

CVLIFE 3-9x40AO

CVLIFE 3-9x40AO Rifle Scope Instruction Manual

Model: 3-9x40AO

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your CVLIFE 3-9x40AO Rifle Scope. Designed for versatility and reliability, this optic features a 3-9x adjustable magnification, a 40mm objective lens, and an R4 reticle crosshair. Please read this manual thoroughly before using your scope to ensure safe and optimal performance.



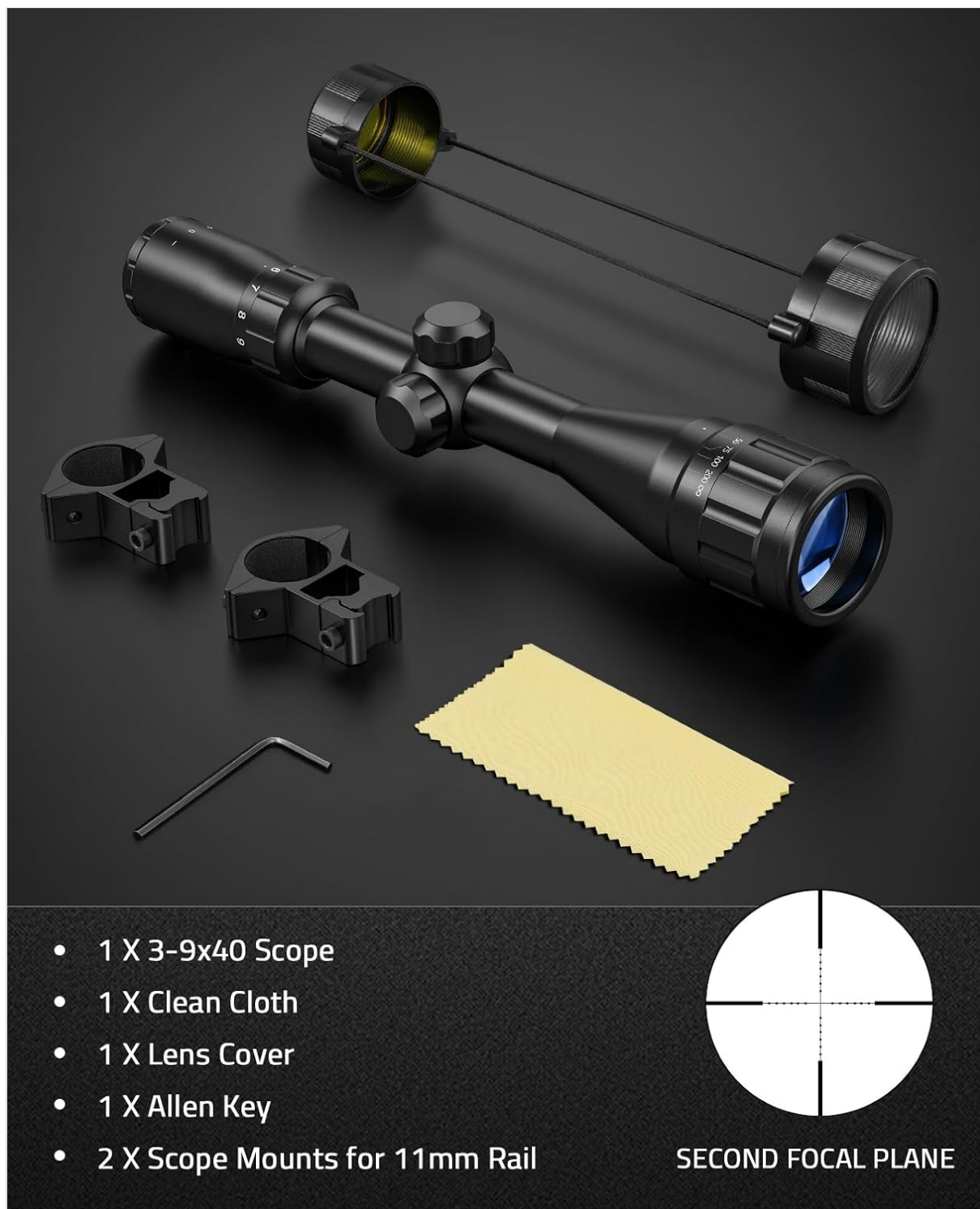
Image: The CVLIFE 3-9x40AO Rifle Scope, showcasing its overall design and included 11mm dovetail mounts.

