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Bushnell RP3120SW

Bushnell 3-12x40 Prime Black Riflescope RP3120SW Instruction Manual

Model: RP3120SW

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Bushnell 3-12x40 Prime Black Riflescope, Model RP3120SW. Please read this manual thoroughly before using your riflescope to ensure optimal performance and safety.



Image: The Bushnell 3-12x40 Prime Black Riflescope, a versatile optic designed for various shooting applications.

WHAT'S IN THE BOX

Upon unpacking, verify that all components are present:

- Bushnell 3-12x40 Prime Black Riflescope
- BDC Turrets (Ballistic Drop Compensating)
- Lens Covers
- Cleaning Cloth
- Instruction Manual (this document)

SETUP

1. Mounting the Riflescope

The Bushnell Prime Riflescope is designed for use with a Picatinny Mount. Ensure the mount is securely attached to your rifle's receiver.

1. **Positioning:** Place the riflescope on the mount, ensuring proper eye relief. Eye relief is the distance between your eye and the eyepiece lens when you have a full field of view. This is crucial for safety and comfort.
2. **Ring Placement:** Secure the scope rings around the riflescope tube. Do not overtighten initially.
3. **Leveling:** Use a leveling tool to ensure the reticle is perfectly horizontal.
4. **Tightening:** Gradually tighten the scope ring screws in an alternating pattern to ensure even pressure. Refer to your mount manufacturer's specifications for torque settings.



Image: The riflescope showing the elevation and windage turrets, which are essential for zeroing and ballistic adjustments.

2. Focusing the Eyepiece (Diopter Adjustment)

The eyepiece allows you to adjust the focus of the reticle to your individual eye.

1. Point the scope at a clear, bright area (like a plain wall or the sky).
2. Look through the scope and quickly glance at the reticle.
3. Rotate the eyepiece (the ring closest to your eye) until the reticle appears sharp and clear. Avoid staring at the reticle for too long, as your eye may compensate for blurriness.
4. Once focused, the reticle should remain sharp regardless of magnification changes.

3. Adjusting Magnification

The magnification ring is located forward of the eyepiece. Rotate this ring to adjust the magnification from 3x to 12x.



Image: Top view of the riflescope, highlighting the magnification adjustment ring and the elevation turret.

OPERATING THE RIFLESCOPE

1. Windage and Elevation Adjustments (BDC Turrets)

Your riflescope features Ballistic Drop Compensating (BDC) turrets for precise adjustments. The elevation turret is on top, and the windage turret is on the right side of the scope. Each click of the turret moves the point of impact by a specific amount (e.g., 1/4 MOA).

- **Elevation Turret:** Adjusts the vertical point of impact. Rotate clockwise to move the impact down, counter-clockwise to move it up.
- **Windage Turret:** Adjusts the horizontal point of impact. Rotate clockwise to move the impact right, counter-clockwise to move it left.

Zeroing: To zero your rifle, fire a group of shots at a target. Observe where the shots impact relative to your aim point. Adjust the turrets to move the point of impact towards the center of the target. Repeat until satisfied.

2. Reticle Type: Multi-X

The Bushnell Prime Riflescope utilizes a Multi-X reticle. This is a classic duplex-style reticle, known for its clean sight picture and ease of use in various lighting conditions. It features a fine crosshair in the center for precise aiming, transitioning to thicker posts towards the edges for quick target acquisition.

