary red light modes.

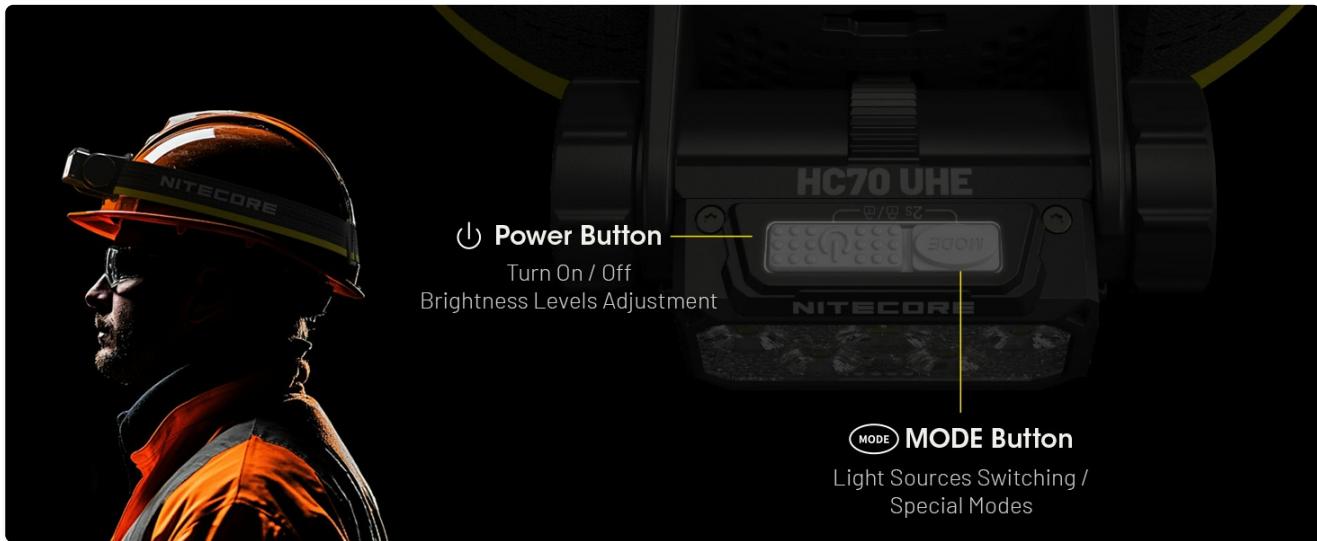


Figure 4.2: Primary White Light and Auxiliary Red Light Modes.

- **Primary White Light:** With the light on, short press the Power Button to cycle through brightness levels: ULTRALOW (8 Lumens) → LOW (150 Lumens) → MID (500 Lumens) → HIGH (1000 Lumens) → TURBO (1600 Lumens).
- **Auxiliary Red Light:** With the light on, short press the MODE Button to switch to red light. Short press again to cycle through red light modes: LOW (5 Lumens) → HIGH (15 Lumens) → SLOW FLASHING (15 Lumens).
- **Special Modes (SOS/BEACON):** With the white light on, long press the MODE Button to activate SOS mode. Long press again to activate BEACON mode. Short press the Power Button to exit special modes.

4.4 Red Safety Rear Light

The Carbon Battery 6K features a red safety rear light for added visibility.

- To turn On: Long press the Power Button on the Carbon Battery 6K for 1 second.
- To turn Off: Long press the Power Button on the Carbon Battery 6K for 1 second.

