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> DARKBEAM 501B-S Red Light Flashlight Instruction Manual

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DARKBEAM 501B-S Red Light Flashlight Instruction Manual

Model: 501B-S

1. INTRODUCTION

The DARKBEAM 501B-S Red Light Flashlight is a versatile, rechargeable LED flashlight designed for various night activities. Its red light output is specifically chosen because animal eyes are less sensitive to red light, allowing for observation without disturbance. This manual provides detailed instructions for the proper use and maintenance of your flashlight.



Figure 1: Overview of the DARKBEAM 501B-S Red Light Flashlight and its features.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- DARKBEAM 501B-S Red Light Flashlight
- Rechargeable Lithium-Ion Battery
- USB Battery Charger
- Portable Lanyard
- Flashlight Cloth Bag



Figure 2: Included components with the DARKBEAM 501B-S Red Light Flashlight.

3. SETUP AND CHARGING

3.1 Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the rechargeable Lithium-Ion battery with the positive (+) end facing towards the flashlight head.
3. Screw the tail cap back on securely.

3.2 Battery Charging

The included battery is rechargeable. To charge the battery:

1. Remove the battery from the flashlight by unscrewing the tail cap.
2. Place the battery into the USB battery charger, ensuring correct polarity.
3. Connect the USB charger to a compatible USB power source (e.g., computer, wall adapter).
4. The charger's indicator light will show the charging status (typically red for charging, green for fully charged).
5. Once fully charged, remove the battery from the charger and reinstall it into the flashlight.

Note: The flashlight itself does not have a direct charging port. The battery must be removed and charged externally using the provided charger.



Figure 3: Flashlight and external battery charger.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the button on the tail cap to turn the flashlight on or off.

4.2 Adjusting Focus (Zoom Function)

The 501B-S Red Light Flashlight features a telescopic adjustment focus, allowing you to switch between a concentrated spotlight and a wide floodlight beam.

- **Spotlight Mode:** Extend the flashlight head forward to narrow the beam, concentrating the light for long-range illumination.
- **Floodlight Mode:** Retract the flashlight head backward to widen the beam, providing a broader area of uniform light.



Figure 4: Zoom function for spotlight and floodlight modes.



Figure 5: Physical adjustment for focus.

4.3 Red Light Benefits

The red LED light is particularly useful for activities such as hunting, fishing, and astrophotography. Animals are generally not spooked by red light, allowing for discreet observation. This feature helps in finding animals in the dark without disturbing their natural behavior.



Figure 6: Red light application examples.

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Video 1: Demonstration of the Red Light Flashlight's beam and functionality.

Your browser does not support the video tag.

Video 2: Further demonstration of the DARKBEAM 501BS-RED LIGHT Flashlight in use.

5. MAINTENANCE

5.1 Battery Care

The high-capacity rechargeable lithium battery is designed for extended use and can be recharged at least 10,000 times. To ensure optimal battery life:

- Charge the battery fully before first use.
- Avoid completely draining the battery before recharging.
- Store the flashlight and battery in a cool, dry place when not in use for extended periods.

5.2 Cleaning

Wipe the flashlight body with a soft, damp cloth as needed. Do not use abrasive cleaners or solvents. Keep

the lens clean for optimal light output.

5.3 Water Resistance

The flashlight features an IPX65 water-resistant rating. This means it is suitable for humid conditions and protected against water splashes from any direction. It is **not** suitable for submersion in water, swimming, or showering.



Figure 7: IPX65 Water Resistance.

6. TROUBLESHOOTING

- **Flashlight does not turn on:**
 - Ensure the battery is correctly installed with the positive (+) end facing the head.
 - Check if the battery is charged. If not, remove and charge it using the provided USB charger.
 - Verify the tail cap is screwed on tightly.
- **Light is dim or flickers:**
 - The battery may be low. Recharge the battery.
 - Ensure the battery contacts and flashlight contacts are clean.

- **Zoom function is stiff:**

- Clean any dirt or debris from the telescopic mechanism.
- Apply a small amount of silicone grease to the moving parts if necessary.

7. SPECIFICATIONS

Feature	Detail
Brand	DARKBEAM
Model Number	501B-S
Light Source Type	LED (R5 lamp beads)
Light Color	Red
Brightness	Up to 500 lumens
Special Feature	Adjustable Focus (Zoomable)
Power Source	Battery Powered
Battery Type	Lithium Ion (1 included)
Runtime	Approximately 3 hours (sustainable use)
Material	Aluminum
Water Resistance Level	IPX65 (Water Resistant)
Item Weight	130 Grams
Dimensions (D x W x H)	2.5"D x 3.5"W x 9"H

Note: Item dimensions from product data (2.5"D x 3.5"W x 9"H) may refer to packaging or maximum extended state. Actual flashlight dimensions are approximately 1.18" diameter x 4.80" length (retracted) to 0.94" diameter x 5.12" length (extended).

8. SAFETY INFORMATION

- Do not shine the red light directly into eyes, as it can cause temporary vision impairment.
- Keep out of reach of children.
- Do not attempt to disassemble or modify the flashlight, as this may void the warranty and pose a safety risk.
- Use only the specified battery type and charger.
- Dispose of batteries according to local regulations.

9. WARRANTY AND SUPPORT

DARKBEAM stands behind its products. The 501B-S Red Light Flashlight comes with a **180-Day Money Back Guarantee** and a **One Year Guarantee**.

For any questions, support, or warranty claims, please contact DARKBEAM customer service. Prompt and satisfying support is provided.

Manufacturer: DARKBEAM

