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Bushnell Trophy 4-12x40

Bushnell Trophy 4-12x40 Riflescope User Manual

Model: Trophy 4-12x40

Introduction

The Bushnell Trophy 4-12x40 Riflescope is engineered for maximum accuracy and reliability, designed to meet various shooting needs. It features multi-coated, high-contrast, amber-bright optics for enhanced brightness in low-light conditions, such as dawn or dusk. The fast-focus eyepiece and wide-angle field of view facilitate quick target acquisition.
Key features include finger-adjustable and resettable 1/4 M.O.A. click windage and elevation adjustments, and an easy-grip oversized power change ring for rapid magnification changes. The one-piece body tube construction ensures waterproof, fogproof, and shockproof performance.

- **Recommended Use:** All-Purpose Big Game Hunting (Deer, Antelope, Elk, Etc.), Varmint Hunting (Wood Chucks, Prairie Dogs, Coyotes).
- **Finish:** Matte black.
- **Optics:** Multi-coated objective lens for clear viewing.
- **Adjustments:** Easy-grip oversized power change ring for magnification.
- **Durability:** One-piece body tube construction provides waterproof, fogproof, and shockproof performance.

Product Overview



Image: The Bushnell Trophy 4-12x40 Riflescope, shown from an angled perspective, highlighting its main body, adjustment turrets, and objective lens. Below the riflescope, a diagram of a standard crosshair reticle is displayed, indicating the aiming point within the scope's view.

This image displays the Bushnell Trophy 4-12x40 Riflescope, a precision optical instrument designed for various hunting and shooting applications. The riflescope features a durable, matte black finish and a robust one-piece body tube. Visible components include the ocular lens (eyepiece) at the rear, the magnification adjustment ring, the windage and elevation adjustment turrets located centrally, and the objective lens at the front. The accompanying reticle diagram illustrates the internal aiming pattern, typically a Multi-X reticle, which assists in precise targeting.

Setup and Mounting

Proper mounting of your riflescope is crucial for accuracy and consistent performance. It is recommended to have this procedure performed by a qualified gunsmith, or follow these general guidelines carefully.

1. **Mounting Rings:** Select appropriate mounting rings that match your rifle's receiver and the riflescope's tube diameter. Ensure the rings are securely fastened to the rifle.
2. **Positioning the Riflescope:** Place the riflescope into the lower half of the mounting rings. Adjust the riflescope forward or backward to achieve proper eye relief. Eye relief is the distance between your eye and the ocular lens when the full field of view is visible. This is critical for safety and comfort.
3. **Leveling the Reticle:** Rotate the riflescope within the rings until the vertical crosshair of the reticle is perfectly vertical and the horizontal crosshair is perfectly horizontal. Use a leveling tool for precision.
4. **Securing the Rings:** Once eye relief and reticle alignment are set, carefully tighten the top halves of the mounting rings. Tighten screws evenly and incrementally to avoid stressing the scope tube. Refer to the ring manufacturer's torque specifications.
5. **Bore Sighting:** Before live firing, bore sight the riflescope. This initial alignment helps get shots on paper quickly and reduces the number of live rounds needed for zeroing.

Operating Instructions

Understanding the functions of your Bushnell Trophy Riflescope will enhance your shooting experience.

Focusing the Eyepiece

The fast-focus eyepiece allows for quick and precise reticle focus.

1. Point the riflescope at a plain, bright background (like a wall or the sky).
2. Look through the eyepiece and quickly glance at the reticle.
3. If the reticle is not sharp, rotate the eyepiece (the ring closest to your eye) until the reticle appears crisp and clear.
4. Avoid staring at the reticle for too long, as your eye will compensate for slight blurriness.

Adjusting Magnification

The Bushnell Trophy 4-12x40 Riflescope features a variable magnification range from 4x to 12x.

- To change magnification, grasp the easy-grip oversized power change ring located just forward of the eyepiece.
- Rotate the ring to the desired magnification setting (e.g., 4x for wide field of view, 12x for detailed viewing at long range).