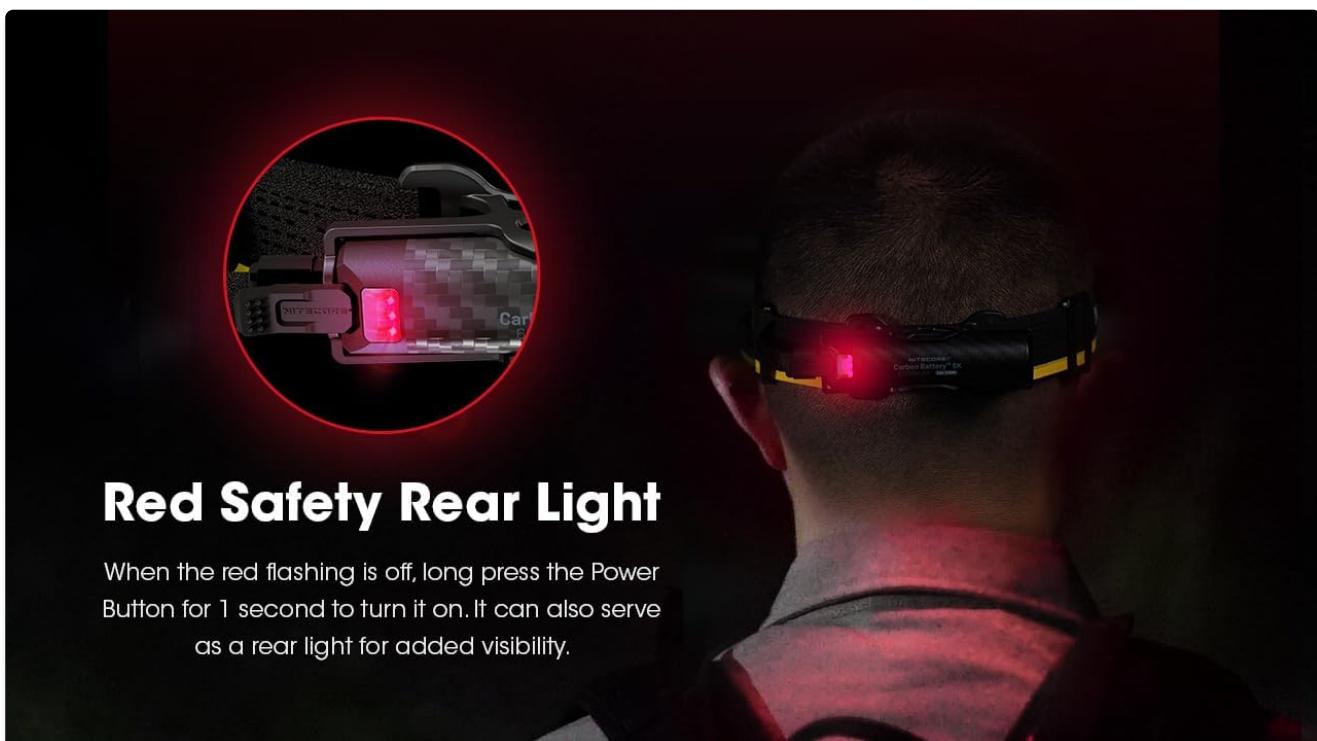


Figure 4.3: Red Safety Rear Light for enhanced visibility.

4.5 Power Indication

The headlamp provides an intuitive power indication system to show remaining battery life.

