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Bushnell RP3940BS3

Bushnell 3-9x40 Rifle Scope Instruction Manual

Model: RP3940BS3

1. Introduction

Thank you for choosing the Bushnell 3-9x40 Rifle Scope. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new scope. Designed for hunting applications, this scope features a versatile 3-9x magnification range and a Multi-X reticle, offering reliable performance in various conditions. Please read this manual thoroughly before using your scope to ensure optimal performance and safety.

2. Safety Information

Always handle firearms and optics with extreme care. Adhere to all local and national firearm safety regulations. Ensure the firearm is unloaded and pointed in a safe direction before mounting, adjusting, or cleaning the scope. Never look directly at the sun or any intense light source through the scope, as this can cause permanent eye damage.

- Always confirm the firearm is unloaded before handling.
- Always point the firearm in a safe direction.
- Wear appropriate eye and ear protection when shooting.
- Keep fingers off the trigger until ready to fire.
- Be aware of your target and what is beyond it.

3. Package Contents

Your Bushnell 3-9x40 Rifle Scope package should contain the following items:

- Bushnell 3-9x40 Rifle Scope (Model: RP3940BS3)
- Lens Covers
- Cleaning Cloth
- Instruction Manual (this document)

4. Product Features

The Bushnell 3-9x40 Rifle Scope is engineered for reliability and clarity, featuring:

- **Versatile 3-9x Magnification:** Offers a wide range of magnification suitable for various hunting distances.
- **40mm Objective Lens:** Provides ample light gathering for bright, clear images.
- **Multi-X Reticle:** A classic, non-illuminated reticle design for quick target acquisition and precise aiming.
- **Durable Construction:** Built to withstand harsh outdoor conditions.
- **Adjustable Windage and Elevation Turrets:** For precise zeroing and shot correction.



Figure 4.1: Angled view of the Bushnell 3-9x40 Rifle Scope, showcasing its main body, objective lens, and eyepiece.

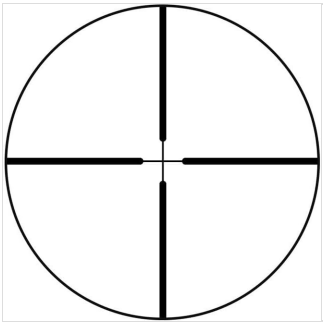

Figure 4.2: Illustration of the Multi-X reticle, featuring thick outer posts and a fine crosshair in the center for precise aiming.

5. Setup and Mounting

5.1 Mounting the Scope

Proper mounting is crucial for accuracy and consistent performance. The Bushnell 3-9x40 scope is designed for Picatinny Mount systems. Ensure your rifle has a compatible mounting base.

1. **Select Rings:** Use high-quality scope rings appropriate for your rifle and the scope's tube diameter (typically 1-inch for this model).
2. **Position Scope:** Place the scope in the lower half of the rings. Do not tighten the rings yet.
3. **Set Eye Relief:** With the rifle shouldered in your natural shooting position, slide the scope forward or backward until you achieve a full, clear field of view without any black crescent shadows (vignetting) around the edges. This is your optimal eye relief.
4. **Level Reticle:** Rotate the scope within the rings until the vertical crosshair of the reticle is perfectly plumb (vertical) with the rifle. A scope leveling tool is recommended for precision.
5. **Tighten Rings:** Once eye relief and reticle level are set, tighten the scope ring screws evenly and gradually, alternating between screws, until secure. Refer to your ring manufacturer's torque specifications. Do not

overtighten.



Figure 5.1: Side view of the scope, highlighting the magnification ring and adjustment turrets.

5.2 Focusing the Eyepiece (Diopter Adjustment)

The eyepiece (diopter) adjustment ensures the reticle is sharp and clear for your individual vision.

1. Point the scope at a plain, bright background (like a clear sky or a plain wall). Do not look at a target.
2. Quickly glance through the scope. If the reticle is blurry, turn the eyepiece adjustment ring (located at the rear of the scope) clockwise or counter-clockwise until the reticle appears perfectly sharp and crisp.
3. Avoid staring through the scope while adjusting, as your eye will naturally try to compensate for blurriness.

6. Operating the Scope

6.1 Magnification Adjustment

The Bushnell 3-9x40 scope features a variable magnification range. To change the magnification, rotate the power ring located near the eyepiece. The numbers on the ring indicate the current magnification setting (e.g., 3x, 9x).



