PETZL E070BA00

PETZL ARIA 2 RGB Headlamp Instruction Manual
MODEL: E070BA00

1. Introduction

Thank you for choosing the PETZL ARIA 2 RGB headlamp. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your device. The ARIA 2 RGB is a compact, durable, and waterproof headlamp designed for various outdoor activities, offering white, red, green, and blue lighting modes.

Image: PETZL ARIA 2 RGB Headlamp with adjustable headband, shown from a side angle.

2. Safety Information

Please read and understand all safety instructions before using the headlamp. Failure to follow these instructions may result in injury or damage to the product.

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

- **Battery Handling:** Use only recommended batteries (3 AAA/LR03 alkaline batteries or the PETZL CORE rechargeable battery). Do not mix old and new batteries, or different types of batteries. Remove batteries if the headlamp will not be used for an extended period.

- **Water Resistance:** The headlamp is rated IP67 (dustproof and waterproof up to 1 meter for 30 minutes). Ensure the battery compartment is securely closed before exposure to water.

- **Impact Resistance:** The headlamp is impact resistant (IK07) and fall resistant up to 2 meters. However, avoid unnecessary drops or impacts.

3. Components Overview

The PETZL ARIA 2 RGB headlamp consists of the following main components:

- **Light Unit:** Contains the LEDs for white, red, green, and blue lighting, and the optical lenses.
- **Power Button:** Located on top of the light unit for turning the headlamp on/off and cycling through modes.
- **Battery Compartment:** Located at the rear of the light unit, housing the batteries.
- **Adjustable Headband:** Elastic strap for securing the headlamp to your head.
- **Tilt Mechanism:** Allows adjustment of the light unit's angle.

Image: Front view of the PETZL ARIA 2 RGB headlamp, highlighting the light unit with its multiple LEDs.

4. Setup

4.1 Battery Installation

The ARIA 2 RGB headlamp features the Hybrid Concept, allowing it to be powered by either three AAA/LR03 alkaline batteries or the PETZL CORE rechargeable battery (sold separately).

1. Open the battery compartment by lifting the latch on the back of the light unit.
2. Insert three AAA/LR03 batteries, ensuring correct polarity (+/-) as indicated inside the compartment, or insert the PETZL CORE rechargeable battery.
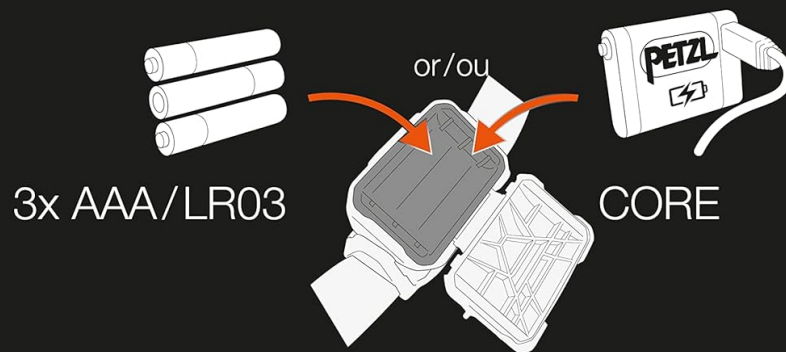3. Close the battery compartment securely until you hear a click.

Image: Diagram showing the battery compartment open, with options for inserting three AAA batteries or a single PETZL CORE rechargeable battery.

4.2 Adjusting the Headband

The elastic headband is symmetrical, making it easy to adjust for a comfortable and secure fit. It is also removable and washable.

1. Place the headlamp on your head.
2. Use the two buckles on the headband to tighten or loosen the strap until it fits snugly without being too tight.

5. Operating the Headlamp

5.1 Power On/Off and White Lighting Modes

Press the power button on top of the headlamp to cycle through the white lighting modes:

- **First Press:** MAX BURN TIME (lowest brightness, longest runtime).
- **Second Press:** STANDARD (balanced power/burn time).
- **Third Press:** MAX POWER (highest brightness, shortest runtime).
- **Fourth Press:** Turns the headlamp off.

To turn off the headlamp from any mode, press and hold the power button for approximately 2 seconds.

5.2 Color Lighting Modes (Red, Green, Blue)

The ARIA 2 RGB offers colored lighting for specific needs, such as preserving night vision (red) or enhancing contrast (green/blue).