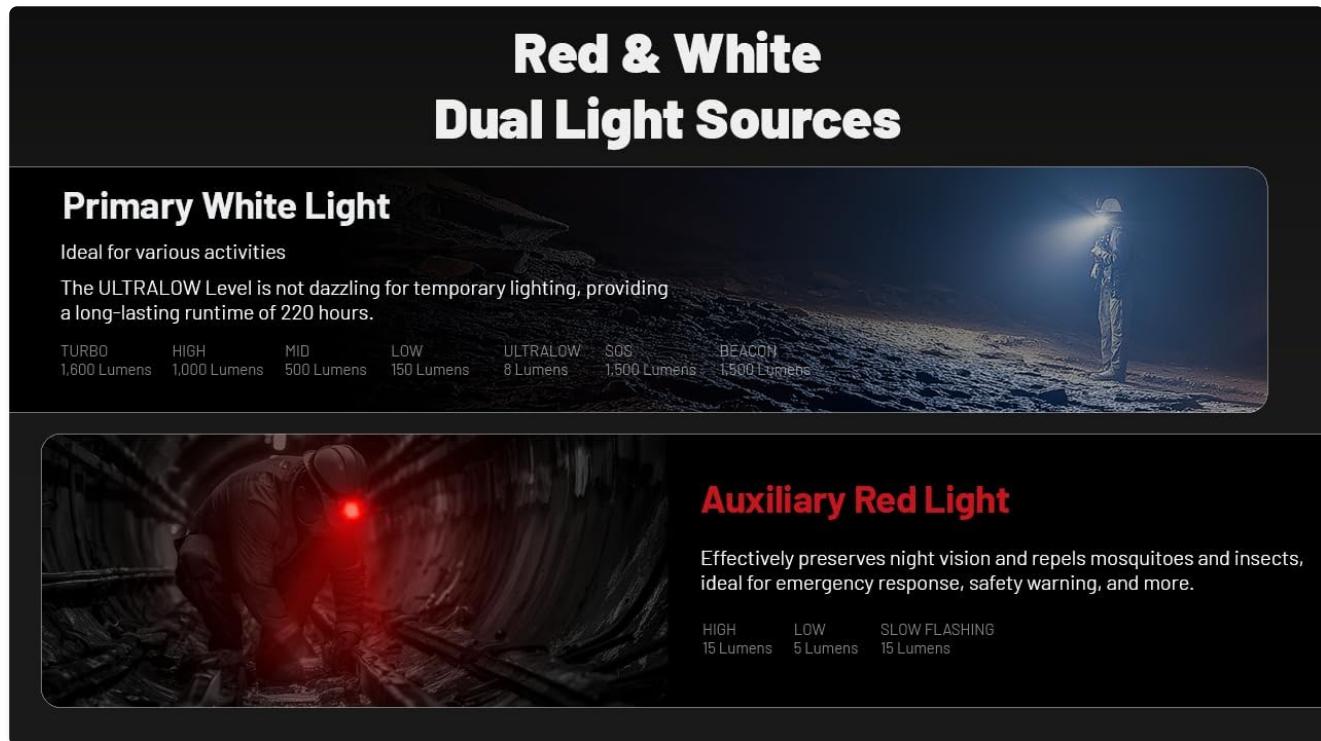


Figure 4.4: Intuitive Power Indication.

- 4 Constant-on Blue Bars: 75% - 100% battery
- 3 Constant-on Blue Bars: 50% - 75% battery
- 2 Constant-on Blue Bars: 25% - 50% battery
- 1 Constant-on Blue Bar: 0% - 25% battery

4.6 Runtime Extension with Carbon Battery 6K

When connected to the Carbon Battery 6K, the headlamp's runtime is significantly extended. The Carbon Battery 6K prioritizes its power supply to the headlamp, preserving the headlamp's internal battery.



Figure 4.5: Double Up on Runtime with Carbon Battery 6K.