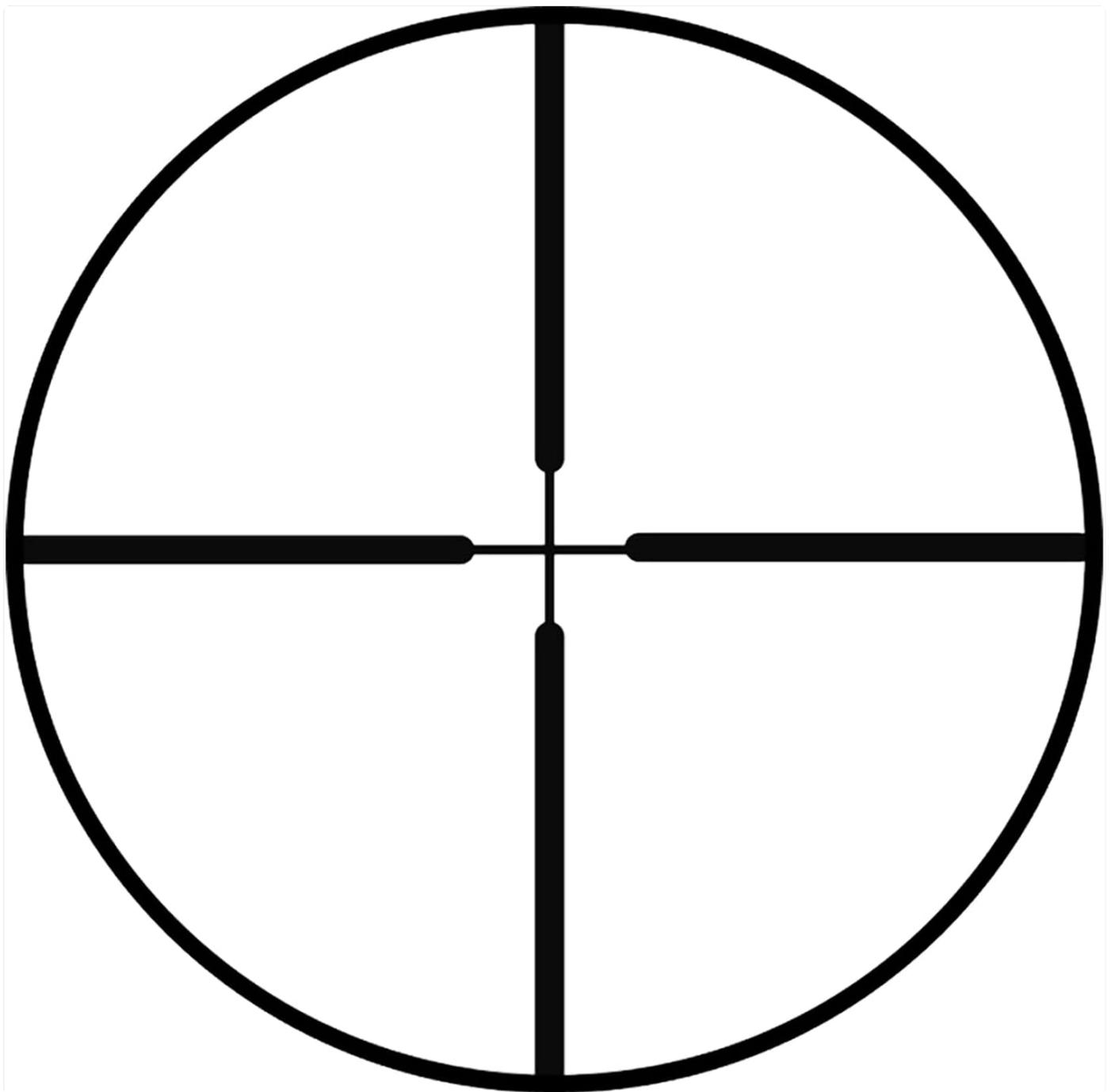


Image: Side view of the riflescope, showing the overall design and the windage turret.

MAINTENANCE

1. Cleaning the Lenses

To maintain optical clarity, keep the lenses clean.

- Use the provided lens cloth or a soft, lint-free cloth.
- Gently brush away any loose dust or debris.
- For stubborn smudges or fingerprints, use a small amount of lens cleaning fluid specifically designed for optics. Apply to the cloth, not directly to the lens.
- Avoid using harsh chemicals, abrasive cloths, or excessive pressure, as these can damage the lens coatings.

2. General Care and Storage

- Keep the lens covers on when the riflescope is not in use to protect the lenses from dust and scratches.

- Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the riflescope to severe impacts.
- Periodically check all mounting screws for tightness.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurred Reticle	Eyepiece not properly focused.	Adjust the diopter (eyepiece focus) as described in the "Focusing the Eyepiece" section.
Inaccurate Shots / Poor Zero Retention	Loose mounting rings or base; damaged scope; inconsistent shooting technique.	Check all mounting screws for tightness. Ensure proper torque. If problem persists, inspect scope for damage or consult a gunsmith.
Fogging Inside Lenses	Extreme temperature changes; seal compromise.	Allow scope to acclimate to ambient temperature. If fogging persists internally, contact Bushnell customer service as the seal may be compromised.
Difficulty Adjusting Turrets	Turrets are locked; debris in mechanism.	Ensure turrets are unlocked (if applicable, some BDC turrets have a locking mechanism). Gently clean around the turrets. Do not force adjustments.

SPECIFICATIONS

Feature	Detail
Brand	Bushnell
Model Name	RP3120SW
Magnification (Minimum)	3x
Magnification (Maximum)	12x
Objective Lens Diameter	40 Millimeters
Reticle Type	Multi-X
Mounting Type	Picatinny Mount
Compatible Devices	Rifle
Item Weight	16 ounces
Material	Blend
Sport	Hunting
Color	Multi
GTIN (UPC)	029757008848

WARRANTY AND SUPPORT

Warranty Information

For detailed warranty information regarding your Bushnell 3-12x40 Prime Black Riflescope, please [contact the manufacturer directly](#). Warranty terms and conditions may vary.

Customer Support

If you encounter any issues or have questions not covered in this manual, please visit the official Bushnell website or contact their customer support for assistance.

- **Bushnell Official Website:** www.bushnell.com
- **Support Contact:** Refer to the "Contact Us" section on the official website for phone numbers or email support.

