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OLIGHT Perun 3 Mini

OLIGHT Perun 3 Mini Headlamp User Manual

Model: Perun 3 Mini

1. Introduction

The OLIGHT Perun 3 Mini is a compact and powerful headlamp designed for versatility and durability. It offers a maximum output of 920 lumens and features both white and red light options, making it suitable for various activities such as working, hiking, camping, and climbing. Its rechargeable battery provides extended use, and the robust construction ensures reliable performance in diverse environments.



Image 1.1: The OLIGHT Perun 3 Mini Headlamp attached to its breathable headband.

2. Package Contents

Verify that all items are present in your product package:

- Perun 3 Mini Headlamp (Battery and Pocket Clip Included)
- MCC1A Magnetic Charging Cable
- Headband and Bracket
- User Manual



Image 2.1: All components included in the Perun 3 Mini package.

3. Specifications

Feature	Detail
Max Output	920 Lumens
Beam Distance	133 Meters
Light Source Type	LED (Neutral White 4000K~5000K)
Power Source	Rechargeable Battery (1 x 12V, Lithium-Ion)
Material	6061-T6 Aluminum Alloy
Water Resistance	IPX8 (Submersible up to 2 meters for 30 minutes)
Drop Resistance	1.5 meters
Dimensions	2.53"D x 0.81"W x 0.87"H
Item Weight	1.92 ounces
Special Features	Adjustable Light Modes, Adjustable Strap, Portable, Rechargeable, With Red Light

OUTPUT

White Light (Standard Version)					
SPECIFICATIONS	Turbo	High	Medium	Low	Moon
	1,250 ANSI lumens	500 ANSI lumens	100 lumens	10 lumens	2 lumens
	2+60 minutes	2+75 minutes	4.5 hours	30 hours	10 days
	155 meters	95 meters	45 meters	15 meters	5 meters
	6,000 cd	2,300 cd	500 cd	60 cd	7 cd

Red Light		
SPECIFICATIONS	High	Low
	45 lumens	5 lumens
	150 minutes	19 days
	10 meters	4 meters
	30 cd	4 cd

*Note: All data above are test results according to ANSI NEMA FL 1-2019 standards.



Image 3.1: Detailed output specifications for white and red light modes.

4. Setup

4.1 Initial Charging

Before first use, fully charge the Perun 3 Mini headlamp.

1. Connect the MCC1A Magnetic Charging Cable to a USB power source.
2. Attach the magnetic end of the cable to the tail cap of the headlamp. The indicator on the charging cable will glow red during charging and turn green when fully charged.



Image 4.1: Magnetic charging of the Perun 3 Mini.

4.2 Attaching to Headband

The headlamp can be easily attached to or detached from the headband bracket.

1. Align the headlamp with the bracket on the headband.
2. Press the headlamp firmly into the bracket until it clicks securely into place.
3. To detach, press the 'PUSH' button on the bracket and slide the headlamp out.

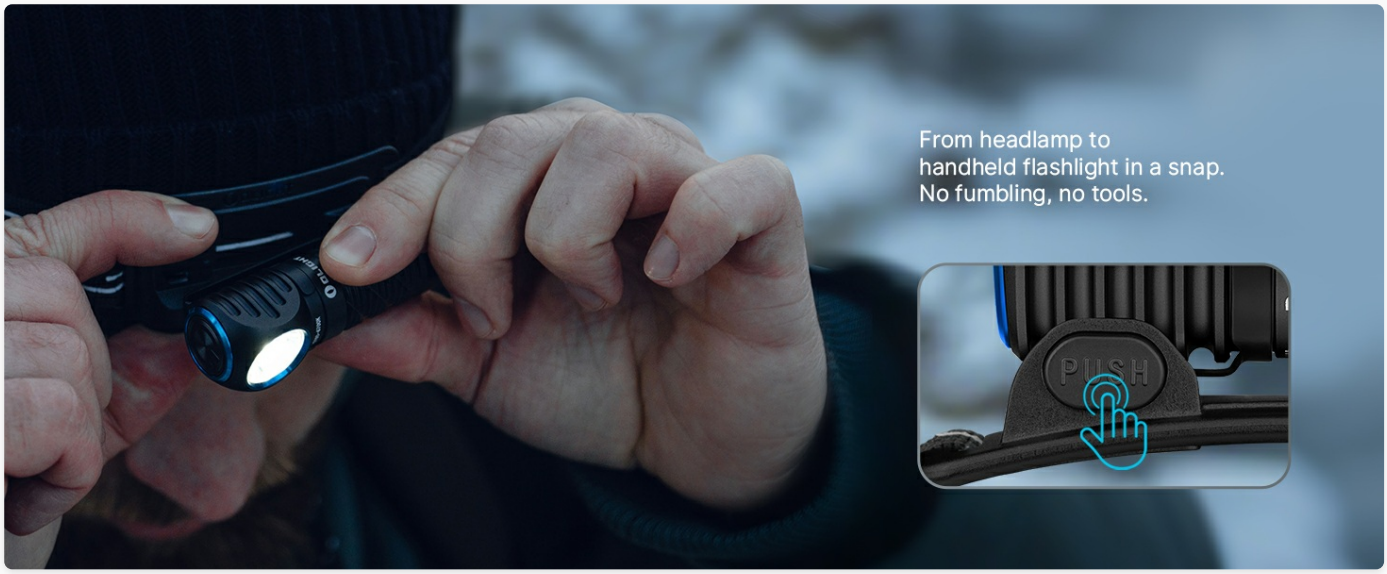


Image 4.2: Quick-detach mechanism for converting between headlamp and handheld use.