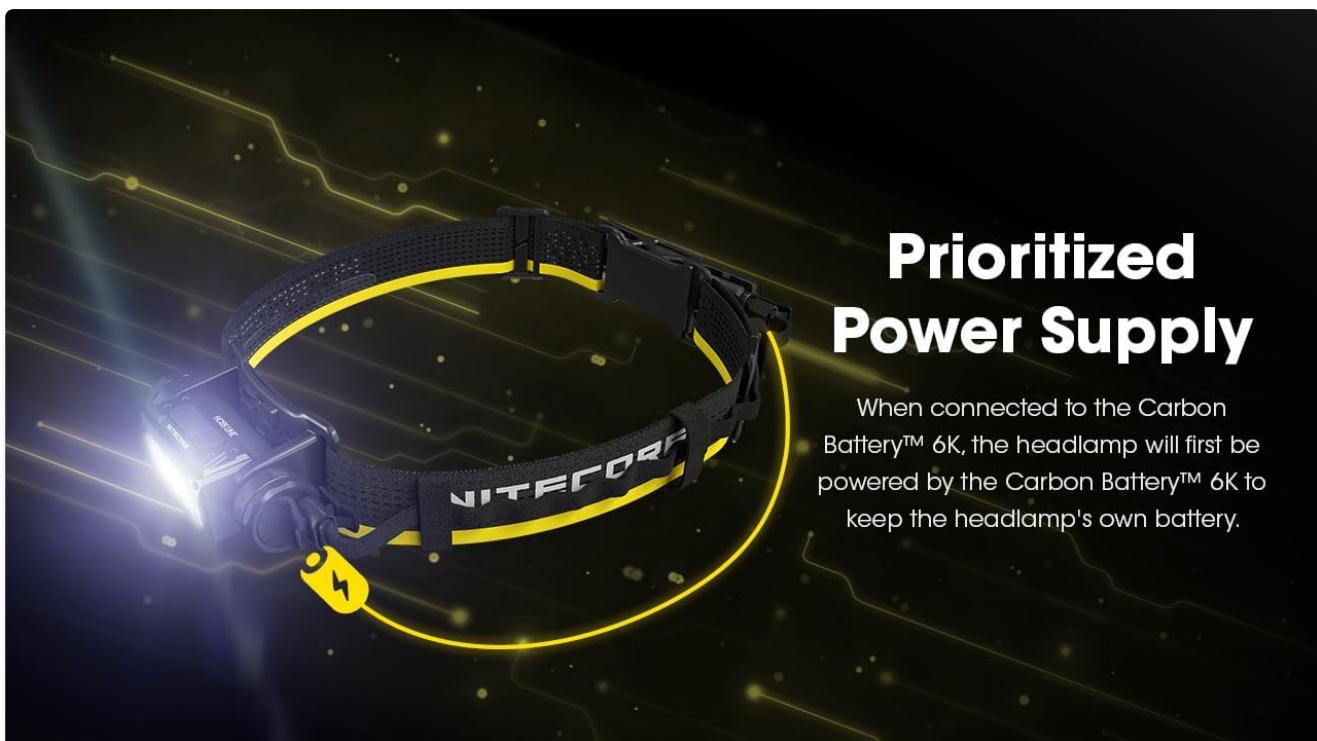


Figure 4.6: Prioritized Power Supply from Carbon Battery 6K.

5. Maintenance

5.1 Cleaning

- Wipe the headlamp and battery pack with a clean, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the USB-C port protective cover is properly sealed to prevent dust and water ingress.

5.2 Storage

- Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50% every three months to maintain battery health.

6. Troubleshooting

- **Light not turning on:** Ensure the battery is charged. Check that the headlamp and Carbon Battery 6K are securely connected.
- **Low brightness or short runtime:** Recharge the battery. Ensure the USB-C cable is fully inserted during charging. Battery performance may decrease in extremely cold conditions.
- **Red Safety Rear Light not working:** Ensure the Carbon Battery 6K is charged and the power button on the battery pack is pressed for 1 second.
- If issues persist, refer to the warranty information or contact Nitecore customer support.

7. Specifications

Detailed technical specifications for the Nitecore HC70 UHE Headlamp:



Technical Data

| HC70 UHE | Primary White Light | | | | | | | Auxiliary Red Light | | |
|-------------------|---------------------------------------|--------------|------------|------------|----------|--------------|--------------|---------------------|----------|---------------|
| | TURBO | HIGH | MID | LOW | ULTRALOW | SOS | BEACON | HIGH | LOW | SLOW FLASHING |
| Brightness | 1,600 Lumens | 1,000 Lumens | 500 Lumens | 150 Lumens | 8 Lumens | 1,500 Lumens | 1,500 Lumens | 15 Lumens | 5 Lumens | 15 Lumens |
| Runtime | 5h | 8h | 18h | 38h | 220h | - | - | 50h | 138h | - |
| Beam Distance | 156m | 126m | 87m | 47m | 13m | - | - | 9m | 5m | - |
| Impact Resistance | 1.5m (Impact Resistance) | | | | | | | | | |
| IP Rating | IP68, 2m (Waterproof and Submersible) | | | | | | | | | |

Note: The stated data is measured using 1 x battery (6,000mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions.

