NICRON H10R

NICRON H10R Detachable Headlamp

Instruction Manual

1. INTRODUCTION

Thank you for choosing the NICRON H10R Detachable Headlamp. This versatile and robust headlamp is designed for various applications, offering reliable illumination with its CREE LED, durable ultra-hard aluminum construction, and practical features like a strong magnetic base and 160° head rotation. This manual provides essential information for the safe and effective use of your H10R headlamp.

NICRON is a globally recognized manufacturer, with products sold in 12 countries, including Japan. Our products are trusted by users in diverse fields such as factories, mechanics, disaster prevention, and outdoor activities. All NICRON products, including the H10R, comply with the ANSI FL1 STANDARD, a unified evaluation standard for flashlights that covers aspects like lumens and run time, ensuring reliable performance.

Image 1.1: The NICRON H10R headlamp provides reliable illumination for outdoor activities.

2. SAFETY INFORMATION

- **Eye Safety:** Do not look directly into the LED light or shine it directly into the eyes of others. The intense light can cause temporary vision impairment or permanent eye damage.

- **Battery Safety:** Use only the specified battery type. Do not mix old and new batteries, or different types of batteries. Ensure correct polarity when inserting batteries. Remove batteries if the device will not be used for an extended period.

- **Charging:** Only use the provided charging cable and a compatible power source. Do not attempt to charge non-rechargeable batteries.

- **Heat:** The headlamp may become warm during prolonged use, especially on high settings. Handle with care.

- **Children:** Keep out of reach of children. This product is not a toy.

- **Disassembly:** Do not attempt to disassemble, modify, or repair the headlamp. This will void the warranty and may cause damage or injury.

- **Water Resistance:** The H10R has an IP65 waterproof rating, meaning it is protected against dust and low-pressure water jets. It is not designed for submersion.

3. PACKAGE CONTENTS

Please check the package for the following items:

- NICRON H10R Headlamp Unit

- Headband

- Rechargeable Lithium-Ion Battery (pre-installed or separate)

- USB Charging Cable

- User Manual (this document)

Image 3.1: Typical package contents for the NICRON H10R.

4. PRODUCT OVERVIEW

The NICRON H10R is a compact and powerful headlamp designed for hands-free illumination. Its unique L-shaped design allows it to be used as a headlamp, a handheld flashlight, or attached to metallic surfaces via its strong magnetic base.

- **Light Head:** Contains the CREE LED and optical lens. Can rotate up to 160 degrees.

- **Power Button:** Controls power and brightness modes.

- **Battery Compartment:** Houses the rechargeable lithium-ion battery.

- **Charging Port:** USB port for recharging the battery.

- **Pocket Clip:** For attaching the light to clothing or gear.

- **Magnetic Base:** Strong magnet at the tail cap for hands-free attachment to metal surfaces.

Image 4.1: The NICRON H10R showcasing its L-shaped design, clip, and magnetic base.

Image 4.2: The H10R's head can rotate up to 160 degrees for flexible lighting.

5. SETUP

5.1. Battery Installation

1. Unscrew the tail cap of the headlamp.
2. Insert the provided rechargeable lithium-ion battery with the positive (+) end facing towards the head of the lamp.
3. Screw the tail cap back on tightly to ensure proper contact and maintain the waterproof seal.

5.2. Attaching to Headband

1. Slide the headlamp unit into the rubber mount on the headband. Ensure it is securely seated.
2. Adjust the headband straps for a comfortable and secure fit on your head.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

- **To Turn On:** Press the power button once. The light will turn on in the last used brightness mode.
- **To Turn Off:** Press and hold the power button for approximately 1 second.

6.2. Changing Brightness Modes

- While the light is on, press the power button repeatedly to cycle through the brightness modes: High (130 LM) → Low (30 LM) → Strobe → SOS.
- Release the button on your desired mode.

6.3. Head Rotation

The head of the H10R can be rotated up to 160 degrees. Gently adjust the light head to direct the beam precisely where needed.

6.4. Magnetic Base Function

Utilize the strong magnet on the tail cap to attach the headlamp to any ferrous metal surface for hands-free operation, such as under a car hood or on a metal workbench.

7. CHARGING

The NICRON H10R uses a rechargeable lithium-ion battery. Follow these steps to charge:

1. Locate the USB charging port on the headlamp. It may be covered by a rubber flap for water resistance.
2. Open the rubber flap and connect the small end of the provided USB charging cable to the headlamp's charging port.
3. Connect the larger end of the USB cable to a USB power source (e.g., computer, wall adapter, power bank).
4. An indicator light on the headlamp will show the charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the cable and securely close the rubber flap over the charging port to maintain water resistance.

Note: Initial charging may take longer. Ensure the battery is fully charged before first use for optimal performance.

8. MAINTENANCE

8.1. Cleaning

- Wipe the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the lens gently with a lens cloth to maintain optimal light output.

8.2. Storage

- Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the battery to prevent leakage and damage.

8.3. Battery Care

- Recharge the battery regularly, even if not in use, to prolong its lifespan.
- Do not overcharge or completely discharge the battery.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	Battery depleted Battery incorrectly inserted Loose tail cap	Charge the battery Check battery polarity Tighten the tail cap
Light is dim or flickers	Low battery Poor battery contact	Charge the battery Clean battery contacts and reinsert battery
Charging indicator not working	Charging cable not connected properly Faulty USB power source	Ensure cable is fully inserted Try a different USB port or adapter
Headlamp gets hot	Normal operation on high modes Poor ventilation	Reduce brightness mode Ensure adequate airflow around the unit

10. SPECIFICATIONS

Feature	Detail
Brand	NICRON
Model Number	H10R
Light Source	CREE LED
Brightness (Rechargeable Battery)	130 Lumens (High), 30 Lumens (Low)
Brightness (Dry Cell Battery)	60 Lumens (High), 15 Lumens (Low)
Run Time (Rechargeable Battery)	3 hours (130LM), 13 hours (30LM)
Run Time (Dry Cell Battery)	8 hours (60LM), 25 hours (15LM)
Maximum Beam Distance	75 meters
Luminous Intensity	1400 candela
Waterproof Rating	IP65
Drop Resistance Height	1 meter
Head Rotation Angle	160°
Power Source	Battery-powered, Rechargeable
Battery Type	Lithium Ion (Included)
Material	Ultra-hard Aluminum
Weight	36 g
Dimensions (Package)	12 x 10.6 x 5.6 cm
Features	Flashing function, Waterproof function, Strong Magnetic Base

Image 10.1: The H10R features an IP65 waterproof rating for durability.

11. WARRANTY AND SUPPORT

NICRON products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official NICRON

website.

If you encounter any issues or have questions regarding your NICRON H10R headlamp, please contact our customer support team. You can find contact information on the NICRON official website or through your point of purchase.

Please have your product model number (H10R) and purchase date ready when contacting support.