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Vector Optics Paragon 3-15x50mm

Vector Optics Paragon 3-15x50mm SFP Genii Riflescope Instruction Manual

Model: Paragon 3-15x50mm

1. Introduction

Thank you for choosing the Vector Optics Paragon 3-15x50mm Second Focal Plane (SFP) Genii Riflescope. This manual provides essential information for the proper setup, operation, and maintenance of your riflescope to ensure optimal performance and longevity. Please read these instructions carefully before use.

2. Product Overview

The Vector Optics Paragon 3-15x50mm SFP Genii Riflescope is designed for precision and reliability. It features a 3-15x magnification range, a 50mm objective lens, and a 30mm main tube. Key features include a red illuminated VPA-2 etched glass reticle, 1/10 MIL click adjustments, and a turret lock system.



Image 2.1: Overall view of the Vector Optics Paragon 3-15x50mm SFP Genii Riflescope, showing the objective lens, main tube, turrets, and ocular lens.



Image 2.2: Detailed view of the elevation, windage, and side focus turrets on the riflescope, indicating adjustment markings.

3. Specifications

The following table details the technical specifications of the Paragon 3-15x50mm SFP Genii Riflescope:

Feature	Specification
Magnification	3-15x
Objective Lens Diameter	50mm
Tube Diameter	30mm
Ocular Lens Diameter	39mm

Feature	Specification
Eye Relief	100mm (4 inch)
Reticle	VPA-2 Etched Glass, Second Focal Plane (SFP)
Illumination	Red, 6 levels
Click Value	1/10 MIL
Elevation Range	26 MIL
Windage Range	26 MIL
Side Focus (Parallax)	10 yards to infinity
Battery Type	CR2032 (Excluded)
Length	335mm (12.2 inch)
Weight	625g (22.0 oz)
Optics Coating	Fully Multi-Coated (FMC)
Waterproof Rating	IPX6 (1 meter for 30 minutes)
Shockproof	Tested to 750g
Material	6061 T6 Aircraft Grade Aluminum Alloy

4. Setup

4.1 Mounting the Riflescope

Proper mounting is crucial for accuracy and consistent performance. Use high-quality 30mm mount rings (included by default) suitable for your rifle's rail system.

1. Ensure the rifle is unloaded and pointed in a safe direction.
2. Attach the mount rings to your rifle's rail, ensuring they are securely fastened according to the mount manufacturer's instructions.
3. Place the riflescope into the lower halves of the rings.
4. Adjust the riflescope's position to achieve proper eye relief. This is the distance between your eye and the ocular lens when shouldering the rifle.
5. Ensure the reticle is level. Use a reticle leveling tool or a plumb bob to align the vertical crosshair.
6. Install the upper halves of the rings and tighten the screws evenly, following the manufacturer's torque specifications. Overtightening can damage the scope tube.



Image 4.1: Included 30mm weaver mount rings for securing the riflescope to a firearm.

4.2 Diopter Adjustment

The diopter adjustment on the ocular lens allows you to focus the reticle for your individual eyesight, ensuring a sharp and clear reticle image.

1. Point the riflescope at a plain, bright background (e.g., a clear sky or a blank wall).
2. Look through the scope and quickly glance at the reticle.
3. Rotate the diopter ring (located at the rear of the ocular lens) until the reticle appears crisp and sharp without straining your eye.
4. Once set, avoid further adjustment unless your eyesight changes.

4.3 Zeroing the Riflescope

Zeroing aligns the point of impact with the point of aim at a specific distance.

1. Begin by firing a group of shots at a target at your desired zeroing distance (e.g., 100 yards).
2. Observe the point of impact relative to your aim point.
3. To adjust the elevation turret, pull it up to unlock. Rotate the turret in the direction indicated to move the point of impact. For example, if shots are hitting low, adjust 'UP'. Each click represents 1/10 MIL.
4. To adjust the windage turret, pull it out to unlock. Rotate the turret in the direction indicated to move the point of impact. For example, if shots are hitting left, adjust 'RIGHT'. Each click represents 1/10 MIL.
5. After making adjustments, press the turret back down to lock it in place.
6. Repeat the firing and adjustment process until your shots consistently hit the desired aim point.
7. Once zeroed, you can reset the turret markings to '0'. The adjustment plate is not fixed; after zeroing, turn the plate to align the '0' mark with the indicator.

