Leapers Inc BugBuster

UTG 3-9X32 1" BugBuster Scope User Manual

Model: BugBuster

Introduction

The UTG 3-9X32 1" BugBuster Scope is engineered for precision and durability, built on a True Strength Platform. It is completely sealed and nitrogen filled, ensuring shockproof, fogproof, and rainproof performance. This manual provides essential information for the proper setup, operation, and maintenance of your BugBuster scope to ensure optimal aiming and shooting performance.

Product Features

- **Construction:** Built on True Strength Platform, completely sealed and nitrogen filled for shockproof, fogproof, and rainproof reliability.
- **Optics:** 1-inch tube with emerald coated lenses for crystal clear views and maximum light transmission.
- **Turrets:** Premium zero lockable and zero resettable target turrets with consistent and precise 1/4 MOA per click adjustment.
- **Reticle:** Range estimating Mil-dot reticle for optimal aiming and shooting performance.
- **Parallax Adjustment:** Adjustable Objective (AO) from 3 yards to infinity to achieve a parallax-free view.
- **Illumination:** Red/Green dual illumination for versatile applications and various weather/light conditions.
- **Field of View:** Large field of view (wide angle) and accommodating eye relief for critical close-quarters battle (CQB) missions.
- **Accessories:** Includes a 2" sunshade, high-quality flip-open lens caps, and quick-detachable rings.

Package Contents

Upon opening the package, please verify that all items are present and in good condition:

- UTG 3-9X32 1" BugBuster Scope
- 2" Sunshade
- Flip-open Lens Caps
- Quick-detachable (QD) Rings
- User Manual (this document)

Setup

1. Mounting the Scope

The BugBuster scope comes with quick-detachable (QD) rings for easy mounting. Ensure your rifle has a compatible Picatinny/Weaver rail. Loosen the QD levers, place the scope with rings onto the rail, and then tighten the levers securely. Position the scope to achieve optimal eye relief before fully tightening the rings.



Image: The UTG 3-9X32 BugBuster Scope, showing its main body, objective lens, ocular lens, magnification ring, parallax adjustment, and windage/elevation turrets. The quick-detachable rings are designed for secure mounting.

2. Adjusting Parallax (Adjustable Objective - AO)

The Adjustable Objective (AO) ring, located on the front of the scope, allows for parallax correction from 3 yards to infinity. To adjust, rotate the AO ring until the image and reticle appear sharp and parallax-free at your target distance. This ensures the point of aim does not shift relative to the target when your eye position changes slightly.

3. Battery Installation for Reticle Illumination

The scope features red/green dual illumination. To install or replace the battery:

1. Unscrew the illumination turret cap, typically located on the left side of the scope.
2. Insert a new CR2032 battery with the positive (+) side facing outwards.
3. Securely screw the cap back on, ensuring a tight seal to maintain waterproof integrity.

Operating

1. Magnification Adjustment

The magnification ring is located near the ocular lens. Rotate this ring to adjust the magnification from 3x to 9x, allowing you to zoom in or out on your target.

2. Reticle Illumination

The illumination turret controls the brightness and color of the reticle. Rotate the dial to select between red and green illumination, and adjust the brightness levels to suit ambient light conditions. Turn the dial to the 'off' position when not in use to conserve battery life.

3. Windage and Elevation Adjustment

The scope features premium zero lockable and zero resettable target turrets for windage (horizontal adjustment) and elevation (vertical adjustment). Each click provides a precise 1/4 MOA adjustment.

- **Adjusting:** To make adjustments, pull up the turret cap. Rotate the turret in the indicated direction (U for Up, D for Down, L for Left, R for Right) to move the point of impact.
- **Locking:** Once adjustments are made, push the turret cap down to lock it in place, preventing accidental changes.
- **Zero Reset:** After zeroing your scope, you can reset the turrets to '0'. Pull up the turret cap, rotate it until the '0' aligns with the indicator mark, and then push it back down to lock. This allows for quick reference to your zero setting.

4. Range Estimation with Mil-dot Reticle

The Mil-dot reticle allows for range estimation. Consult specific Mil-dot ranging formulas and techniques to effectively use this feature. Practice is recommended to accurately estimate distances using the reticle's markings.

Maintenance

1. Cleaning Lenses

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

2. General Care

Regularly inspect the scope for any loose parts or damage. Keep the flip-open lens caps closed when not in use to protect the lenses. The scope is shockproof and rainproof, but avoid unnecessary exposure to extreme conditions or impacts.

3. Storage

Store the scope in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery to prevent leakage.

Troubleshooting

- **Blurry Image:** Ensure the parallax (AO) is correctly adjusted for your target distance and the diopter on the ocular lens (if present) is set for your eye.
- **Reticle Not Illuminating:** Check the battery. Ensure it is correctly installed with the positive (+) side facing out and that it is not depleted. Replace if necessary.
- **Inconsistent Zero:** Verify that the scope rings are securely tightened to the rifle and the scope itself. Ensure the zero lockable turrets are pushed down to lock after adjustment. Check for any damage to the scope or mounting system.

- **Fogging:** While the scope is fogproof, extreme temperature changes can sometimes cause external condensation. Allow the scope to accustom or wipe external surfaces. Internal fogging indicates a seal breach and requires professional service.

Specifications

Model Name	BugBuster
Magnification	3-9X
Objective Lens Diameter	32mm
Tube Diameter	1 Inch
Reticle Type	Mil-dot (Range Estimating)
Illumination	Red/Green Dual Illumination
Parallax Adjustment	Adjustable Objective (AO) from 3 Yards to Infinity
Click Value	1/4 MOA
Turrets	Zero Lockable and Zero Resettable Target Turrets
Material	Aluminum
Environmental Protection	Shockproof, Fogproof, Rainproof (Nitrogen Filled)
Compatible Devices	Rifle
Mounting Type	Ring Mount (Quick-detachable rings included)

Warranty and Support

Leapers Inc. products are backed by a manufacturer's warranty. For specific warranty details, claims, or technical support, please refer to the official Leapers Inc. website or contact their customer service directly. Keep your purchase receipt as proof of purchase.