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Bushnell E6241

Bushnell Elite 6-24X40 Rifle Scope User Manual

Model: E6241
Brand: Bushnell

Introduction

The Bushnell Elite 6-24x40 Rifle Scope is engineered for precision and clarity in various lighting and weather conditions. It features advanced optical coatings and a robust design to ensure reliable performance for long-range varmint, silhouette, and target shooting.

Key Features

- Ultra-bright riflescope with 6 to 24x magnification and 40mm objective lens.
- Fully multicoated optics delivering 95-percent light transmission.
- Treated with RainGuard HD permanent water-repellant coating for clear views in adverse weather.
- One-piece tube recoil tested for durability.
- 100-percent waterproof and argon-purged housing for fogproof performance.
- Mil-Dot reticle for precise aiming.
- Semi-target turrets and adjustable objective.
- 1/8 MOA or finer fingertip audible and resettable windage and elevation adjustment.

Specifications

Specification	Value
Finish	Matte
Magnification	6 to 24x

Specification	Value
Objective Lens	40mm
Lens Coating	Fully multicoated
Reticle	Mil Dot
RainGuard HD	Yes
Exit Pupil	6.7mm (6x), 1.7mm (24x)
Eye Relief	4.6 inches
Waterproof/Fogproof	Yes
Click Value	0.125 inches @ 100 yards
Adjustment Range	26 inches @ 100 yards
Field of View	18 feet @ 100 yards (6x), 4.5 feet @ 100 yards (24x)
Length	13 inches
Weight	17.5 ounces

Setup and Mounting

Proper mounting of your Bushnell Elite Rifle Scope is crucial for accuracy and consistent performance. It is recommended to have the scope mounted by a qualified gunsmith to ensure correct alignment and secure attachment to your rifle.

Mounting Steps (General Guidelines):

1. **Choose Appropriate Rings:** Select high-quality scope rings that match the diameter of your scope's main tube and your rifle's mounting system.
2. **Secure the Base:** Ensure the scope base is firmly attached to the rifle's receiver according to the manufacturer's instructions.
3. **Position the Scope:** Place the scope in the rings, ensuring proper eye relief. This is the distance between your eye and the eyepiece when the scope is mounted and you are in a comfortable shooting position.
4. **Level the Reticle:** Use a leveling tool to ensure the reticle is perfectly horizontal. This prevents windage adjustments from causing vertical shifts.
5. **Tighten Rings:** Gradually tighten the ring screws evenly to secure the scope without overtightening, which can damage the scope tube. Refer to ring manufacturer's torque specifications.



Image: The Bushnell Elite 6-24X40 Rifle Scope, showcasing its sleek black finish and adjustable turrets.

Operating Instructions

Magnification Adjustment:

The magnification ring is located near the eyepiece. Rotate this ring to adjust the magnification from 6x to 24x, allowing you to zoom in or out on your target.

Focusing (Adjustable Objective):

The adjustable objective (AO) parallax knob is located on the side of the scope. Rotate this knob to bring the target into sharp focus and eliminate parallax error at various distances. Match the distance setting on the AO knob to your target's actual distance for optimal clarity and accuracy.

Windage and Elevation Adjustments:

The windage (horizontal) and elevation (vertical) adjustment turrets are located on the top and side of the scope. These turrets feature audible and resettable clicks, with each click representing 1/8 MOA (Minute of Angle) or finer adjustment at 100 yards. To adjust, remove the turret caps and rotate the turrets as needed. Clockwise rotation typically moves the point of impact down or right, while counter-clockwise moves it up or left.