5. Operating

5.1 Magnification Adjustment

The magnification ring is located on the ocular end of the riflescope. Rotate this ring to change the magnification from 3x to 15x. The numbers on the ring indicate the current magnification setting.

5.2 Reticle Illumination

The VPA-2 reticle features red illumination with 6 brightness levels, useful in low-light conditions. The illumination control is integrated into the side focus turret.

1. To activate the illumination, rotate the outer ring of the side focus turret.
2. Continue rotating to cycle through the 6 brightness levels.
3. To turn off the illumination, rotate the ring back to the '0' position.
4. The illumination is powered by a CR2032 battery (not included). To replace the battery, unscrew the battery cap on the illumination control.

5.3 Side Focus / Parallax Adjustment

The side focus turret, located opposite the windage turret, adjusts for parallax error and brings the target into sharp focus. Parallax is the apparent shift in the reticle's position relative to the target when your eye moves.

1. Look through the riflescope at your target.
2. Rotate the side focus turret until the target appears sharp and clear, and the reticle shows no apparent movement against the target when you slightly move your head.
3. The turret is marked with distances (10, 15, 20, 30, 50, 75, 100, 200, 300, 500 yards to infinity) to assist in setting the approximate parallax.

5.4 VPA-2 Reticle (Second Focal Plane)

The VPA-2 reticle is etched glass and located in the second focal plane (SFP). This means the reticle size remains constant regardless of the magnification setting. The subtensions (MIL markings) are accurate at a specific magnification, typically the highest magnification (15x) for this model. Refer to the reticle diagram for details on its markings.