- To activate colored light, press and hold the power button for approximately 2 seconds when the

headlamp is off.

- Subsequent short presses will cycle through Red, Green, and Blue modes.
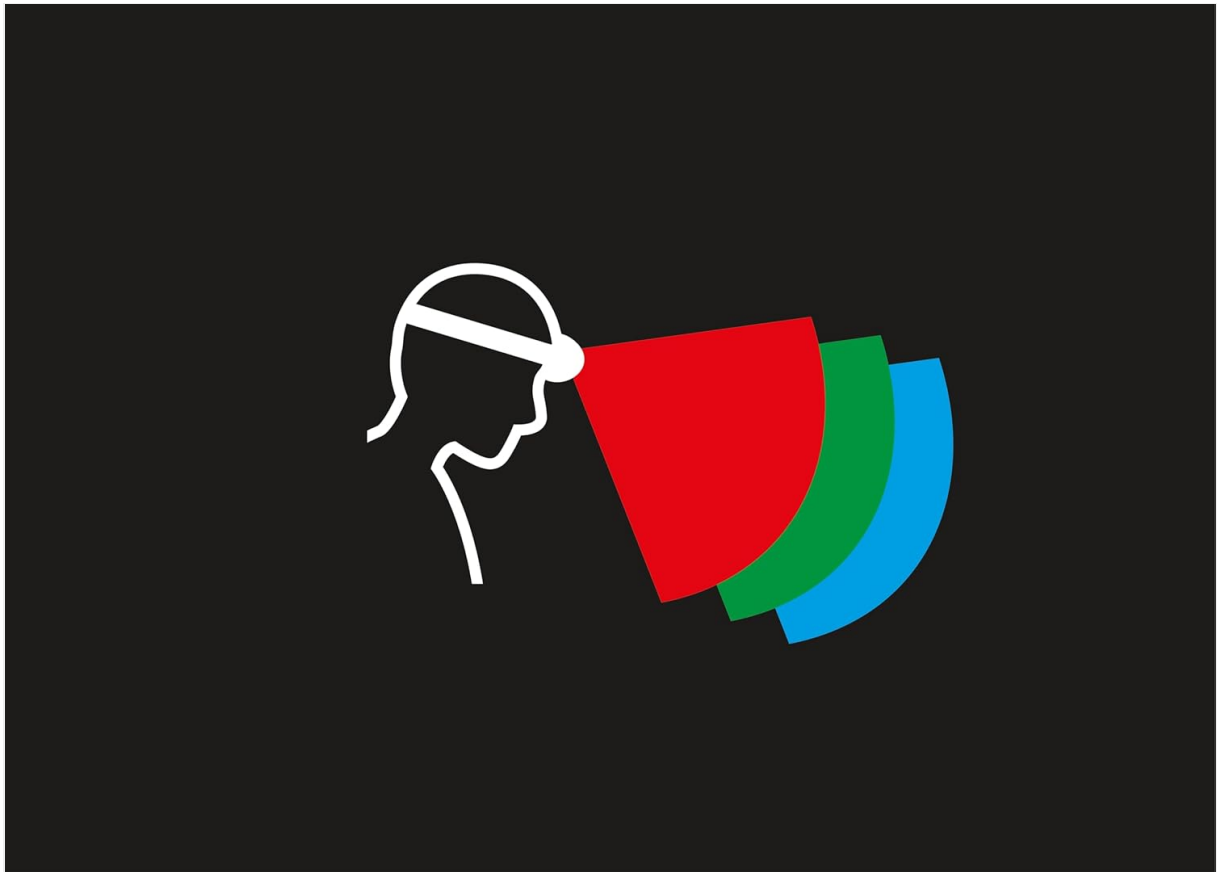- To return to white light modes, press and hold the power button again.

Image: Graphic depicting a headlamp wearer with beams of red, green, and blue light radiating forward, illustrating the RGB modes.

5.3 Lock Function

The LOCK function prevents accidental activation during transit or storage, conserving battery life.

- **To Activate Lock:** When the headlamp is off, press and hold the power button for approximately 4 seconds until the light flashes.
- **To Deactivate Lock:** Press and hold the power button for approximately 4 seconds until the light turns on.

5.4 Adjusting Beam Direction

The light unit can be tilted up or down to direct the beam where needed.

