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Bushnell 613950

Bushnell Banner 3-9x50mm Riflescope User Manual

Model: 613950

Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Bushnell Banner 3-9x50mm Riflescope. Please read this manual thoroughly before using your riflescope to ensure optimal performance and longevity.
The Bushnell Banner 3-9x50mm Riflescope is designed for hunting in various light conditions, particularly excelling in low-light environments such as dusk and dawn. It features Dusk & Dawn Brightness (DDB) multi-coated lenses for enhanced clarity and brightness.

Package Contents

Upon opening the package, please verify that all components are present and undamaged:

- Bushnell Banner 3-9x50mm Riflescope (Matte Black, Multi-X Reticle)
- User Manual (Box 6 Language)

Setup and Mounting

Proper mounting is crucial for the accuracy and performance of your riflescope. It is recommended to have the riflescope mounted by a qualified gunsmith if you are unfamiliar with the process.

1. Mounting the Riflescope

Ensure your rifle is unloaded and pointed in a safe direction. Use appropriate scope rings and bases compatible with a Picatinny Mount system. Securely attach the rings to the rifle's mounting rail.



Image: Side view of the Bushnell Banner 3-9x50mm Riflescope, showing the main tube and adjustment turrets.

Place the riflescope into the lower half of the rings. Ensure the reticle is level and the eye relief is set correctly for your shooting position. The Bushnell Banner 3-9x50mm offers an eye relief of approximately 3.7 inches.

2. Adjusting Eye Relief

With the rifle shouldered, move the scope forward or backward in the rings until you achieve a full, clear field of view without any dark crescent shadows (vignetting) around the edges. Once the optimal eye relief is found, gently tighten the top halves of the scope rings, ensuring even pressure on all screws.

3. Reticle Leveling

Before final tightening, ensure the reticle is perfectly level with the rifle. This can be done using a reticle leveling tool or by aligning the vertical crosshair with a plumb line.



Image: Angled view of the Bushnell Banner 3-9x50mm Riflescope, highlighting the objective lens and magnification ring.

Operating the Riflescope

1. Magnification Adjustment

The Bushnell Banner 3-9x50mm Riflescope features a variable magnification from 3x to 9x. Rotate the magnification ring, located near the eyepiece, to adjust the desired power. The numbers on the ring indicate the current magnification setting.

2. Focus Adjustment (Diopter)

The eyepiece features a diopter adjustment to ensure the reticle is sharp and clear for your individual vision. Point the scope at a plain, bright background (like the sky) and quickly glance through the scope. While doing so, rotate the diopter ring until the reticle appears perfectly sharp. Avoid staring through the scope for too long during this adjustment, as your eye may compensate for blurriness.

3. Windage and Elevation Adjustments

The riflescope is equipped with windage (horizontal) and elevation (vertical) adjustment turrets. These turrets are typically capped to protect them from accidental adjustments and environmental elements. Remove the caps to access the adjustment dials.

- **Elevation Turret:** Located on top of the scope. Turning it clockwise typically moves the point of impact *down*, and counter-clockwise moves it *up*.
- **Windage Turret:** Located on the right side of the scope. Turning it clockwise typically moves the point of impact *right*, and counter-clockwise moves it *left*.

Each click of the turret corresponds to a specific change in point of impact at a given distance. Refer to your specific scope's specifications for click values (e.g., 1/4 MOA per click).



Image: Top-down view of the Bushnell Banner 3-9x50mm Riflescope, showing the adjustment turrets and objective lens.

4. Sighting In

Sighting in your riflescope is essential for accurate shooting. This process involves firing shots at a target and adjusting the windage and elevation turrets until the point of impact matches your point of aim. Always perform sighting in at a safe shooting range, following all safety protocols.

Maintenance and Care

Proper care will ensure the longevity and performance of your Bushnell riflescope.

1. Cleaning Lenses

Use a soft lens brush or compressed air to remove dust and loose debris from the lenses. For smudges or fingerprints, use a clean microfiber lens cloth and a small amount of lens cleaning solution. Wipe gently in a circular motion from the center outwards. **Never use harsh chemicals or abrasive materials on the lenses.**

2. Cleaning the Body

Wipe the exterior of the riflescope with a soft, damp cloth. For stubborn dirt, a mild soap solution can be used. Ensure the riflescope is completely dry before storage.

3. Storage

Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, consider using a desiccant packet to absorb moisture.

4. Waterproof and Fog-Proof Features

This riflescope features IPX7 waterproof construction, meaning it is O-ring sealed and can withstand immersion in three feet of water for up to 30 minutes. It is also Argon Purged for fog-proofing, ensuring stable performance regardless of ambient temperature. While these features provide robust protection, avoid unnecessary exposure to water or extreme temperature changes.

Troubleshooting

If you encounter issues with your riflescope, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Blurred Reticle	Improper diopter adjustment	Adjust the diopter ring until the reticle is sharp.
Blurred Image	Dirty lenses or improper focus	Clean lenses. Ensure proper eye relief.
Inconsistent Point of Impact	Loose mounting rings/bases, damaged scope, or ammunition issues	Check all mounting screws for tightness. If problem persists, contact Bushnell support.
Fogging Inside Scope	Extreme temperature changes or seal compromise	Allow scope to acclimate to temperature. If persistent, contact Bushnell support (scope is Argon purged).

Specifications

Brand	Bushnell
Model Name	613950
Style	Multi-X Reticle
Magnification	3-9x
Objective Lens Diameter	50 mm
Eye Relief	3.7 Inches
Field of View	65.24 Degrees
Item Weight	1.2 Pounds (approx. 0.54 kg)
Material	Blend

Mounting Type	Picatinny Mount
Waterproof Rating	IPX7 (O-ring sealed, submersible 3ft for 30min)
Fog-Proofing	Argon Purged
UPC	029757139504

Warranty and Support

For warranty information and customer support, please contact Bushnell directly. The product's warranty description states "Contact Manufacturer".
For further assistance or to inquire about repairs, please visit the official Bushnell website or refer to the contact information provided with your product packaging.

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