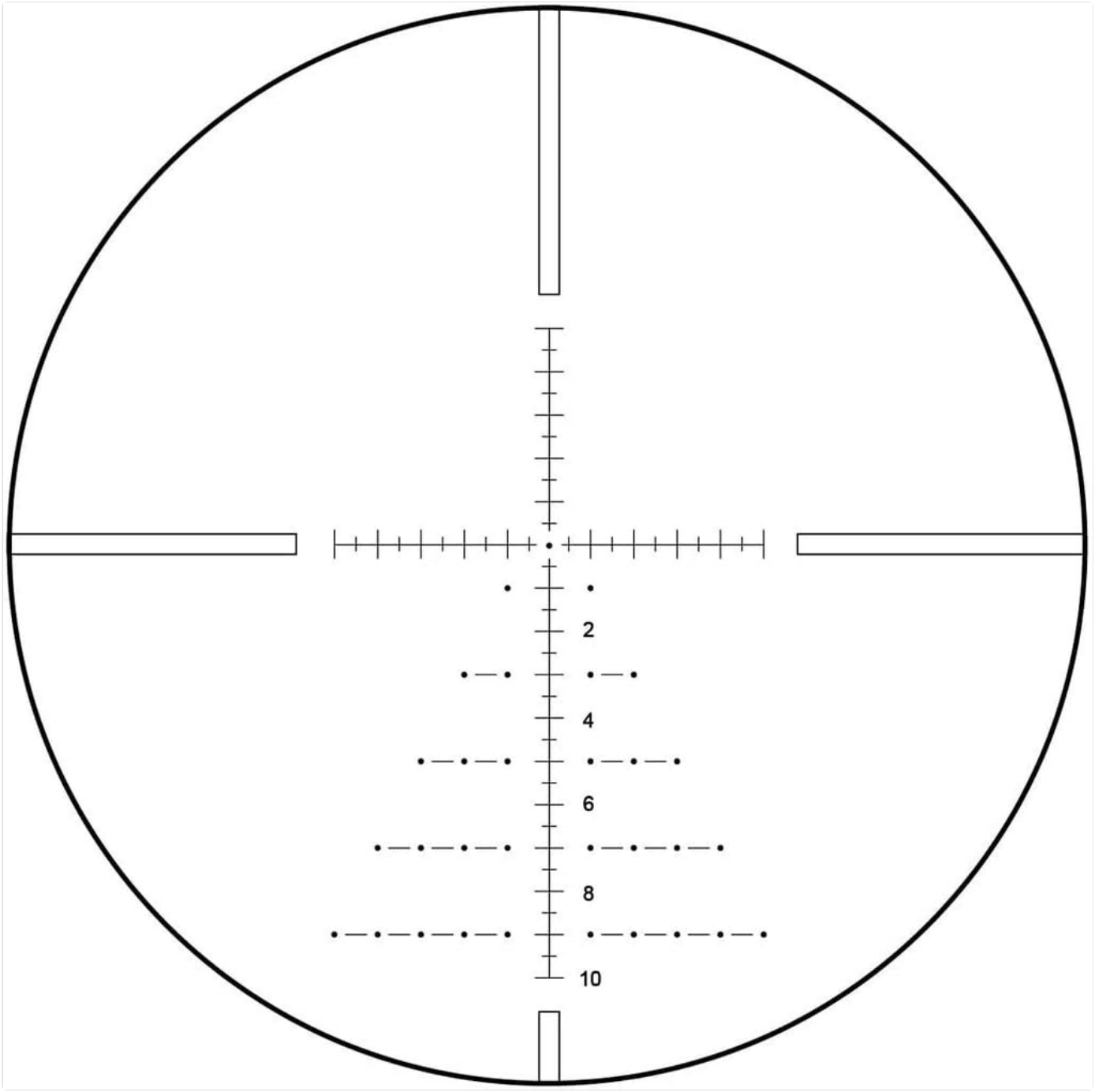


Image 5.1: Diagram of the VPA-2 etched glass reticle, showing MIL markings for holdovers and windage corrections.

6. Maintenance

6.1 Cleaning

Regular cleaning helps maintain the performance and appearance of your riflescope.

- **Lenses:** Use the included cleaning cloth or a soft, lint-free cloth specifically designed for optics. Gently wipe away dust and smudges. For stubborn marks, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens. Avoid touching the lens surfaces with your fingers.
- **Body:** Wipe the riflescope body with a soft, damp cloth to remove dirt and debris. Avoid harsh chemicals or abrasive materials.

6.2 Storage

Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided lens caps

to protect the objective and ocular lenses when not in use. If storing for an extended period, remove the CR2032 battery to prevent leakage.

6.3 Durability Features

The Paragon riflescope is built with durability in mind:

- **Waterproof:** Completely sealed and nitrogen-filled, it is IPX6 rated, meaning it can withstand water immersion up to 1 meter for 30 minutes.
- **Fogproof:** Nitrogen purging prevents internal fogging due to temperature changes.
- **Shockproof:** Constructed from high-quality 6061 T6 aircraft-grade aluminum alloy, it is shock-tested to 750g for reliable performance under recoil.

7. Troubleshooting

If you encounter issues with your riflescope, consider the following common troubleshooting steps:

- **Blurry Image:** Ensure the diopter adjustment is correctly set for your eye. Adjust the side focus/parallax for the target distance. Check for dirt or smudges on the lenses.
- **Reticle Not Illuminating:** Check if the CR2032 battery is installed correctly and has sufficient charge. Replace the battery if necessary. Ensure the illumination control is rotated past the '0' position.
- **Inconsistent Point of Impact:** Verify that the riflescope is securely mounted and the rings are properly tightened. Check for any loose components on the rifle or scope. Ensure consistent shooting technique.
- **Turrets Not Adjusting:** Ensure the elevation and windage turrets are pulled up to unlock before attempting to adjust.

If problems persist after attempting these steps, please contact Vector Optics customer support.

8. Warranty and Support

8.1 Warranty Information

The Vector Optics Paragon 3-15x50mm SFP Genii Riflescope comes with a**5-year warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, improper handling, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty service, or any questions regarding your Vector Optics product, please visit the official Vector Optics website or contact their customer support department. Contact information can typically be found on the manufacturer's website or product packaging.

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