Windage and Elevation Adjustments

The riflescope features finger-adjustable and resettable 1/4 M.O.A. click adjustments for windage (horizontal) and elevation (vertical).

- **Elevation Turret:** Located on top of the riflescope. Turning it typically moves the point of impact up or down.
- **Windage Turret:** Located on the right side of the riflescope. Turning it typically moves the point of impact left or right.
- Each "click" represents a 1/4 Minute of Angle (M.O.A.) adjustment, meaning at 100 yards, one click will shift the point of impact by approximately 1/4 inch.
- After zeroing, the turrets can be reset to "0" by lifting and rotating the turret cap, allowing for easy return to your zero setting.

Maintenance and Care

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

- **Cleaning Lenses:** Use a soft, clean optical cloth or lens brush to remove dust and loose debris. For smudges or fingerprints, use a lens cleaning fluid specifically designed for optics and apply it to the cloth, not directly to the lens.
- **Cleaning Body:** Wipe the riflescope body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the riflescope in a cool, dry place, preferably in its original packaging or a protective case. Avoid extreme temperatures and high humidity.
- **Waterproof/Fogproof:** While the riflescope is waterproof and fogproof, it is still advisable to dry it thoroughly if it gets wet and avoid rapid temperature changes that could lead to internal condensation.

Troubleshooting

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

Problem	Possible Cause	Solution
Blurred Image/Reticle	Eyepiece not focused; dirty lenses.	Adjust eyepiece focus; clean lenses with optical cloth.

Problem	Possible Cause	Solution
Inaccurate Shots/Poor Zero Retention	Loose mounting rings; damaged scope; improper zeroing.	Check and tighten mounting rings; re-zero the scope; if problem persists, seek professional inspection.
Limited Field of View	Incorrect eye relief; high magnification setting.	Adjust scope position for proper eye relief; reduce magnification.
Fogging Inside Lenses	Extreme temperature changes; seal compromise.	Allow scope to acclimate to temperature; if persistent, contact Bushnell support.

Specifications

Feature	Detail
Brand	Bushnell
Model Name	Trophy
Part Number	#734124M
UPC	029757734129
Magnification Minimum	4x
Magnification Maximum	12x
Objective Lens Diameter	40mm
Eye Relief	3 Inches
Field Of View	7 Feet (at 100 yards)
Reticle Type	Multi-X
Color	Black
Material	Wood (This seems incorrect for a riflescope body, likely a data error. Assuming metal/aluminum for scope body.)
Item Weight	0.01 Ounces (This is also likely incorrect, possibly a placeholder or unit error. Riflescopes typically weigh 1-2 lbs.)
Item Package Dimensions	16.4 x 3.3 x 2.5 inches
Package Weight	1.6 Pounds
Mounting Type	Ring Mount
Waterproof/Fogproof/Shockproof	Yes (One-piece body tube construction)

Note: Some specifications like "Material: wood" and "Item Weight: 0.01 Ounces" appear to be data entry errors and may not accurately reflect the product. Riflescopes are typically made of aluminum alloys and weigh significantly more than 0.01 ounces.

Warranty and Support

Bushnell stands behind its products. For specific warranty information, including duration and coverage details, please refer to the warranty card included with your product or visit the official Bushnell website. Keep your proof of purchase for warranty claims.

For technical support, service, or parts, please contact Bushnell Customer Service. Contact information can typically be found on the Bushnell website or within the product packaging.

Bushnell Official Website: www.bushnell.com

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Answered questions about this manual

Can an individual use the reticle on the Bushnell Trophy 4-12x40 riflescope to range objects or targets?

Based on the product specifications for the Bushnell Trophy 4-12x40 (Model #734124M), this riflescope typically features a Multi-X reticle. Unlike specialized MIL-dot or BDC (Bullet Drop Compensator) reticles, a standard Multi-X reticle is not...

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