- Gently push the light unit up or down to adjust its angle.
- This allows for close-range illumination (declination) or distance viewing (inclination), useful in various environments like caves or trails.
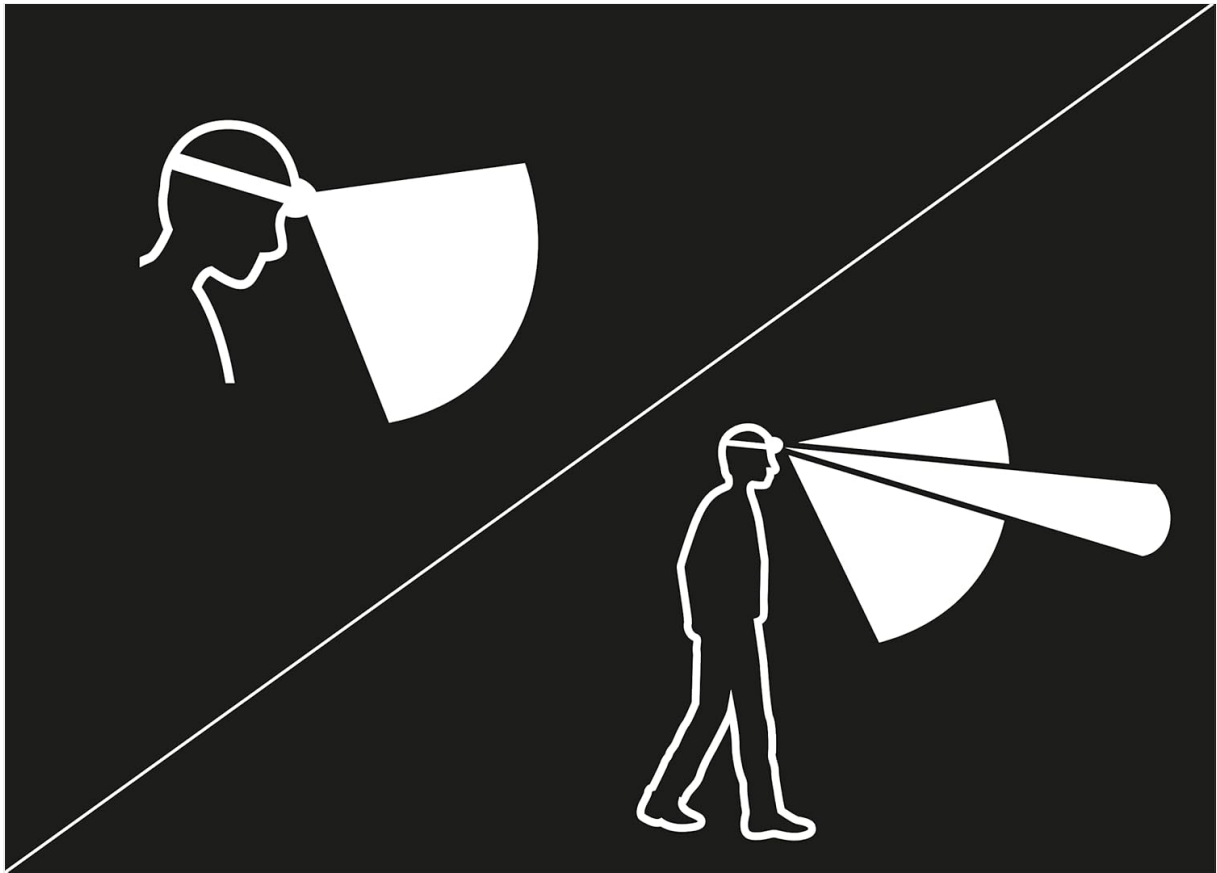
Image: A graphic showing two scenarios: a headlamp beam directed downwards for immediate area illumination, and a beam directed forward for long-distance visibility.

6. Maintenance

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

- **Cleaning:** Clean the headlamp with a soft, damp cloth. Do not use harsh chemicals or abrasive materials. For the headband, it is removable and washable by hand with mild soap.
- **Drying:** If the headlamp gets wet, ensure it is thoroughly dried before storing, especially the battery compartment.
- **Storage:** Store the headlamp in a cool, dry place away from direct sunlight. Remove batteries if storing for extended periods to prevent leakage.
- **Durability:** The ARIA 2 RGB is designed for durability, featuring IP67 dust and water resistance, IK07 impact resistance, and fall resistance up to 2 meters.

