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› Leupold VX-Freedom 3-9x40mm Riflescope Instruction Manual

Leupold VX-Freedom 3-9x40mm (LP177910)

Leupold VX-Freedom 3-9x40mm Riflescope Instruction Manual

Model: VX-Freedom 3-9x40mm (LP177910)

INTRODUCTION

The Leupold VX-Freedom 3-9x40mm Riflescope is engineered for reliability and performance in various shooting and hunting conditions. This manual provides essential information for proper setup, operation, maintenance, and troubleshooting to ensure optimal use of your riflescope.

KEY FEATURES

- **Model #177910:** VX-Freedom 3-9x40 350 Legend with a Duplex reticle and a Matte finish.
- **DUPLEX Reticle:** Defined by heavy posts, stands out against cover in low light, and offers quick target acquisition with thin lines at the center.
- **Scratch Resistant Lenses:** Extreme military-standard scratch resistance for added protection.
- **Advanced Optical System:** Offers tried and true light transmission for extended glassing sessions, and glare reduction in harsh light.
- **Durable Construction:** 100 percent Waterproof, fogproof, and shockproof.
- **American Made:** Designed, Machined, and Assembled in the USA.



Figure 1: Leupold VX-Freedom 3-9x40mm Riflescope, showing its overall design.



Figure 2: Key features of the VX-Freedom riflescope, including scratch-resistant lenses, quick-grip power selector, and advanced optical system.

SETUP AND MOUNTING

Proper mounting of your riflescope is crucial for accuracy and performance. It is recommended to have the scope mounted by a qualified gunsmith or to follow detailed mounting instructions specific to your rifle and mounting system.

General Mounting Guidelines:

1. Ensure the rifle is unloaded and pointed in a safe direction.
2. Select appropriate rings and bases compatible with your rifle and scope.
3. Securely attach the bases to the rifle, following manufacturer's torque specifications.
4. Place the scope in the rings, ensuring proper eye relief and reticle alignment.
5. Tighten ring screws evenly and gradually to the recommended torque settings.



Figure 3: The VX-Freedom riflescope properly mounted on a rifle, ready for use.

OPERATING INSTRUCTIONS

Magnification Adjustment:

The VX-Freedom features a 3-9x magnification range. To adjust the magnification, rotate the power selector ring located near the eyepiece. Turn clockwise to increase magnification and counter-clockwise to decrease it. The quick-grip power selector allows for rapid adjustments.

Focusing the Reticle:

To ensure a clear and sharp reticle image, adjust the eyepiece focus. Point the scope at a clear, bright background (like the sky) and quickly glance through the scope. Rotate the eyepiece until the reticle appears sharp and crisp. Avoid staring through the scope while adjusting, as your eye may compensate for blurriness.

Windage and Elevation Adjustments:

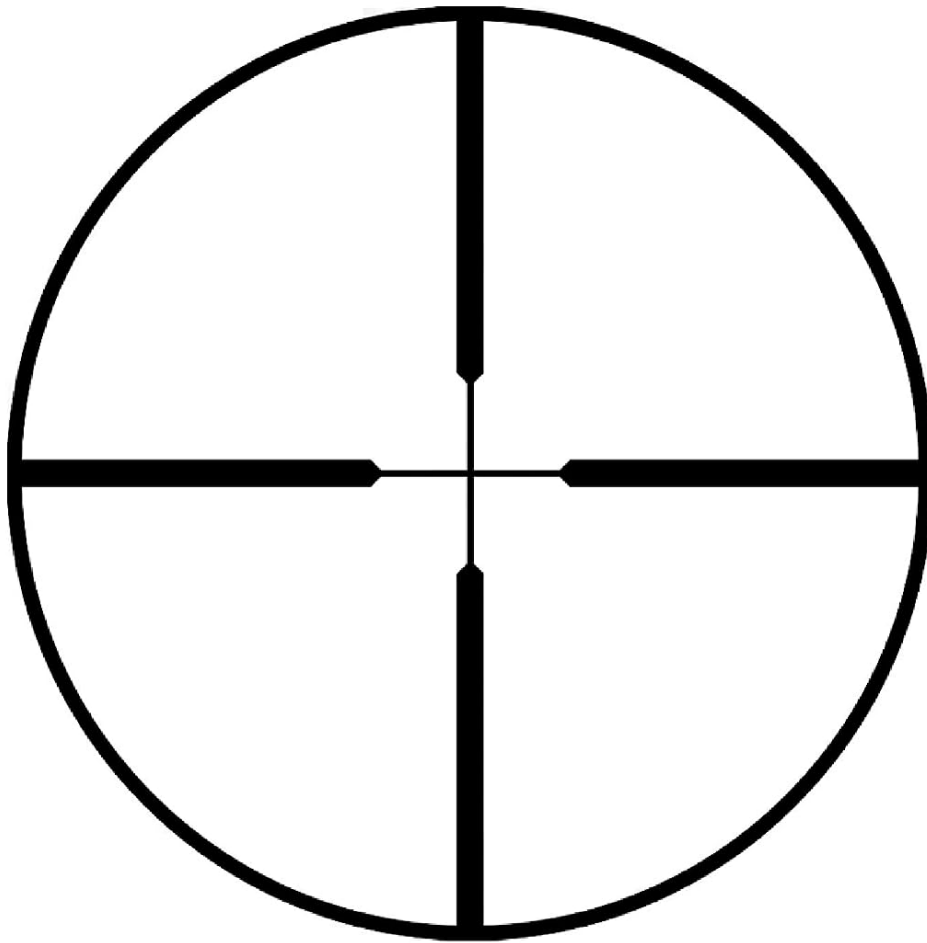
The scope features precise windage and elevation adjustments. The adjustment dial changes the point of impact of the

firearm up or down. Each click on the turrets corresponds to a specific change in point of impact (e.g., 1/4 MOA per click). Refer to the specific model's specifications for exact click values.



