

Black Diamond BD620659

Black Diamond SPOT 350 Headlamp Instruction Manual

Model: BD620659 | **Brand:** Black Diamond

INTRODUCTION

This manual provides detailed instructions for the Black Diamond SPOT 350 Headlamp. Designed for outdoor enthusiasts, this headlamp offers powerful illumination and advanced features for various activities, from climbing to camping.

The SPOT 350 features a compact, low-profile design, enhanced optical efficiency, and an intuitive user interface for optimal performance and comfort.

KEY FEATURES

- Emits up to 350 lumens on max setting
- PowerTap Technology allows instant transitioning between full and dimmed power
- Compact, low-profile design uses three AAA batteries, included
- Settings include full strength in proximity and distance modes, dimming, strobe, red night-vision, and digital lock mode
- IPX8: Waterproof - Tested to operate at least 1.1 meters underwater for 30 minutes. If submerged, water may enter the battery compartment and it will still operate; it should be completely dried out after use in wet conditions.

PRODUCT OVERVIEW



Figure 1: Front view of the Black Diamond SPOT 350 Headlamp, showcasing the main light and adjustable headband.



Figure 2: Rear view of the headlamp, showing the headband adjustment mechanism.



Figure 3: Close-up of the headlamp's light array, featuring the main LED and secondary lights.



Figure 4: Side view illustrating the control buttons and compact profile of the headlamp.



Figure 5: Side view highlighting the battery indicator lights on the headlamp unit.

SETUP

Battery Installation

The Black Diamond SPOT 350 Headlamp operates on three (3) AAA batteries, which are included with the product.

1. Locate the battery compartment on the rear of the headlamp unit.
2. Open the battery compartment latch.
3. Insert three AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Securely close the battery compartment latch until it clicks into place.

Adjusting the Headband

The elastic headband is adjustable to ensure a comfortable and secure fit. Slide the buckle to tighten or loosen the band as needed.

OPERATING INSTRUCTIONS

Power On/Off

Press the main power button once to turn the headlamp on or off.

Light Modes and Brightness Adjustment

The SPOT 350 offers multiple light modes and brightness settings:

- **Proximity Mode:** Provides a wide beam for close-range activities.
- **Distance Mode:** Offers a focused beam for long-range illumination.
- **Dimming:** Adjust brightness within any mode by holding down the power button.
- **Strobe Mode:** For signaling or emergency situations.
- **Red Night Vision:** Preserves night adaptation and is ideal for discreet use.

PowerTap Technology

Quickly transition between full and dimmed power by tapping the side of the headlamp. This allows for instant brightness adjustments without cycling through modes.

Brightness Memory

The headlamp remembers your last used brightness setting. When you turn the light back on, it will revert to that chosen brightness without defaulting.

Digital Lock Mode

To prevent accidental activation during transport or storage, engage the digital lock mode. Refer to the detailed user guide for the specific button sequence to activate and deactivate this feature.

Battery Meter

A six-setting, three-LED battery meter indicates the remaining battery life, allowing you to monitor power levels effectively.

MAINTENANCE

Care and Cleaning

To ensure the longevity of your headlamp, wipe it clean with a damp cloth after use. Avoid using harsh chemicals or abrasive materials.

Water Resistance

The SPOT 350 is rated IPX8 waterproof. This means it is tested to operate at least 1.1 meters underwater for 30 minutes. If submerged, water may enter the battery compartment, but the unit will still operate. It is crucial to completely dry out the headlamp after use in wet conditions to prevent corrosion and ensure proper function.

TROUBLESHOOTING

Light Not Turning On

- Check battery installation and ensure correct polarity.
- Replace batteries with fresh ones.
- Ensure the digital lock mode is not engaged.

Dim or Flickering Light

- Batteries may be low; replace them.
- Clean battery contacts if corroded.

Water Inside Battery Compartment

- Remove batteries and thoroughly dry the compartment and contacts before reinserting batteries.

SPECIFICATIONS




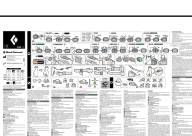
Feature	Detail
Special Feature	Dimmed Power
Color	Dark Olive
Power Source	Battery Powered
Light Source Type	LED
Material	Plastic
White Brightness	350 Lumens
Included Components	Headlamp, Batteries
Product Dimensions	7.09"D x 4.72"W x 4.72"H
Voltage	4.5 Volts
Battery Cell Composition	Alkaline
Item Weight	0.09 Kilograms (3.03 ounces)
Number of Batteries	3 AAA batteries required (included)
Water Resistance Level	Waterproof (IPX8)
Mounting Type	Head Mount
Model Number	BD620659
UPC	793661472209

WARRANTY AND SUPPORT

Black Diamond products are designed for durability and performance. For specific warranty information and support, please visit the official Black Diamond website or contact their customer service.

You can find more information and contact details on the[Black Diamond Store on Amazon](#).

Related Documents

	<p>Black Diamond Spot LED Headlamp User Instructions</p> <p>Comprehensive instructions for the Black Diamond Spot LED Headlamp, covering battery life, usage modes, storage, maintenance, troubleshooting, warnings, and warranty information. Compatible with AAA batteries and the BD 1500 Li-ion rechargeable battery.</p>
	<p>Black Diamond Spot R LED Headlamp User Manual and Instructions</p> <p>Comprehensive instructions for the Black Diamond Spot R LED Headlamp, covering battery, modes, usage, troubleshooting, warranty, and safety information. Includes performance specifications and compliance details.</p>
	<p>Black Diamond Sprint LED Headlamp: User Instructions and Specifications</p> <p>Comprehensive instructions for the Black Diamond Sprint LED Headlamp, covering battery, charging, modes, specifications, troubleshooting, warnings, and warranty information.</p>
	<p>Black Diamond ICON LED Headlamp User Manual</p> <p>Comprehensive user manual for the Black Diamond ICON LED Headlamp, covering operation, maintenance, troubleshooting, and warranty information for optimal performance in outdoor activities.</p>