

Bushnell 887520B

Bushnell Trophy Xtreme 20-60x65mm Spotting Scope Instruction Manual

1. INTRODUCTION

Thank you for choosing the Bushnell Trophy Xtreme 20-60x65mm Spotting Scope. This high-performance optical instrument is engineered for superior clarity and durability, making it ideal for target shooting, bird watching, hunting, and general outdoor observation. Its robust, all-weather design ensures reliable performance in various environmental conditions.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your Bushnell Trophy Xtreme spotting scope.



Figure 2.1: The Bushnell Trophy Xtreme 20-60x65mm Spotting Scope, shown mounted on a compact tripod. This image highlights the overall design, including the objective lens with its protective cap, the main body, and the angled eyepiece.

- **Eyepiece:** The part you look through, featuring adjustable magnification and focus.

- **Magnification Adjustment Ring:** Located on the eyepiece, used to change the magnification from 20x to 60x.
- **Focus Wheel:** Adjusts the focus for a clear image.
- **Objective Lens:** The large lens at the front of the scope that gathers light.
- **Objective Lens Cap:** Protects the objective lens when not in use.
- **Tripod Mounting Collar:** Allows the scope to be attached to a tripod for stable viewing.
- **Rubber Armor:** Provides protection and a secure grip.



Figure 2.2: Side profile of the spotting scope, illustrating the robust rubber armor and the position of the focus wheel for easy access during observation.



Figure 2.3: Close-up of the angled eyepiece and magnification adjustment ring, showing the textured grip for precise control.





Figure 2.4: Front view of the spotting scope, highlighting the large 65mm objective lens, which is crucial for light gathering and image brightness.

3. SETUP

1. **Attach to Tripod:** Secure the spotting scope to a stable tripod using the tripod mounting collar. Ensure the connection is tight to prevent movement during observation.

2. **Remove Lens Caps:** Carefully remove the objective lens cap and the eyepiece cap.
3. **Positioning:** Adjust the tripod height and angle to a comfortable viewing position. The 45-degree angled eyepiece provides ergonomic viewing for extended periods.

4. OPERATING INSTRUCTIONS

4.1 Adjusting Magnification

Rotate the **Magnification Adjustment Ring** on the eyepiece to select your desired magnification level, ranging from 20x to 60x. Start with a lower magnification (20x) to locate your subject, then increase as needed for more detail.

4.2 Focusing

Once you have selected your magnification, turn the **Focus Wheel** (located on the main body of the scope) until the image appears sharp and clear. Fine-tune the focus for optimal clarity.

4.3 Eyepiece Adjustment

The eyepiece features a twist-up eyecup. If you wear eyeglasses, twist the eyecup down to view the full field of view. If you do not wear eyeglasses, twist the eyecup up for comfortable viewing.

4.4 Weather Resistance

Your Bushnell Trophy Xtreme spotting scope features IPX7 waterproof construction, nitrogen purging, and O-ring sealed optics. This design ensures the scope remains protected from water and internal fogging, allowing for reliable use in wet or humid conditions.

5. MAINTENANCE

5.1 Cleaning Lenses

Use only a soft, clean microfiber cloth specifically designed for optical lenses. Gently wipe the lens surfaces to remove dust or smudges. For stubborn dirt, a small amount of lens cleaning fluid applied to the cloth (not directly to the lens) can be used. Avoid using abrasive materials or excessive force, as this can scratch the lens coatings.

5.2 Storage

When not in use, always replace the objective lens cap and eyepiece cap. Store the spotting scope in its protective case in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid storing in areas with high humidity.

6. TROUBLESHOOTING

- **Blurry Image:** Ensure the focus wheel is properly adjusted for your viewing distance. Check that the magnification is not set too high for current light conditions.
- **Dark Image:** Verify that the objective lens cap has been fully removed. Ensure there is sufficient ambient light for observation.
- **Difficulty Focusing:** Make sure the eyepiece is correctly adjusted for your vision (eyecup up or down).
- **Internal Fogging:** While the scope is nitrogen purged, extreme temperature changes can sometimes

cause temporary external condensation. Allow the scope to acclimate to the ambient temperature. If internal fogging persists, contact customer support.

7. SPECIFICATIONS

Model Number:	887520B
Magnification:	20-60x
Objective Lens Diameter:	65mm
Lens Coating:	Fully Multi-Coated
Waterproof Rating:	IPX7 (Nitrogen Purged, O-ring Sealed)
Field of View:	Varies with magnification
Dimensions (L x W x H):	31.1 x 18.4 x 15.2 cm (12.25 x 7.25 x 6 inches)
Weight:	1.07 kg (37.9 oz)
Color:	Black

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Bushnell website or contact Bushnell customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Bushnell Official Website: www.bushnell.com