SETUP

1. Unpacking and Components

Carefully unpack your rifle scope and verify all components are present. The package should include:

- 1 x 3-9x40AO Scope
- 1 x Clean Cloth
- 1 x Lens Cover
- 1 x Allen Key
- 2 x Scope Mounts for 11mm Rail



- 1 X 3-9x40 Scope
- 1 X Clean Cloth
- 1 X Lens Cover
- 1 X Allen Key
- 2 X Scope Mounts for 11mm Rail



SECOND FOCAL PLANE

Image: All components included with the CVLIFE 3-9x40AO Rifle Scope, including the scope, lens covers, cleaning cloth, Allen key, and 11mm dovetail mounts.

2. Mounting the Scope

The CVLIFE 3-9x40AO Rifle Scope is designed for rifles with an 11mm dovetail rail. Ensure your rifle has the correct mounting system before proceeding.

1. Attach the provided 11mm dovetail mounts to your rifle's rail. Position them to allow for proper eye relief.
2. Place the scope into the mounts. Ensure the reticle is level with the rifle.
3. Securely tighten the mount screws using the provided Allen key. Avoid over-tightening, which can damage the scope tube.

19.22 OZ/545g



Fits 11mm Standard Rail Mount

Image: Diagram showing the dimensions of the scope and a close-up of the 11mm dovetail mount, indicating compatibility.

3. Initial Adjustments

Before zeroing, perform the following adjustments:

- **Fast Diopter Adjustment:** Look through the scope at a plain, bright background (like the sky). Rotate the eyepiece (fast diopter adjustment ring) until the reticle appears sharp and clear. This adjustment is personal and should be set for your individual eyesight.
- **Magnification Adjustment:** Rotate the magnification ring to your desired power setting (3x to 9x).



Image: Close-up view of the scope's adjustment features, including AO Adjustment, Windage Adjustment, Magnification, 40mm Objective Lens, Elevation Adjustment, and Fast Diopter Adjustment.

4. Zeroing the Scope

Zeroing involves adjusting the point of impact to match your point of aim. This process typically requires shooting at a target.

1. Set up a target at a known distance (e.g., 25 yards).
2. Fire a group of shots.
3. Adjust the windage and elevation turrets. Each click of the turret adjusts the point of impact by 1/4 MOA (Minute of Angle).
4. To move the point of impact:

- **Windage:** Turn the windage turret (side turret) in the direction you want the bullet to move.
- **Elevation:** Turn the elevation turret (top turret) in the direction you want the bullet to move.

5. Repeat firing and adjusting until your shots consistently hit the center of the target.

OPERATING THE SCOPE

1. Magnification Adjustment

The scope offers variable magnification from 3x to 9x. Rotate the magnification ring, located near the eyepiece, to increase or decrease the zoom level. Higher magnification provides a closer view but reduces the field of view.