5. Operating Instructions

5.1 General Operation

- **Turn On/Off:** Single press the button.
- **Change Brightness (White Light):** When on, press and hold the button to cycle through Low, Medium, High. Release to select.

- **Moonlight Mode:** When off, press and hold the button for 1 second.
- **Turbo Mode:** Double press the button quickly. Double press again to return to previous mode.
- **Red Light Mode:** When off, double press the button to activate red light.
- **Change Red Light Brightness:** When in red light mode, press and hold to cycle between Low and High red light.
- **SOS Mode (Red Light):** When in red light mode, double press the button.
- **Lockout/Unlock:** When off, press and hold the button for 2 seconds. The red indicator will flash briefly. To unlock, press and hold for 2 seconds until the light turns on in Moonlight mode.



Image 5.1: Examples of white light modes for different scenarios.

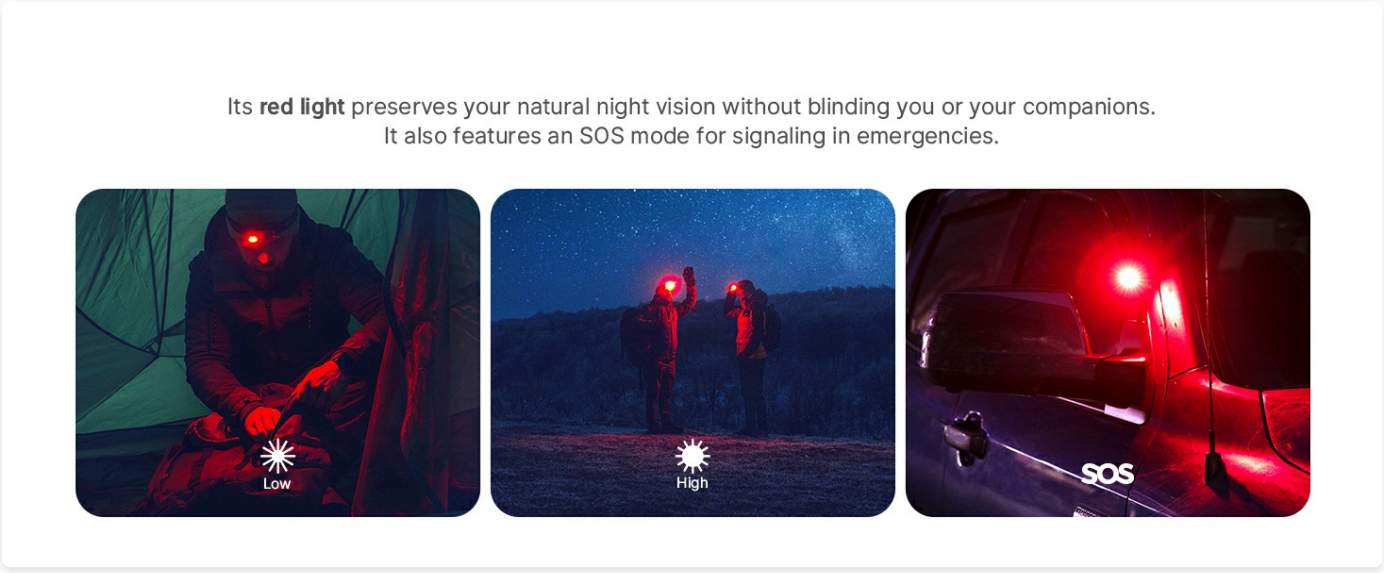


Image 5.2: Red light modes for night vision preservation and emergency signaling.

5.2 Battery Indicator

The tri-color power indicator provides real-time battery status:

- **Green:** Battery level > 60%
- **Orange:** Battery level 60% ~ 10%
- **Red:** Battery level 10% ~ 5%
- **Flashing Red:** Battery level < 5%



Image 5.3: Visual representation of the battery status indicator.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Perun 3 Mini headlamp.

- **Cleaning:** Wipe the headlamp with a soft, clean cloth. For stubborn dirt, use a slightly damp cloth. Avoid harsh chemicals or abrasive materials.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain battery health. 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, consider charging it to about 50% capacity.
- **Threads and O-rings:** Periodically clean the threads and lubricate the O-rings with silicone grease to maintain water resistance.

7. Troubleshooting

If you encounter issues with your Perun 3 Mini, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	Low battery, Lockout mode, Loose connection	Charge battery, Unlock headlamp (press and hold button for 2 seconds), Ensure tail cap is tightened
Light output is dim	Low battery, Lens obstruction	Charge battery, Clean lens
Headlamp not charging	Charging cable not connected properly, Faulty cable/adapter	Ensure magnetic cable is securely attached, Try a different USB adapter or cable
Headlamp detaches easily from bracket	Improper attachment, Worn bracket	Ensure headlamp clicks into place, Inspect bracket for damage and replace if necessary

If the issue persists after attempting these solutions, please contact OLIGHT customer support.

8. Warranty

The OLIGHT Perun 3 Mini Headlamp comes with a**Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For detailed warranty terms and conditions, please refer to the official OLIGHT website or contact customer support.

9. Support

For further assistance, product information, or to register your product, please visit the official OLIGHT store or contact their customer service:

- **OLIGHT Official Store:** Visit the OLIGHT Store on Amazon
- **Website:** Refer to your product packaging or the official OLIGHT website for direct support contact information.

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