Figure 7.1: Technical Data for HC70 UHE Headlamp.

| Feature | Specification |
|---------|---------------|
| Model | HC70 UHE |

| Feature | Specification |
|-------------------|--|
| Max Brightness | 1600 Lumens |
| Max Beam Distance | 156 meters (170 yards) |
| Power Source | Battery Powered (Lithium Ion) |
| Charging Port | USB-C (5V) |
| Material | Aero-grade Aluminum Alloy |
| Water Resistance | IP68 (Waterproof and Submersible) |
| Impact Resistance | 2 meters |
| Special Features | Rechargeable, Dual Light Sources (White/Red), Runtime Extender Kit |

8. Warranty and Support

8.1 Warranty Information

This Nitecore product comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty service, please contact Nitecore customer support through their official website or authorized distributors. You can find more information and contact details by visiting the [Nitecore Store on Amazon](#) or their global website.

© 2024 Nitecore. All rights reserved.

Related Documents - HC70 UHE

| | |
|---|--|
|  | <p>NITECORE NU27 Headlamp User Manual</p> <p>User manual for the NITECORE NU27 headlamp, detailing its features, specifications, operation, safety warnings, and warranty information. Learn how to use the primary and auxiliary lights, special modes, and charging functions.</p> |
|  | <p>NITECORE NU33 USB-C Rechargeable Headlamp - Features, Specs, and Operation Guide</p> <p>Comprehensive guide to the NITECORE NU33 headlamp, detailing its triple light sources, 700-lumen output, USB-C charging capabilities, technical specifications, operating instructions, and warranty information.</p> |

| | |
|---|---|
|  | <p>NITECORE MH12 Pro USB-C Rechargeable Compact Flashlight User Manual</p> <p>Discover the NITECORE MH12 Pro, a powerful 2000-lumen USB-C rechargeable compact flashlight with 330m throw and 650-hour runtime. This user manual provides detailed instructions for operation, charging, battery installation, and advanced temperature regulation.</p> |
|  | <p>NITECORE NU53 Rechargeable Headlamp - User Manual & Features</p> <p>Comprehensive user manual for the NITECORE NU53 headlamp, detailing features, specifications, operation, safety warnings, charging, and warranty information. Features 1800 lumens, multiple light sources, and sensor protection.</p> |
|  | <p>Nitecore NU25 / NU25 UL Dual Beam USB-C Rechargeable Headlamp User Manual</p> <p>User manual for the Nitecore NU25 and NU25 UL dual beam USB-C rechargeable headlamps. Details features, specifications, charging, operation modes (spotlight, floodlight, red light, SOS, beacon), power indication, warnings, and warranty.</p> |
|  | <p>NITECORE NU32 High Performance Rechargeable Headlamp User Manual</p> <p>Comprehensive user manual for the NITECORE NU32 headlamp, detailing its features, technical specifications, operating instructions, charging, and warranty information. Features 550 lumens, white and red LEDs, USB rechargeable battery, and multiple brightness modes.</p> |

Documents - Nitecore – HC70 UHE

| | |
|---|--|
|  | <p>[pdf] User Manual Instructions Guide</p> <p>Nitecore HC70 UHE head torch black Manual 42cfdbd9d27eb571f2bf72d524a51f243a2c.gzhls at blob ldb 7 8 9 </p> <p>HC70 UHE User Manual Quick Guide SOS IMPORTANT Thanks for purchasing NITECORE Please read this manual carefully before using the product and follow the instructions. This manual contains important safety information and operating instructions. Please keep it for future reference. In case of upda...</p> <p>lang:en score:51 filesize: 1.73 M page_count: 2 document date: 2024-09-09</p> |
|  | <p>[pdf] User Manual Instructions Guide</p> <p>BedienungsanleitungNitecore HC70 UHE LED Stirnlampe 1600 Lumennc hc70uhe bedienungsanleitung hc70uhekoschmieder24 de media image storage opc Bedienungsanleitungen nc </p> <p>HC70 UHE User Manual Quick Guide SOS IMPORTANT Thanks for purchasing NITECORE Please read this manual carefully before using the product and follow the instructions. This manual contains important safety information and operating instructions. Please keep it for future reference. In case of upda...</p> <p>lang:en score:35 filesize: 1.73 M page_count: 2 document date: 2024-09-09</p> |
|  | <p>[pdf] User Manual</p> <p>Download the manual HC70 UHE hc70uhe flashlight nitecore Uploads FLASHLIGHTS </p> <p>...</p> <p>lang:en score:31 filesize: 1.7 M page_count: 0 document date: 0000-00-00</p> |