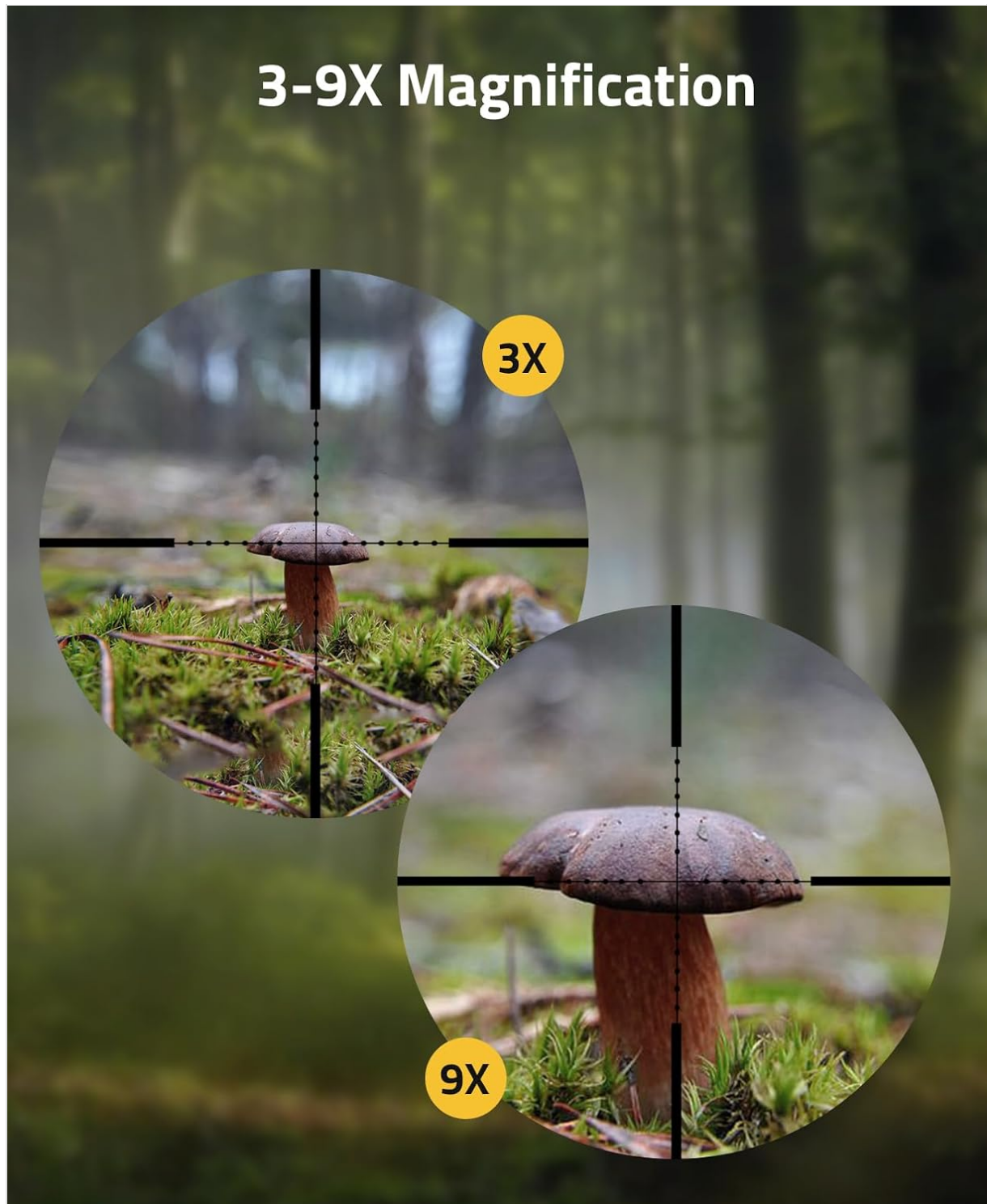


Image: Visual comparison of the field of view at 3x and 9x magnification, demonstrating the zoom

capability.

2. Adjustable Objective (AO) for Parallax Correction

The Adjustable Objective (AO) ring, located on the front of the scope, allows you to correct for parallax. Parallax is the apparent shift in the reticle's position relative to the target when your eye moves. Correcting parallax ensures the reticle and target are on the same focal plane, providing a clear, parallax-free view.

1. Estimate the distance to your target.
2. Rotate the AO ring to the corresponding distance marking (from 10 yards to infinity).
3. Look through the scope. If the image is not perfectly sharp, fine-tune the AO ring until the target is in sharp focus and the reticle does not appear to move when you slightly shift your head.

