Nitecore NU11

Nitecore NU11 Clip-On Cap Light and Headlamp User Manual

Model: NU11 | Brand: Nitecore

INTRODUCTION

The Nitecore NU11 is a compact and versatile lighting solution designed for hands-free operation. It can be clipped onto a cap or worn as a headlamp, making it suitable for a wide range of activities such as fishing, camping, hiking, jogging, and various work tasks. This manual provides detailed instructions on its features, operation, and maintenance.

WHAT'S INCLUDED

Upon unboxing your Nitecore NU11, please ensure all the following items are present:

- Nitecore NU11 Clip-On Cap Light and Headlamp
- USB-C Charging Cable
- Headband
- Instruction Manual

Image: Nitecore NU11, USB-C charging cable, and a Nitecore sticker.

FEATURES

The Nitecore NU11 is engineered with several key features to enhance your lighting experience:

- **Bright Illumination:** Produces up to 150 lumens of light with a wide beam, reaching up to 55 yards.
- **Motion Sensor:** An infrared (IR) sensor allows for hands-free operation, enabling you to turn the light on and off with a simple wave of your hand.
- **Adjustable Angle:** The light direction can be adjusted up to 90 degrees for optimal versatility.
- **USB-C Rechargeable:** Features a built-in rechargeable battery that fully charges in approximately two hours via USB-C. A light indicator shows the charging status.
- **Lightweight and Durable:** Weighing just 1.45 oz (41g), it's designed to be comfortable for extended wear. It boasts an IPX5 rating for water resistance (protection against rain, splashes, or sweat) and can withstand impacts up to 1 meter.
- **Dual Light Sources:** Includes both white and red LEDs. The red light is suitable for short-range lighting, preserving night vision, and protecting against insects, while the red flashing mode serves as a safety warning.

Video: An official product video from the seller, Lumen Tactical, showcasing the features and benefits of the Nitecore NU11 headlamp, including its motion sensor, brightness, and versatility.

SETUP

Attaching to a Cap

The Nitecore NU11 features a 90-degree adjustable clip for easy attachment to the brim of a cap. Simply open the clip and secure it firmly onto the cap's brim. Ensure the light is facing forward and can be adjusted to your desired angle.
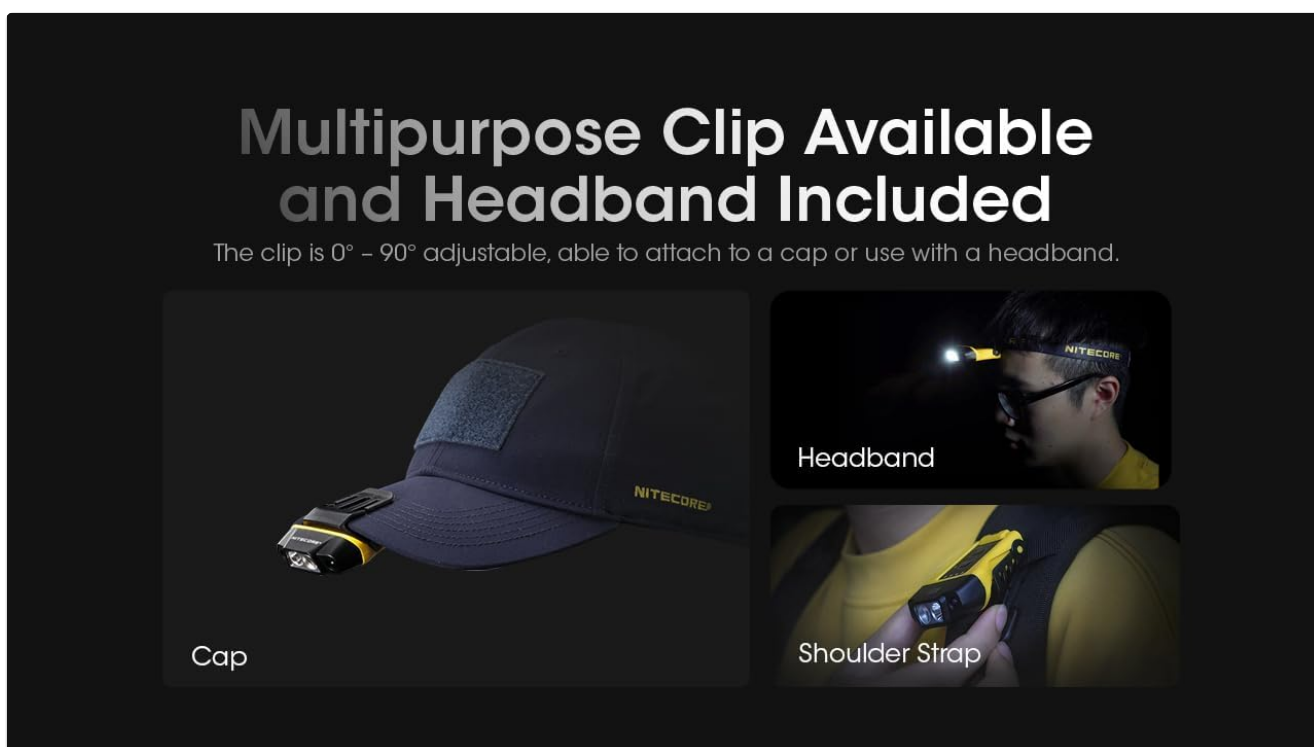
Image: The Nitecore NU11 securely clipped onto the brim of a baseball cap, demonstrating its primary use.

Using as a Headlamp

For use as a traditional headlamp, attach the NU11 to the included headband. The adjustable clip allows for secure mounting on the headband, providing a comfortable and stable fit for various activities.