Image: Icons indicating the headlamp's durability ratings: IP67 for water and dust resistance (submersible to 1 meter), IK07 for impact resistance, and a symbol for resistance to drops from 2 meters.

7. Troubleshooting

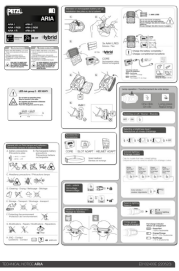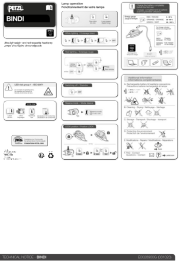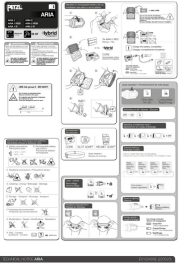| Problem	Possible Cause	Solution
Headlamp does not turn on.	Dead or incorrectly inserted batteries. Lock function activated.	Check battery polarity and charge/replace batteries. Deactivate lock function (press and hold power button for 4 seconds).
Light is dim or flickers.	Low battery power. Corroded battery contacts.	Replace or recharge batteries. Clean battery contacts with a dry cloth.
Headlamp turns off unexpectedly.	Low battery power. Overheating (unlikely for this model).	Replace or recharge batteries. Allow headlamp to cool down if used in extreme heat.

8. Specifications

- **Model:** E070BA00
- **Brightness (White):** Up to 450 Lumens (MAX POWER mode)
- **Light Source:** LED (White, Red, Green, Blue)
- **Power Source:** 3 x AAA/LR03 batteries (alkaline, rechargeable Ni-MH, or lithium) or PETZL CORE rechargeable battery
- **Water Resistance:** IP67 (dustproof and waterproof up to 1 meter for 30 minutes)
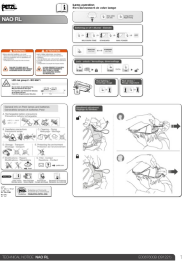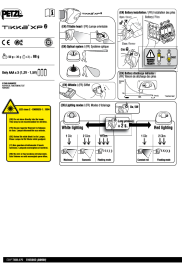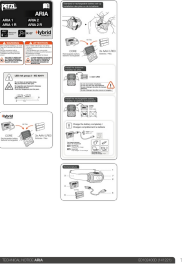- **Impact Resistance:** IK07

- **Fall Resistance:** Up to 2 meters
- **Weight:** Approximately 170 grams (6 ounces) with batteries
- **Material:** Plastic
- **Product Dimensions:** 4.33"D x 4.33"W x 1.97"H

9. Warranty and Support

PETZL products are covered by a warranty against any defects in materials or manufacturing. For specific warranty terms, conditions, and to access customer support, please refer to the official PETZL website or contact your local distributor. Keep your proof of purchase for warranty claims.

Related Documents - E070BA00

	[Petzl ARIA Headlamp: User Guide and Technical Specifications](#) Comprehensive instructions for the Petzl ARIA headlamp series, covering operation, battery management, safety precautions, maintenance, and warranty. Features HYBRID technology and CORE battery compatibility.
	[Petzl BINDI Headlamp Technical Notice and User Guide](#) Comprehensive technical notice and user guide for the Petzl BINDI ultra-lightweight and rechargeable headlamp, covering operation, charging, safety precautions, and warranty information.
	[Petzl ARIA Headlamp: User Manual and Technical Information](#) Comprehensive guide to the Petzl ARIA headlamp, covering installation, operation, safety precautions, battery care, and warranty information. Includes details on HYBRID technology and CORE rechargeable battery.

[Petzl NAO RL Headlamp - Technical Notice and User Guide](#)
Comprehensive technical notice and user guide for the Petzl NAO RL headlamp, covering operation, features, safety warnings, charging instructions, performance specifications, and maintenance.

[PETZL TIKKA XP Headlamp User Manual and Specifications](#)
Comprehensive user manual and technical specifications for the PETZL TIKKA XP headlamp, detailing features, operation, performance, maintenance, safety guidelines, and warranty information.

[Petzl ARIA Headlamp: User Manual, Operation, and Safety Guide](#)
Detailed guide for the Petzl ARIA headlamp series (ARIA 1, ARIA 1 R, ARIA 2, ARIA 2 R). Covers setup, HYBRID technology, CORE rechargeable battery, operation, safety precautions, maintenance, and technical specifications.