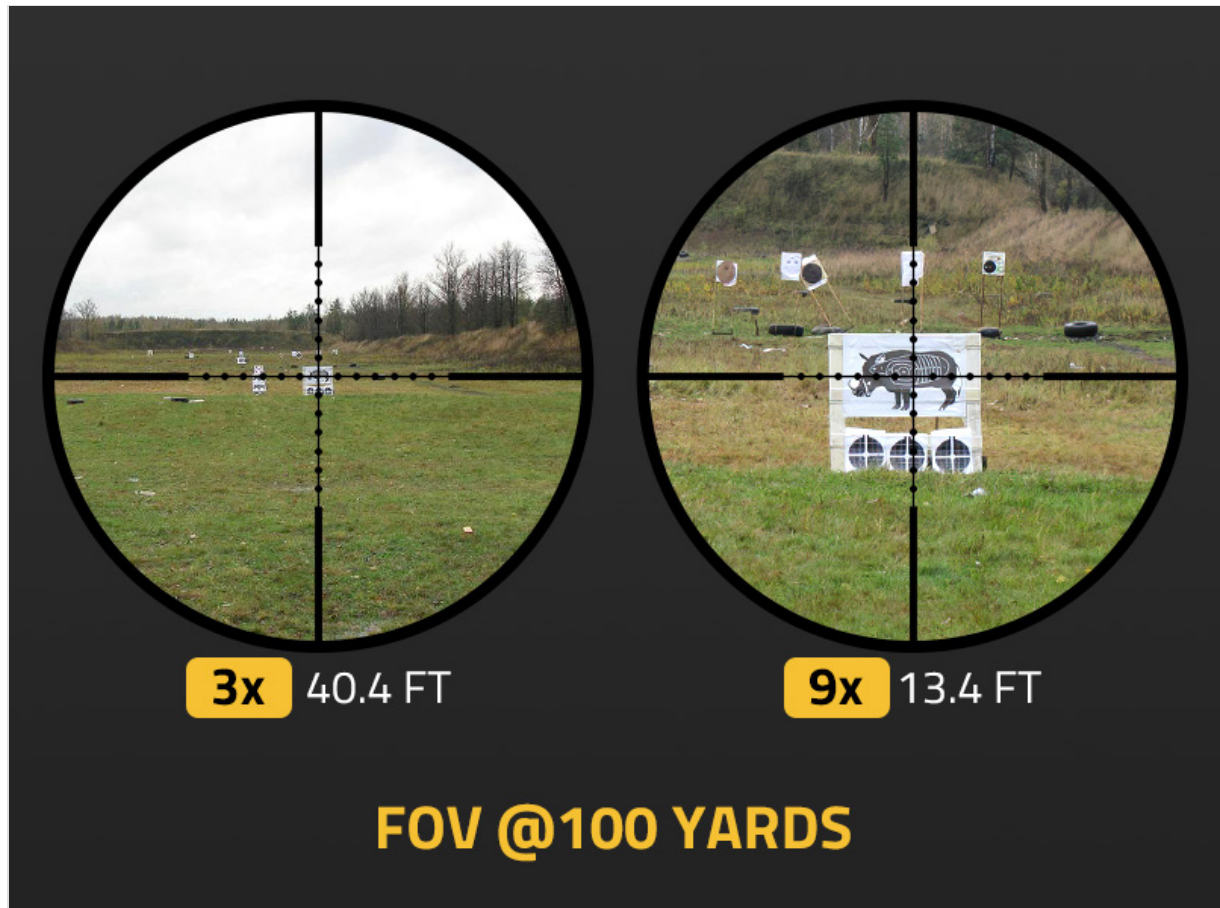


Image: Diagram illustrating the Adjustable Objective function and how to eliminate parallax by matching the AO dial to the target distance for a sharp, parallax-free view.

