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Bushnell MP6245BF2

Bushnell Match PRO 6-24X50 Riflescope Instruction Manual

Model: MP6245BF2 | Brand: Bushnell

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Bushnell Match PRO 6-24X50 Riflescope. Designed for precision and reliability, this riflescope features a First Focal Plane (FFP) Deploy MIL Reticle, tool-less locking turrets, and fully multi-coated glass with EXO Barrier protection. Please read this manual thoroughly before using your riflescope to ensure optimal performance and safety.

PRODUCT OVERVIEW



Figure 1: The Bushnell Match PRO 6-24X50 Riflescope, a precision optic designed for competitive shooting and long-range applications.

The Bushnell Match PRO 6-24X50 Riflescope is engineered for accuracy and durability. Key features include:

- **First Focal Plane (FFP) Reticle:** Ensures reticle holdovers are accurate across all magnification settings.
- **Parallax Adjustment:** Adjustable down to 10 yards, suitable for engaging close targets.
- **10-MIL Turrets:** Simple base-10 system for precise adjustments.
- **18 MIL Travel Windage & Elevation:** Provides ample adjustment range for various shooting scenarios.
- **Tool-less Turret Reset:** Allows for quick and easy zero reset without additional tools.
- **Deploy MIL Reticle:** Etched glass dot reticle with elevation & windage holds.
- **Locking Turrets:** Large, tactile turrets with positive clicks prevent accidental adjustments.
- **Precision Ground Glass:** Fully multi-coated with Ultrawideband Coating for enhanced light transmission, color, and contrast, reducing flaring.
- **EXO Barrier Protection:** An advanced coating that repels water, oil, fog, dust, and debris.

SETUP

1. Mounting the Rifle Scope

Securely mount the Bushnell Match PRO riflescope to your rifle using appropriate Picatinny mount rings (not included). Ensure the scope is level and eye relief is set correctly for your shooting position. Refer to your rifle's manual for specific mounting instructions.

2. Fast Focus Eyepiece Adjustment

The fast focus eyepiece allows you to sharpen the reticle for your individual vision. To adjust:

1. Point the riflescope at a clear, bright area (e.g., a blank wall or the sky). Do not point it at the sun.
2. Look through the eyepiece and quickly glance at the reticle.
3. Adjust the eyepiece (typically by rotating it) until the reticle appears sharp and clear. Avoid staring at the reticle for too long, as your eye may compensate for blurriness.
4. Once the reticle is sharp, it should remain in focus for your eye.



Figure 2: Side view of the riflescope, showing the eyepiece and magnification ring.

3. Zeroing the Rifle Scope

Zeroing involves aligning the point of impact with the point of aim. The Match PRO features tool-less locking turrets for easy adjustments.

1. After mounting, fire a group of shots at your desired zero distance.
2. To adjust the turrets, pull up the turret cap. This unlocks the turret.
3. Rotate the elevation and windage turrets to move the point of impact to your desired zero. Each click represents 1/10th of a MIL.
4. Once adjustments are made, push the turret cap back down to lock it in place.
5. To reset the zero indicator after achieving your zero, pull up the turret cap, rotate the cap until the "0" aligns with the indicator mark, and then push the cap back down to lock. This allows for quick return to your established zero.



Figure 3: Detail of the tool-less locking turrets, allowing for quick and secure adjustments.

OPERATING THE RIFLESCOPE

1. Magnification Adjustment

The riflescope offers a magnification range from 6x to 24x. Rotate the magnification ring located near the eyepiece to adjust the zoom level. The First Focal Plane (FFP) reticle ensures that the reticle scales with the magnification, maintaining accurate holdovers.

2. Parallax Adjustment

Parallax is the apparent movement of the reticle relative to the target when the eye is moved off-axis. The Match PRO features a side parallax adjustment knob that can be set from 10 yards to infinity. Adjust this knob until the target and reticle appear sharp and in the same focal plane, eliminating parallax error. This wide range is particularly beneficial for close-range rimfire shooting.



Figure 4: The side parallax adjustment knob, allowing for precise focus from 10 yards to infinity.

3. Deploy MIL Reticle

The riflescope is equipped with an etched glass Deploy MIL Reticle. This reticle provides precise holdover points for elevation (up to 15 MIL) and windage (up to 10 MIL), aiding in accurate shot placement at various distances.