Figure 6.1: Top-down view of the scope, showing the windage and elevation turrets.

6.2 Windage and Elevation Adjustment

The windage (horizontal) and elevation (vertical) turrets are used to zero the scope to your rifle and ammunition. These turrets are typically capped to protect them from accidental adjustments.

1. **Remove Caps:** Unscrew the protective caps from the windage (side) and elevation (top) turrets.
2. **Adjusting Elevation:** To move the point of impact UP, turn the elevation turret counter-clockwise. To move the point of impact DOWN, turn it clockwise.
3. **Adjusting Windage:** To move the point of impact RIGHT, turn the windage turret counter-clockwise. To move the point of impact LEFT, turn it clockwise.
4. **Click Values:** Each click of the turret typically represents a specific change in point of impact at 100 yards (e.g., 1/4 MOA per click). Refer to the scope's specifications for exact click values.

5. **Zeroing:** Perform zeroing at a shooting range, starting at a closer distance (e.g., 25 yards) and then moving to your desired zeroing distance (e.g., 100 yards). Shoot a group, observe the point of impact relative to your aim point, and make adjustments. Repeat until satisfied.
6. **Replace Caps:** Once zeroed, replace the turret caps to protect the settings.

7. Maintenance and Care

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

7.1 Cleaning Lenses

Lenses are delicate and require careful cleaning.

1. **Remove Dust:** Use a soft brush or compressed air to gently remove any loose dust or debris from the lens surfaces.
2. **Clean Smudges:** If smudges or fingerprints remain, use a clean, soft optical cleaning cloth (like the one provided) and a small amount of lens cleaning fluid specifically designed for optics. Apply the fluid to the cloth, not directly to the lens.
3. **Wipe Gently:** Wipe the lens surface gently in a circular motion, starting from the center and moving outwards.
4. **Avoid Abrasives:** Never use abrasive cloths, paper towels, or harsh chemicals, as these can scratch lens coatings.

7.2 Cleaning the Scope Body

Wipe the exterior of the scope with a soft, damp cloth to remove dirt or grime. Dry thoroughly. Avoid using solvents or harsh cleaners on the scope's finish.

7.3 Storage

Store your scope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided lens covers to protect the objective and eyepiece lenses when not in use.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Blurry Reticle	Improper diopter adjustment.	Re-adjust the eyepiece (diopter) as described in Section 5.2.
Blurry Image (Target)	Incorrect eye relief; dirty lenses.	Adjust eye relief (Section 5.1); clean lenses (Section 7.1).
Cannot Zero Scope	Loose mounting rings; damaged scope; incorrect zeroing procedure.	Check ring tightness; ensure proper mounting; review zeroing steps (Section 6.2). If issues persist, contact Bushnell support.
Point of Impact Shifts	Loose mounting; recoil; damaged scope.	Verify scope rings are securely tightened. If problem continues, seek professional inspection.

9. Specifications

Key specifications for the Bushnell 3-9x40 Rifle Scope (Model: RP3940BS3):

Feature	Detail
Brand	Bushnell
Model Name	RP3940BS3
Magnification	3-9x
Objective Lens Diameter	40 mm
Reticle Type	Multi-X
Color	Black
Material	Rubber
Item Weight	16 ounces
Eye Relief	3.5 Inches
Field Of View	13 Feet (at 100 yards)
Compatible Devices	Rifle
Mounting Type	Picatinny Mount
UPC	029757003935

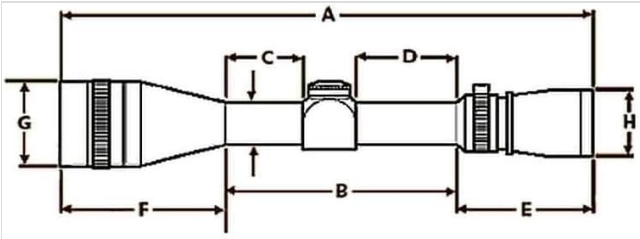

Figure 9.1: Dimensional diagram of the rifle scope, illustrating various measurements (A, B, C, D, E, F, G, H).

10. Warranty and Support

Bushnell products are manufactured to the highest standards and are designed to provide years of reliable service. For specific warranty details, registration, or technical support, please visit the official Bushnell website or contact their customer service department.

You can find more information and contact details by visiting theBushnell Store on Amazon.

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