BLACK DIAMOND Astro 300 Headlamp

BLACK DIAMOND Astro 300 Headlamp Instruction Manual

Model: Astro 300 (BD620674)

1. PRODUCT OVERVIEW

The BLACK DIAMOND Astro 300 Headlamp is a compact and lightweight lighting solution designed for various outdoor activities and general use. It provides reliable illumination with multiple light modes and adjustable features for optimal visibility.
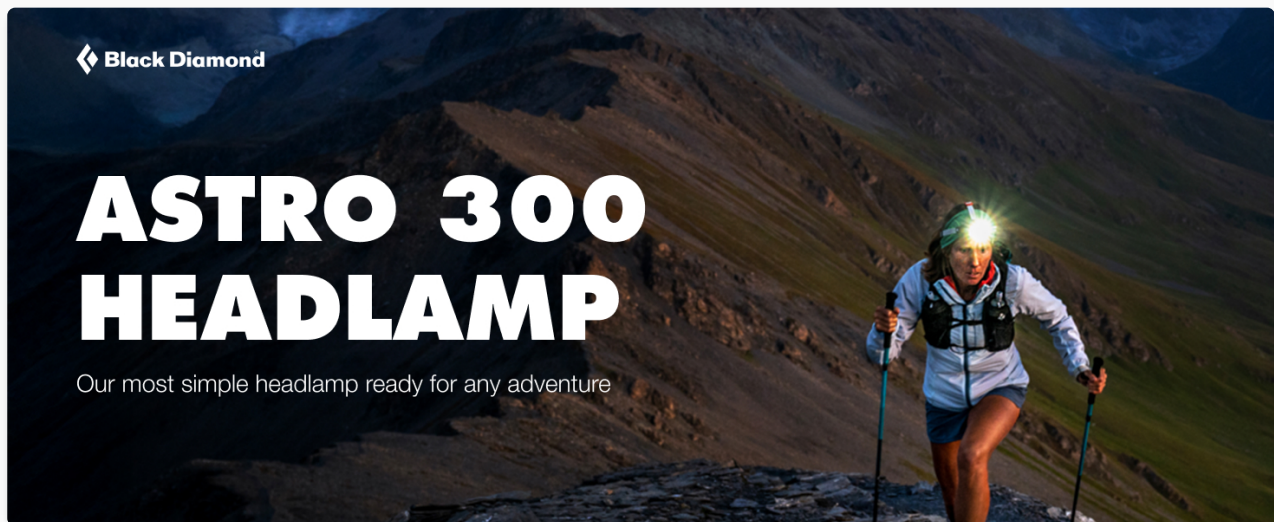

Image: The Astro 300 Headlamp illuminating a path during an outdoor activity.

2. SETUP

2.1 Battery Installation

The Astro 300 Headlamp operates on 3x AAA batteries (included). It is also compatible with the BD 1500 rechargeable Li-ion battery and charger, which are sold separately.

1. Locate the battery compartment on the side of the headlamp unit.

2. Gently open the battery compartment latch.

3. Insert 3x AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.

4. Close the battery compartment securely until the latch clicks into place.

POWER READY, RIGHT OUT OF THE BOX

Your headlamp includes 3 AAA batteries for instant use — no waiting, no setup.

For peak performance and longer missions, pair it with our Rechargeable Battery Pack (sold separately).

Image: Illustration of the battery compartment and the 3x AAA batteries required for operation. The optional BD 1500 rechargeable battery pack is also shown.

2.2 Headband Adjustment

The elastic headband is adjustable to ensure a comfortable and secure fit for various head sizes or when worn over headwear like helmets.

1. Place the headlamp on your head.

2. Use the adjustable buckles on the side straps to tighten or loosen the headband until it feels snug but not too tight.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Mode Selection

The Astro 300 features a simple one-button interface for operation.

- **To Turn On/Off:** Press the power button once.
- **To Cycle Modes:** With the headlamp on, press the power button repeatedly to cycle through full strength, dimming, and strobe settings.

3.2 Brightness Adjustment (PowerTap Technology)

The headlamp incorporates PowerTap Technology for instant brightness adjustments and Brightness Memory to recall your last setting.

- **PowerTap:** Tap the side of the headlamp (where the PowerTap icon is located) to instantly switch between maximum output and dimmed power.
- **Dimming:** To fine-tune brightness, press and hold the power button while the light is on. The brightness

will cycle up or down. Release the button at your desired brightness level.

- **Brightness Memory:** The headlamp will turn on at the last brightness setting used, even after being turned off.

Image: Visual representation of the headlamp's key features including Night Vision, Brightness Memory, and PowerTap Technology.

3.3 Light Angle Adjustment

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

- Grasp the headlamp unit and gently pivot it to the desired angle. The mechanism is designed to hold its position during use.

4. MAINTENANCE

4.1 General Care

- Keep the headlamp clean and free from dirt and debris.
- Store in a cool, dry place when not in use.
- Remove batteries if storing for extended periods to prevent leakage.

4.2 Water Resistance

The Astro 300 Headlamp is IPX4 Stormproof, meaning it is protected against splashing water from any direction. It is not designed for submersion.

- Ensure the battery compartment is securely closed to maintain water resistance.
- If the headlamp gets wet, wipe it dry before storing.

5. TROUBLESHOOTING

5.1 Light Not Turning On

- Check if the batteries are inserted correctly with the proper polarity.

- Replace old batteries with fresh ones.

- Ensure the battery compartment is fully closed.

5.2 Dim or Flickering Light

- Batteries may be low; replace them.

- Ensure battery contacts are clean and free of corrosion.

6. SPECIFICATIONS

Feature	Detail
Brightness	300 Lumens (Maximum Output)
Power Source	3x AAA Batteries (Included), BD 1500 Rechargeable Li-ion Battery (Sold Separately)
Light Source Type	LED
Material	Polycarbonate
Item Weight	2.56 ounces (0.16 Pounds)
Water Resistance	IPX4 Stormproof
Product Dimensions	1.88"D x 4"W x 3"H
Special Features	Compact, Dimmable, Lightweight, Brightness Memory, PowerTap Technology
Included Components	3x AAA Batteries

Image: Detailed technical specifications of the Astro 300 Headlamp.

7. WARRANTY AND SUPPORT

The BLACK DIAMOND Astro 300 Headlamp comes with a **3-Year Manufacturer Warranty**. For warranty claims or technical support, please refer to the official BLACK DIAMOND website or contact their customer service directly.

For additional information and product registration, visit the BLACK DIAMOND Store.