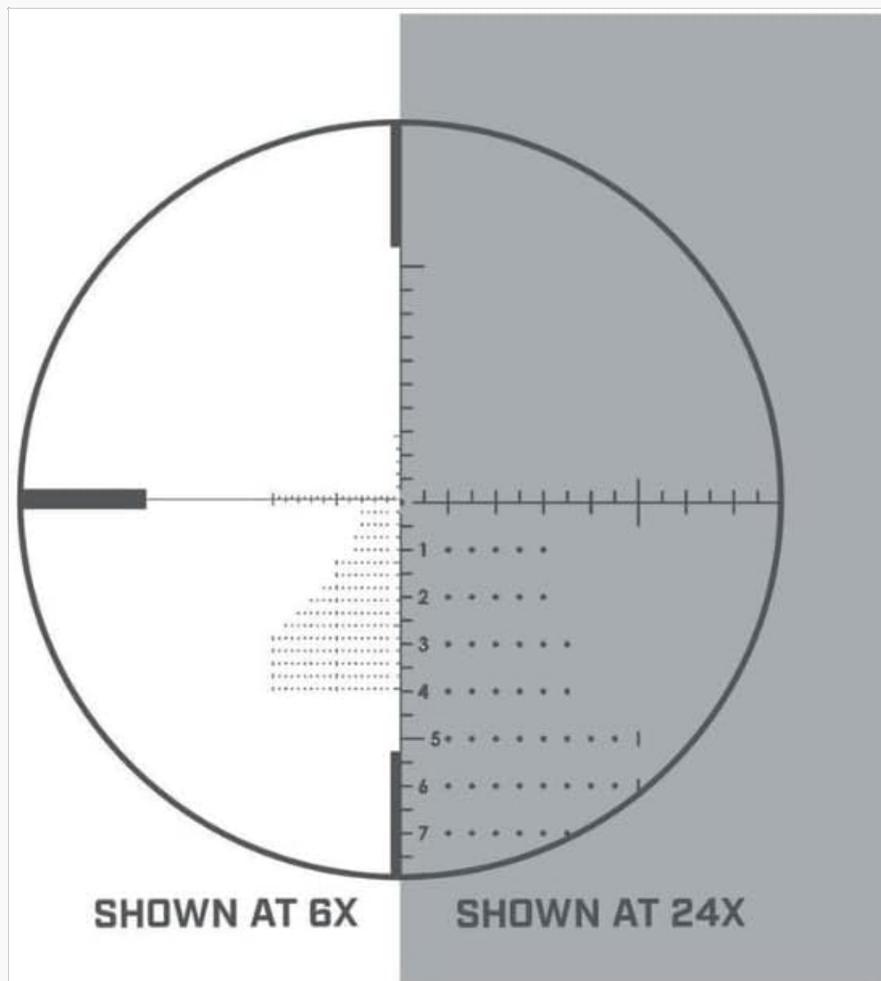


Figure 5: The Deploy MIL Reticle shown at 6x and 24x magnification, demonstrating its scaling in the First Focal Plane.

