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## Nitecore NU20 Classic

# Nitecore NU20 Classic Ultralight Headlamp User Manual

Model: NU20 Classic | Brand: Nitecore

## INTRODUCTION

The Nitecore NU20 Classic is an ultralight, USB-C rechargeable headlamp designed for various outdoor activities such as backpacking, camping, hiking, jogging, and running. It features a primary white LED with multiple outputs, including SOS and Beacon, and an auxiliary red light. This manual provides detailed instructions for the proper use, maintenance, and troubleshooting of your NU20 Classic headlamp.

## WHAT'S INCLUDED

- Nitecore NU20 Classic Headlamp
- Headband
- USB-C Charging Cable
- Nitecore Sticker



The Nitecore NU20 Classic headlamp shown with its included headband, USB-C charging cable, and Nitecore sticker.

## ADDITIONAL ACCESSORY



Nitecore Sticker

A coiled USB-C charging cable, essential for recharging the headlamp's internal battery.



A Nitecore branded sticker, included with the product.

## SPECIFICATIONS

Feature	Detail
Weight	1.34 oz (38g)
Dimensions (D x W x H)	0.96" x 2.05" x 1.3"
Max Brightness	360 Lumens (Primary White Light)
Max Runtime	97 hours (Low mode)
Max Beam Distance	119 yards (109 meters)
Water Resistance	IP66

Material	Polycarbonate
Battery	Built-in 500mAh Li-ion Battery

The NU20 Classic is crafted from durable PC material, ensuring it is both lightweight and robust. It offers triple output versatility with a primary white LED, an auxiliary white light (High CRI), and an auxiliary red light. The USB-C rechargeable battery provides long runtimes, and a battery status indicator keeps you informed of the remaining power.



The headlamp weighs only 38 grams (1.34 oz), offering a zero sense of weight during use.



The headlamp delivers a maximum output of 360 lumens with a beam distance of up to 109 meters.

## SETUP

### Attaching the Headband

The NU20 Classic comes with a lightweight, reflective, and glow-in-the-dark headband. To attach it, simply thread the elastic cords through the designated loops on the headlamp body. Adjust the length for a comfortable and secure fit on your head.



Front view of the Nitecore NU20 Classic headlamp with its elastic headband attached.



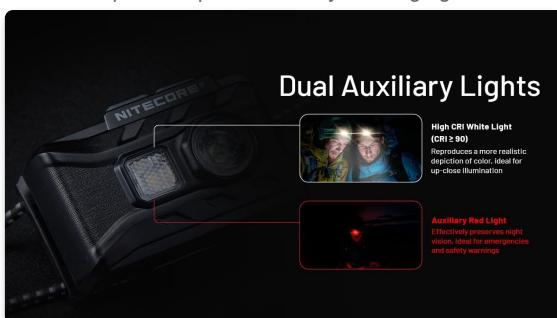
Side view showing the headband attachment points on the Nitecore NU20 Classic.

## Charging the Headlamp

The NU20 Classic features a built-in 500mAh Li-ion battery and a USB-C charging port for fast and convenient charging. To charge, lift the protective cover on the side of the headlamp to reveal the USB-C port and connect the included USB-C cable to a power source. The battery status indicator will show the charging progress.



The headlamp features a convenient USB-C charging port for quick and easy recharging.



The intuitive power indication LEDs show the battery level at a glance.

## OPERATING INSTRUCTIONS

### Primary White Light Operation

- Turn On/Off:** When the headlamp is off, short press the Power Button to turn on the primary white light in Low mode. After 3 seconds of no operation, short press the Power Button again to turn it off.
- Brightness Adjustment:** When the primary white light is on, quickly press the Power Button again to cycle through brightness levels: Low → Mid → High.
- Turbo Mode:** When the primary white light is on, long press the Power Button for 1 second to activate Turbo mode (360 lumens).

### Auxiliary White Light Operation (High CRI)

- Turn On/Off:** When the headlamp is off, long press the Power Button for 1 second to turn on the auxiliary white light. After 3 seconds of no operation, short press the Power Button or R Button to turn

it off.

## Auxiliary Red Light Operation

- **Turn On/Off:** When the headlamp is off, short press the R Button to turn on the auxiliary red light in Low mode. After 3 seconds of no operation, short press the R Button to turn it off.
- **Brightness Adjustment:** When the auxiliary red light is on, quickly press the R Button again to cycle through brightness levels: Low → High.

## Special Modes (SOS & Beacon)

- **Activate:** When the headlamp is off, long press the Power Button for 3 seconds to activate SOS mode.
- **Cycle Modes:** Within 3 seconds of activating SOS, short press the Power Button again to cycle to Beacon mode.

## Lock & Unlock

- **Lock:** When the headlamp is off, long press both the Power Button and R Button simultaneously for 3 seconds until the headlamp flashes three times. This indicates it is locked.
- **Unlock:** When the headlamp is locked, long press both buttons simultaneously for 3 seconds until the white low light turns on. This indicates it is unlocked.

## Operational Demonstration Video

Your browser does not support the video tag.

This video provides a comprehensive review and demonstration of the Nitecore NU20 Classic Headlamp's features and operational modes, including primary and auxiliary lights, special modes, and charging.

## MAINTENANCE

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- **Cleaning:** Regularly wipe the headlamp body and lens with a soft, clean cloth to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, recharge the headlamp regularly, even if it's not frequently used. Avoid fully depleting the battery for extended periods.
- **Storage:** Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures. If storing for a long time, charge the battery every three months to maintain its health.

## TROUBLESHOOTING

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- **Headlamp Not Turning On:**
  - Check if the headlamp is in Lockout Mode. Unlock it by long pressing both buttons for 3 seconds.
  - Ensure the battery is charged. Connect the USB-C cable to recharge.
- **Dim Light Output:**
  - The battery might be low. Recharge the headlamp.
  - Ensure the lens is clean and free from obstructions.
- **Not Charging:**
  - Verify the USB-C cable is properly connected to both the headlamp and the power source.

- Try a different USB-C cable or power adapter.
- Ensure the charging port is free of debris.

## **WARRANTY & SUPPORT**

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The Nitecore NU20 Classic Headlamp comes with a limited warranty. For detailed warranty information, please refer to the official Nitecore website or the warranty card included with your product.

If you encounter any issues that cannot be resolved using the troubleshooting guide, or for further assistance, please contact Nitecore customer support or the authorized seller (Lumen Tactical) from whom you purchased the product.

[Visit the Official Nitecore Store on Amazon](#)