Parallax Free View From 10 Yards To Infinity

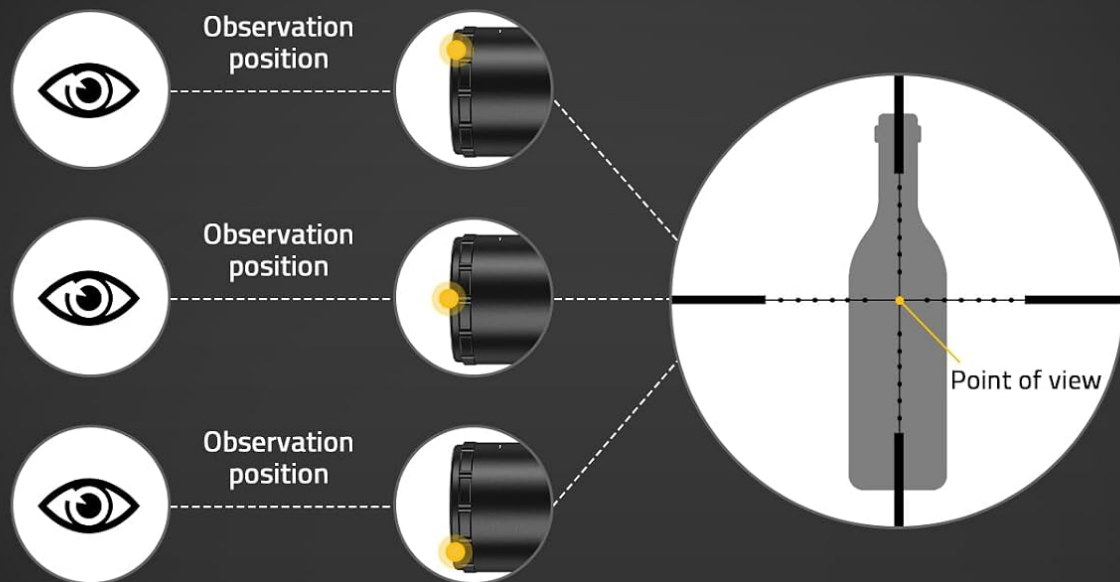


Image: Visual representation of achieving a parallax-free view by adjusting the objective lens from 10 yards to infinity, ensuring the reticle and target remain aligned regardless of eye position.

MAINTENANCE

1. Cleaning the Lenses

To maintain optical clarity, keep the lenses clean. Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optics. Gently wipe away dust and smudges. For stubborn dirt, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.



Image: Illustration of the 40mm fully multi-coated objective lens, highlighting its construction for over 90% light transmittance compared to a single-coated lens which can result in a blurry image.

2. General Care and Storage

- Always use the lens covers when the scope is not in use to protect the lenses from dust and scratches.
- Store the scope in a cool, dry place, away from direct sunlight and extreme temperatures.
- The scope is designed to be waterproof, shockproof, and fogproof, but avoid unnecessary exposure to harsh conditions or impacts.
- Regularly check and tighten all mounting screws to ensure the scope remains securely attached and holds zero.

TROUBLESHOOTING

If you encounter issues with your CVLIFE 3-9x40AO Rifle Scope, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Blurry image	Improper diopter adjustment; incorrect parallax setting; dirty lenses.	Adjust the fast diopter ring for reticle clarity. Adjust the AO ring for target clarity and parallax. Clean lenses with a soft cloth.
Difficulty zeroing or not holding zero	Loose mounts; damaged scope; turret mechanism not settling.	Ensure mounts are securely tightened. If turrets seem to have 'dead space' before adjustment, make several clicks in one direction to engage the mechanism, then adjust as needed. If the problem persists, contact customer support.
Fogging inside the scope	Extreme temperature changes; seal compromise.	Allow the scope to acclimate to the temperature. If fogging persists internally, the seal may be compromised, and the scope may require service.

SPECIFICATIONS

Feature	Detail
Brand	CVLIFE
Model Name	3-9x40AO
Magnification	3x - 9x
Objective Lens Diameter	40 Millimeters
Parallax Adjustment	10 yards - Infinity
Exit Pupil	0.2" - 0.67"
Reticle Type	Crosshair (R4)
Material	Aluminum
Mounting Type	11mm Dovetail Mount
Color	Black
Special Features	Waterproof, Shockproof, Fogproof

WARRANTY AND SUPPORT

For specific warranty information regarding your CVLIFE 3-9x40AO Rifle Scope, please refer to the documentation included with your purchase or visit the official CVLIFE website. For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact CVLIFE customer service through their official channels.