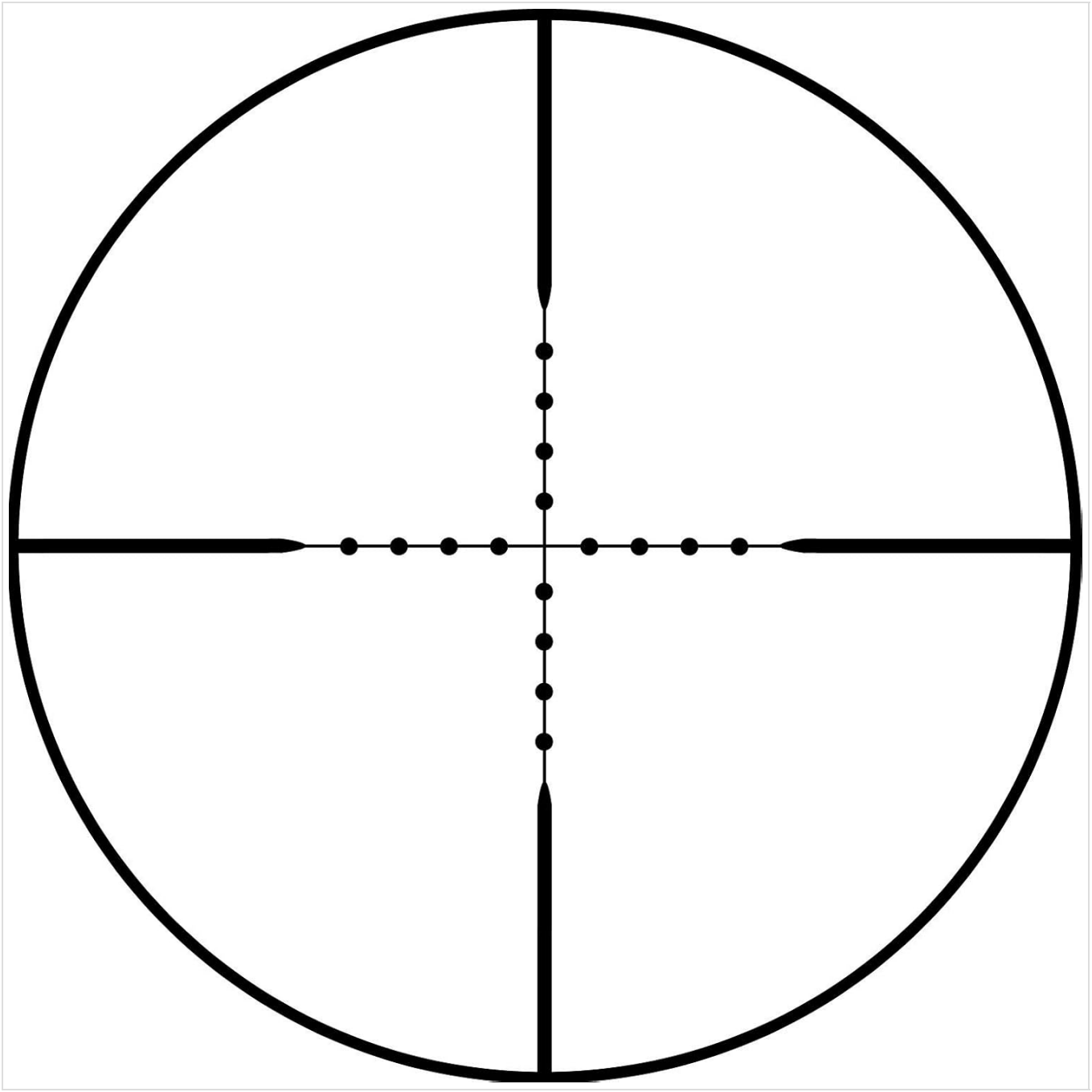

Image: A detailed view of the Mil-Dot reticle, used for range estimation and holdover/holdoff adjustments.

Mil-Dot Reticle Usage:

The Mil-Dot reticle provides reference points for range estimation and bullet drop compensation. Consult a ballistic calculator or a detailed Mil-Dot usage guide for specific applications based on your ammunition and rifle.

Care and Maintenance

- **Lens Cleaning:** Use a soft, lint-free cloth or a lens brush to remove dust. For smudges, use a lens cleaning solution specifically designed for optical lenses. Avoid using harsh chemicals or abrasive materials.
- **Exterior Cleaning:** Wipe the exterior of the scope with a damp cloth to remove dirt and debris. Dry thoroughly.
- **Storage:** Store the scope in a cool, dry place, preferably in its original packaging or a protective case, to prevent dust accumulation and accidental damage.
- **RainGuard HD:** The RainGuard HD coating repels water, but it is still advisable to wipe off excess moisture after exposure to rain or snow to maintain optimal clarity.

Troubleshooting

Problem	Possible Cause	Solution
Blurred Image	Improper focus or parallax setting.	Adjust the adjustable objective (AO) knob to match the target distance. Ensure the eyepiece is properly focused for your eye.
Inconsistent Point of Impact	Loose mounting rings or base; damaged scope; inconsistent shooting technique.	Check all mounting screws for proper torque. Inspect the scope for any visible damage. Practice consistent shooting fundamentals.
Fogging Inside Scope	Extreme temperature changes or seal compromise.	The scope is argon-purged and waterproof. If internal fogging occurs, contact Bushnell customer support as this indicates a seal issue.

Product Overview Video

▶ **Watch video online**
Bushnell Elite 4-16X50 Rifle Scope, Multi-X Reticle

Video: An official Bushnell video highlighting the features and performance of the Bushnell Elite series rifle scopes, including their low-light capabilities and weather resistance.

Warranty and Support

Bushnell products are manufactured to the highest standards and are designed to provide years of reliable performance. For detailed warranty information, product registration, or technical support, please visit the official Bushnell website or contact their customer service department. Keep your proof of purchase for warranty claims.

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