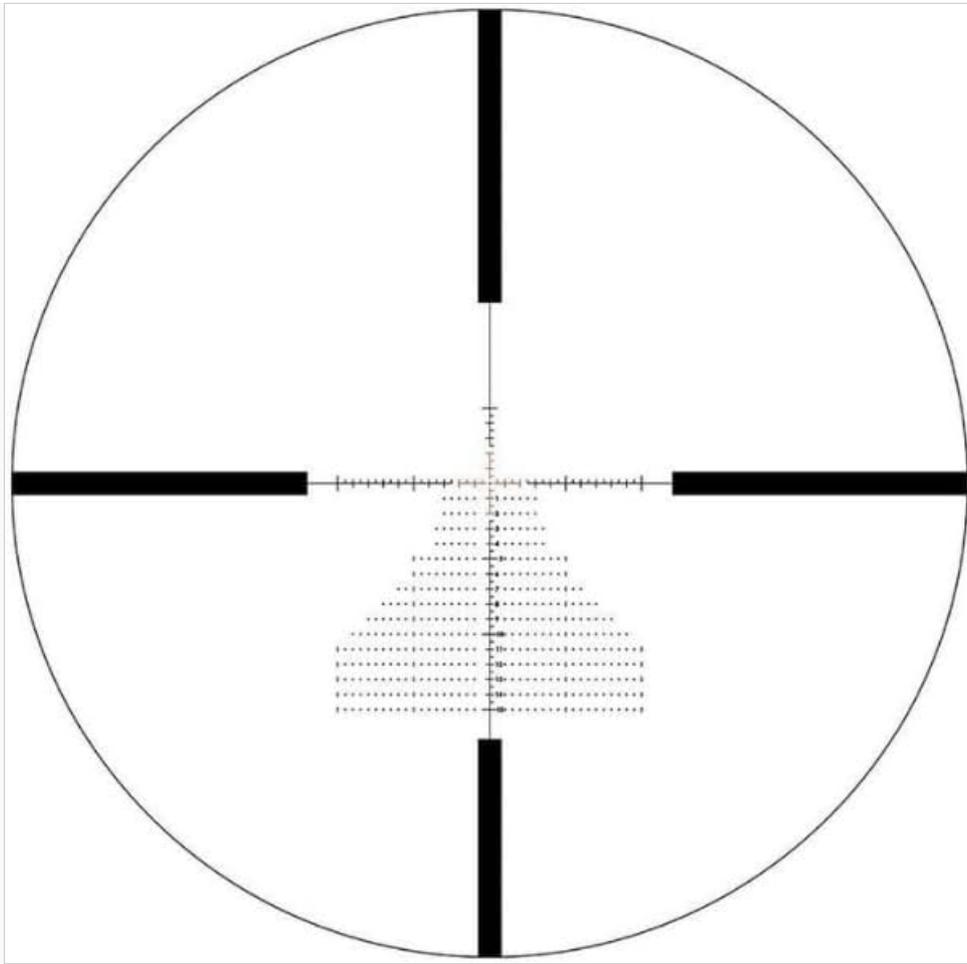


Figure 6: A detailed view of the Deploy MIL Reticle, highlighting its etched glass design and holdover points.

4. Illuminated Reticle

The Deploy MIL Reticle features illumination for improved visibility in low-light conditions. The illumination control is typically integrated with the parallax knob or a separate dial. Adjust the brightness to your preference. The design includes "off" positions between each brightness setting to quickly turn off illumination without cycling through all levels.

MAINTENANCE

1. Cleaning Lenses

Use a soft, lint-free cloth or lens brush to remove dust and loose debris. For smudges or fingerprints, use a lens cleaning solution and a clean microfiber cloth. Avoid using harsh chemicals or abrasive materials that could damage the lens coatings.

2. EXO Barrier Protection

Your Bushnell Match PRO riflescope features EXO Barrier protection on the exterior lens surfaces. This proprietary coating repels water, oil, fog, dust, and debris, ensuring clear views in challenging conditions. While durable, proper cleaning practices should still be followed to maintain its effectiveness.

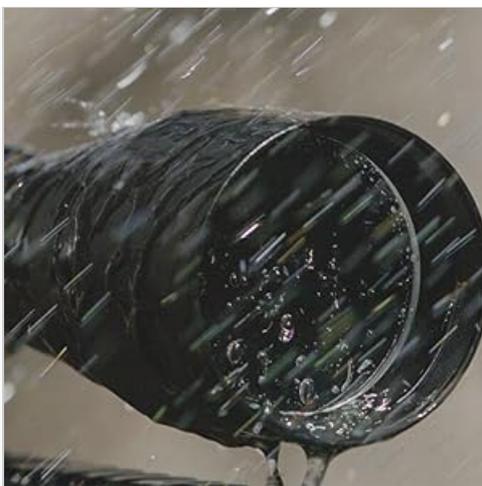


Figure 7: The EXO Barrier coating repels water, keeping the lens clear in wet conditions.

3. General Care

Store the riflescope in a dry, cool place when not in use. Avoid exposing it to extreme temperatures or direct sunlight for prolonged periods. Always use lens caps to protect the objective and eyepiece lenses from scratches and dust.

TROUBLESHOOTING

If you encounter issues with your riflescope, consider the following common troubleshooting steps:

- **Blurred Reticle:** Re-adjust the fast focus eyepiece as described in the Setup section.
- **Blurred Target:** Adjust the parallax knob until the target appears sharp.
- **Inaccurate Shots:** Verify that the riflescope is securely mounted and that the turrets are locked after adjustment. Check your zero.
- **Illumination Not Working:** Check the battery and ensure it is correctly installed. Adjust the illumination dial.

For further assistance, please contact Bushnell customer support.

SPECIFICATIONS

Feature	Specification
Brand	Bushnell
Model Name	Match Pro
Magnification Minimum	6 x
Magnification Maximum	24 x
Objective Lens Diameter	50mm
Reticle Type	First Focal Plane, Deploy MIL, Etched Glass

Feature	Specification
Tube Diameter	30mm
Parallax Adjustment	10 Yards to Infinity
Windage & Elevation Travel	18 MIL
Turret Type	Tool-less Locking, Tactile Clicks
Lens Coating	Fully Multi-Coated with Ultrawideband Coating
Protective Coating	EXO Barrier
Material	Glass
Mounting Type	Picatinny Mount
Item Package Dimensions	16.42 x 5.35 x 3.82 inches
Package Weight	1.2 Kilograms
UPC	029757006400

ADDITIONAL RESOURCES

Product Features Video

Your browser does not support the video tag.

Video 1: An overview of the Bushnell Match PRO riflescope's key features and functionalities. This video demonstrates various aspects of the scope's design and operation.

WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please visit the official Bushnell website or contact their customer service department. Keep your purchase receipt for warranty claims.