Figure 4: Close-up of the riflescope's turrets, used for windage and elevation adjustments.

DUPLEX RETICLE



The Duplex® is defined by heavy posts—which stand out against cover and in twilight conditions—and a thin cross hair that maintains a clear view in the center.



Figure 5: Diagram of the Duplex Reticle, characterized by heavy posts and thin crosshairs for clear aiming.

MAINTENANCE AND CARE

To ensure the longevity and performance of your Leupold VX-Freedom riflescope, follow these maintenance guidelines:

- **Cleaning Lenses:** Use a soft, clean lens cloth or a lens pen to gently wipe away dust and smudges. For stubborn marks, use a small amount of lens cleaning fluid designed for optical surfaces. Avoid using harsh chemicals or abrasive materials.
- **Cleaning Exterior:** Wipe the exterior of the scope with a soft, damp cloth. For heavy dirt, a mild soap solution can be used, followed by rinsing with clean water and drying thoroughly.
- **Storage:** Store the riflescope in a cool, dry place, preferably in a protective case, when not in use. Avoid extreme temperatures and humidity.
- **Waterproof/Fogproof:** While the scope is waterproof and fogproof, it is good practice to wipe it dry after exposure to moisture to prevent water spots and maintain its appearance.

VX-FREEDOM

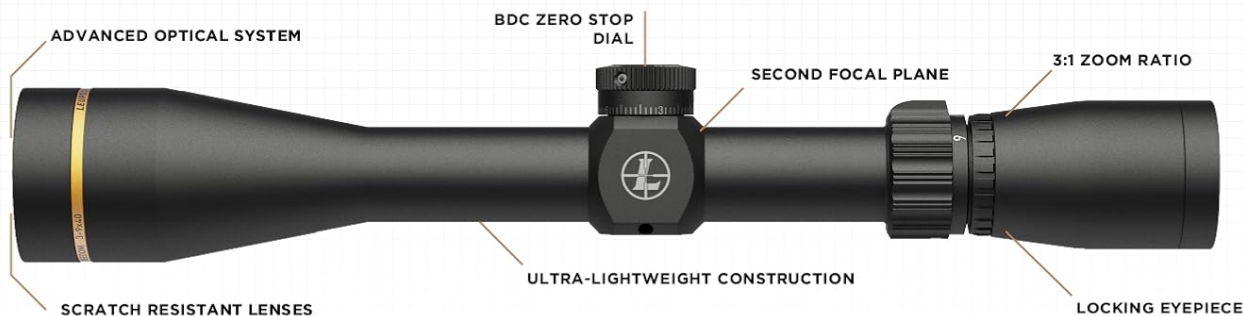


Figure 6: The VX-Freedom riflescope is designed to be fully waterproof and fogproof, ensuring performance in challenging conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurred Image/Reticle	Improper eyepiece focus; dirty lenses.	Adjust eyepiece focus (see Operating Instructions); clean lenses.
Inaccurate Point of Impact	Loose mounting rings/bases; improper zeroing; barrel/action issues.	Check all mounting hardware for tightness; re-zero the scope; consult a gunsmith if issues persist.
Fogging Inside Scope	Seal integrity compromised (rare for Leupold).	Contact Leupold customer service for warranty service.

SPECIFICATIONS

Feature	Detail
Brand	Leupold
Model Name	VX Freedom 3-9x40mm
Model Number	LP177910
Magnification Maximum	9 x
Magnification Minimum	3 x
Objective Lens Diameter	40 Millimeters
Reticle Type	Duplex
Color	Duplex (177910)
Material	Aluminum
Item Weight	12.2 Ounces
Item Dimensions LxWxH	14 x 3.25 x 2.75 inches

Feature	Detail
Waterproof	Yes
Fogproof	Yes
Shockproof	Yes
Designed, Machined, and Assembled	USA



Figure 7: Detailed diagram highlighting key components of the VX-Freedom riflescope.

WARRANTY AND SUPPORT

Leupold stands behind its products with a legendary customer care and warranty. For specific warranty details, service requests, or technical support, please visit the official Leupold website or contact their customer service directly.

Leupold's Full Lifetime Guarantee: This product is backed by Leupold's full lifetime guarantee, ensuring peace of mind regarding its quality and durability.

For more information, visit: www.leupold.com

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I set and use the BDC zero stop dial on the Leupold VX-Freedom 3-9x40mm riflescope, and what tools are needed?

The provided manual for the Leupold VX-Freedom 3-9x40mm riflescope (LP177910) does not contain specific instructions on how to set or use a BDC (Bullet Drop Compensator) zero stop dial, nor does it mention what...

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