[\[pdf\]](#)

Trail RunningDownloadsNitecore Running 2025nitecore de media ba 8d 67 1749650840 Nitecore 2025 ||| Markeneinfhrung von Trailrunning-Produkten Inspiriert von der Idee, mit der branchenfhrenden Innov ... cherheitsrcklicht Beide sind kompatibel mit der NU40, 43, 50 bis 53, HC60 dasselbe, HC65 dasselbe, **HC70 UHE**, HC75 UHE und mehr. TrendHunter: Der Nitecore NB10000 Carbon Fiber Energy Brick ist eine ... lang:de **score:27** filesize: 1.32 M page_count: 16 document date: 2025-02-18



[\[pdf\]](#)

2025 Produkt KatalogDownloadsNitecore Gesamtkatalog 1 2025nitecore de media 6a 58 3e 1749650683 Nitecore ||| www.nitecore.com SYSMAX Innovations Co., Ltd. 24/F, TCL Plaza, No. 18 Haizhou Road, Haizhu District, ... osionsgeschtzte Modelle notwendig. Empfohlenes Modell: UT27, NU35, NU50, HC60 UHE, HC65 UHE, NWL20, **HC70 UHE** Angeln Freihandbetrieb ist entscheidend. Blaulicht ermgligt bessere Sicht auf Fische, whre... lang:de **score:24** filesize: 109.62 M page_count: 64 document date: 2025-04-10

[\[pdf\]](#) User Manual

HC70 UHE User Manual NITECOREDownload the manualMax output of 1 600 lumens Utilizes ultra high efficiency LED Equipped with primary white lights Color Temperature 6 000Khc70uhehc70uhehc70uhehc70uhelight nitecore Uploads FLASHLIGHTS hc70uhelight hc70uhe 000KNitecore 1600 Lumen Rechargeable Headlamp Extra Long Runtime Nitecore Storeflashlight UHENitecore StoreNITECORE UserManualflashlight hc70uhefiles shorepowerinc frontend files usermanual NITECORE manualSpec SheetSpec SheetMax UHENITECORE HISSNITECORE HISSNitecore UserManualhiss is 2024 12 hc70uheliss Battery JunctionNITECORE UserManualv1v1flashlight UserManualfiles batteryjunction manualDownload hc70uhecarrygear hc70uhephoto ||| ...

lang:de **score:16** filesize: 1.7 M page_count: 0 document date: 2024-10-14

[\[pdf\]](#) Flyer Borchure

2025 Sport2000 Brochure DE Final Outdoor FlyerDownloadsNitecore Flyer 05 2025nitecore de media a4 e9 c3 1749650787 Nitecore |||

Leistungsstarke Outdoor-Taschenlampen ULTIMATIVE TAKTISCHE EDC-TASCHENLAMPE 8000 LUMEN 420 METER ... mAh 88g 3.10 oz USB-C Eingang Ausgang HC65 UHE 2000 LUMEN 222 METER USB-C Ladeanschluss **HC70 UHE** 1600 LUMEN 156 METER USB-C Ladeanschluss HC75 UHE 3000 LUMEN 192 METER USB-C Ladeans...

lang:de **score:16** filesize: 10.33 M page_count: 2 document date: 2025-05-20

