

BLACK DIAMOND Spot 350

BLACK DIAMOND Spot 350 Headlamp Instruction Manual

Model: BD620659

1. INTRODUCTION

The BLACK DIAMOND Spot 350 Headlamp is engineered for reliable illumination during outdoor activities such as dawn patrols, night approaches, and general outdoor use. This headlamp delivers up to 350 lumens of brightness, offering versatile lighting modes for various conditions. Its compact and ergonomic design ensures comfort and balance, while the durable, waterproof construction provides resilience in challenging environments. The intuitive user interface, including a dual-switch system and brightness memory feature, enhances usability.



Figure 1: Front view of the BLACK DIAMOND Spot 350 Headlamp.

2. SETUP

2.1 Battery Installation

The Spot 350 Headlamp operates on 3 AAA batteries (included). To install or replace batteries:

1. Locate the battery compartment latch on the side of the headlamp unit.
2. Gently open the compartment.
3. Insert three AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment securely until it clicks into place.



Figure 2: BLACK DIAMOND Spot 350 Headlamp with adjustable strap.

2.2 Headlamp Adjustment

The headlamp features an adjustable elastic headband for a secure and comfortable fit. Adjust the strap length using the buckles on either side to fit your head or over a hat/helmet. The lamp unit can also be tilted to direct the light beam as needed.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

To turn the headlamp on or off, press the large power button located on the top of the unit once.

3.2 Brightness Adjustment (Dimming)

With the headlamp on, hold down the large power button to adjust the brightness. The light will cycle through its brightness levels, flickering at the highest and lowest settings to indicate the limits.

3.3 Mode Selection

The Spot 350 offers multiple lighting modes for varying conditions:

- **Distance Beam:** Optimized for active situations and long-range visibility.
- **Proximity Beam:** Ideal for close-range activities like reading, cooking, or setting up camp.
- **Red Night-Vision Mode:** Preserves night vision and is useful for discreet use.
- **Strobe Mode:** For signaling or emergency situations.

To switch between different lighting beams, press the smaller mode button (if available, or cycle through with the main button depending on the specific model's interface). For models with two buttons, the smaller button typically cycles through modes.

3.4 PowerTap Technology

For instant maximum brightness, simply tap the PowerTap icon on the side of the headlamp. This feature allows

for quick transitions to full power without cycling through modes.

3.5 Brightness Memory

The headlamp features Brightness Memory, meaning it will turn on at the last selected brightness level and mode, even if it was turned off from a different setting.

3.6 Digital Lockout Feature

To prevent accidental activation and battery drain when stored in a pack or pocket, the headlamp includes a digital lockout feature. To engage/disengage, hold down both the power button and mode button (or the single power button for single-button models) for approximately 3 seconds until the light flashes, indicating it is locked or unlocked.

3.7 Battery Meter

A six-setting, three-LED battery meter is located on the side of the front housing. This indicator displays the remaining battery life, allowing you to monitor power levels effectively.

3.8 Official Operation Video

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Video 1: How to Operate Your Black Diamond Headlamp. This video provides a visual guide on the headlamp's functions, including power, brightness, and mode selection.

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Video 2: The Black Diamond Spot 350 Headlamp. This video offers an overview of the Spot 350 headlamp's features and benefits.

4. MAINTENANCE

4.1 Waterproofing

The Spot 350 Headlamp is designed with an IPX8 waterproof rating, meaning it is submersible to 1 meter for 30 minutes. This makes it suitable for use in rain, snow, and other wet conditions.

4.2 Drying After Submersion

If the headlamp is submerged in water, open the battery compartment and allow it to completely dry out before its next use to prevent damage.

4.3 Cleaning

Clean the headlamp with a damp cloth. Do not use harsh chemicals or abrasive materials. Ensure the lens is clean for optimal light output.

5. TROUBLESHOOTING

- **Light not turning on:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Dim light output:** Batteries may be low. Replace batteries.
- **Intermittent operation:** Ensure battery compartment is securely closed and contacts are clean.
- **Headlamp is locked:** Disengage the digital lockout feature by holding down the power and mode buttons for 3 seconds.

6. SPECIFICATIONS

Feature	Detail
Model Number	BD620659
Brightness	350 Lumens (Max)
Power Source	3 AAA Batteries (Included)
Light Source Type	LED
Water Resistance Level	IPX8 (Submersible to 1m for 30 min)
Material	Polycarbonate
Special Features	Compact, Dimmable, Weatherproof, Brightness Memory, PowerTap Technology
Item Weight	1.6 ounces
Product Dimensions	1.5"D x 2.5"W x 1.5"H

7. WARRANTY AND SUPPORT

For warranty information, product support, or to inquire about replacement parts, please visit the official BLACK DIAMOND website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Manufacturer: Black Diamond Equipment

Website: blackdiamondequipment.com