Image: The Nitecore NU11 attached to its included headband, worn by a person, illustrating its use as a headlamp.

OPERATING INSTRUCTIONS

Dual-Button Interface

The NU11 features a user-friendly dual-button interface for control:

- **Power Button:** Used to turn the light on/off, adjust brightness levels, and switch between light sources (white/red).
- **IR Sensor Button:** Activates or deactivates the infrared motion sensor function.

Turning On/Off and Cycling Modes

1. When the light is off, short press the **Power Button** to access the White High mode.
2. After the light is turned on, short press the **Power Button** repeatedly within 3 seconds to cycle through the modes: White High → White Low → Constant Red → Red Flashing → Off.

Activating/Deactivating Motion Sensor

1. When the light is on, short press the **IR Sensor Button** to turn on the infrared sensor function. The sensor indicator will turn on steadily.
2. When the infrared sensor function is on, short press the **IR Sensor Button** once more to turn it off. The indicator will turn off.

Using the Motion Sensor

With the infrared sensor function activated, simply wave your hand approximately 5-10 cm (1.97-3.94 inches) in front of the light to effortlessly turn it on or off. This allows for hands-free control, especially useful when your hands are occupied.

Image: The Nitecore NU11 on a cap, demonstrating the motion sensor feature with a hand waving in front of the light.

Battery Level Indicator

When the light is turned on, the power indicators will light up in sequence for two seconds to show the remaining battery power:

- **4 Constant-On:** 75% - 100% battery
- **3 Constant-On:** 50% - 75% battery
- **2 Constant-On:** 25% - 50% battery
- **1 Constant-On:** 0% - 25% battery

If the battery is low and the light is turned on, a power indicator will flash, signaling that it has low battery and needs to be recharged.

Charging

To charge the Nitecore NU11, uncapp the USB-C protection cover located at the back of the device. Use the provided USB-C charging cable to connect the light to an external power supply. The charging time is approximately 2 hours. When fully charged, the device can last up to 12 months on standby.

PERFORMANCE SPECIFICATIONS

Mode	Brightness	Runtime	Beam Distance
White High	150 Lumens	2.5 Hours	50 Meters (54 Yards)
White Low	45 Lumens	6 Hours	25 Meters (27 Yards)
Constant Red	4 Lumens	30 Hours	3 Meters (3 Yards)
Red Flashing	4 Lumens	60 Hours	-

Note: Stated data is measured using the built-in Li-ion battery (3.6V 600mAh) under laboratory conditions. Data may vary in real-world use due to different environmental conditions.

Additional Specifications:

- **Impact Resistance:** 1 Meter
- **Water Resistance:** IPX5 (Resistant to water jets from any direction)
- **Material:** Polycarbonate
- **Weight:** 1.45 Ounces (41g)
- **Dimensions:** 1.98"D x 2.33"W x 0.74"H

MAINTENANCE

To ensure the longevity and optimal performance of your Nitecore NU11, follow these maintenance guidelines:

- Clean the device regularly with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- Keep the USB-C charging port cover securely closed when not charging to prevent dust and moisture ingress.
- Store the light in a cool, dry place away from direct sunlight and extreme temperatures.
- Recharge the battery periodically if the device is not used for extended periods to maintain battery health.

TROUBLESHOOTING

If you encounter any issues with your Nitecore NU11, please refer to the following common troubleshooting tips:
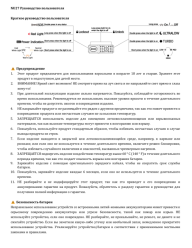
- **Light not turning on:** Ensure the battery is charged. If the battery is low, the power indicator will flash. Recharge the device.
- **Motion sensor not responding:** Verify that the IR sensor function is activated by checking the sensor indicator light. Ensure there are no obstructions between your hand and the sensors.
- **Charging issues:** Check the USB-C cable and power source for proper connection. Ensure the charging port is clean and free of debris.

If problems persist after attempting these steps, please contact Nitecore customer support for further assistance.

WARRANTY & SUPPORT

The Nitecore NU11 is covered by a manufacturer's warranty. Please refer to the warranty card included in the packaging for specific terms and conditions. For technical support, product inquiries, or warranty claims, please visit the official Nitecore website or contact their authorized distributors.

Related Documents - NU11

	Nitecore NU27 Headlamp User Manual: Features, Specifications, and Operation Guide Comprehensive user manual for the Nitecore NU27 headlamp. Learn about its features, technical specifications, charging, and detailed operation instructions for all modes, including brightness levels, red light, and special functions.
	NITECORE NU35 Dual Power Headlamp User Manual Comprehensive user manual for the NITECORE NU35 Dual Power Headlamp, detailing features, specifications, battery options, charging, operation, and safety warnings. Includes information on dual power sources (built-in Li-ion and AAA batteries), multiple light sources (CREE XP-G3 S3 LED, high CRI white LEDs, red LEDs), USB-C charging, and various lighting modes.
	NITECORE NU33 USB-C Rechargeable Headlamp - Features, Specs, and Operation Guide 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.
	NITECORE UT27 Ultra Lightweight Triple Output Elite Headlamp - 800 Lumens, Dual White/Warm Light, USB-C Rechargeable Explore the NITECORE UT27 Elite Headlamp, a powerful and lightweight lighting solution with 800 lumens max output, TrueVision+ technology, dual white and warm light sources, and convenient USB-C charging. Perfect for outdoor adventures, work, and everyday use.
	Nitecore NU25 / NU25 UL Dual Beam USB-C Rechargeable Headlamp User Manual 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.
	NITECORE NU27 Headlamp User Manual 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.