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## Vortex PST-2101

# Vortex Optics Viper PST Gen II First Focal Plane Riflescopes

Model: 2-10x32 EBR-4 (MOA)



Official Vortex Optics Product Manual

## INTRODUCTION

The Vortex Optics Viper PST Gen II First Focal Plane Rifle scope 2-10x32 EBR-4 (MOA) is engineered for shooters seeking superior performance across various scenarios, from close-quarters to long-range engagements. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your rifle scope, ensuring optimal performance and longevity.

The illumination dial is seamlessly integrated into the side focus adjustment knob, offering convenient access and a streamlined profile. The glass-etched reticle provides highly functional, intuitive, and detailed hold points, maintaining an uncluttered view for optimal target acquisition. It features 10 intensity levels with 'off' positions between each setting for precise brightness control.



Main view of the Vortex Optics Viper PST Gen II Riflescope.

## KEY FEATURES

- **Advanced Optical System:** Extra-low dispersion (XD) glass enhances resolution and color fidelity, while XR fully multi-coated lenses maximize light transmission for bright, clear images.
- **Durable Construction:** O-ring sealed and argon purged for waterproof and fogproof performance in all weather conditions. The single-piece, aircraft-grade aluminum construction ensures a robust and reliable platform.
- **Precision Turrets:** Laser-etched turrets with adjustable parallax and a patented RZR Zero Stop for accurate and repeatable adjustments, ensuring precise returns to zero.
- **Fiber Optic Rotation Indicator:** Provides a clear visual cue of the turret's rotational position, aiding in tracking adjustments.
- **Versatile Magnification:** The 5x zoom range offers a wide variety of magnification options suitable for both short and long-range shooting scenarios.
- **Illuminated Reticle:** Features 10 intensity levels with off positions between each setting, allowing for optimal visibility in varying light conditions.



Key components of the Viper PST Gen II Rifle scope.

## SETUP

### Mounting the Rifle scope

1. **Choose Appropriate Rings:** Select high-quality rings that match your rifle's mounting system and the rifle scope's 30mm tube diameter.
2. **Secure Mount:** Attach the rings to your rifle's base according to the manufacturer's instructions, ensuring they are properly aligned and torqued.
3. **Position Rifle scope:** Place the rifle scope into the rings. Adjust its position forward or backward to achieve optimal eye relief.
4. **Level Reticle:** Use a reticle leveling tool to ensure the reticle is perfectly level with the rifle.
5. **Tighten Rings:** Securely tighten the ring screws evenly, following the manufacturer's recommended torque specifications to prevent damage to the scope tube.

### Zeroing the Rifle scope

1. **Bore-Sighting:** Begin by bore-sighting your rifle to get the initial point of impact close to the target.
2. **Initial Shots:** Fire a few shots at a target at your desired zeroing distance (e.g., 100 yards).
3. **Adjust Turrets:** Use the elevation and windage turrets to adjust the point of impact. Each click of the turret corresponds to a specific change in MOA (Minute of Angle) as indicated on the turrets.
4. **Set RZR Zero Stop:** Once zeroed, follow the instructions in the detailed manual (not provided here) to set the RZR Zero Stop, allowing for quick and precise return to your established zero.



Top view of the riflescope, highlighting the turrets.

## OPERATING THE RIFLESCOPE

### Magnification Adjustment

Rotate the magnification adjustment ring located near the eyepiece to change the magnification level. The 2-10x32 model offers a versatile range for various shooting distances.



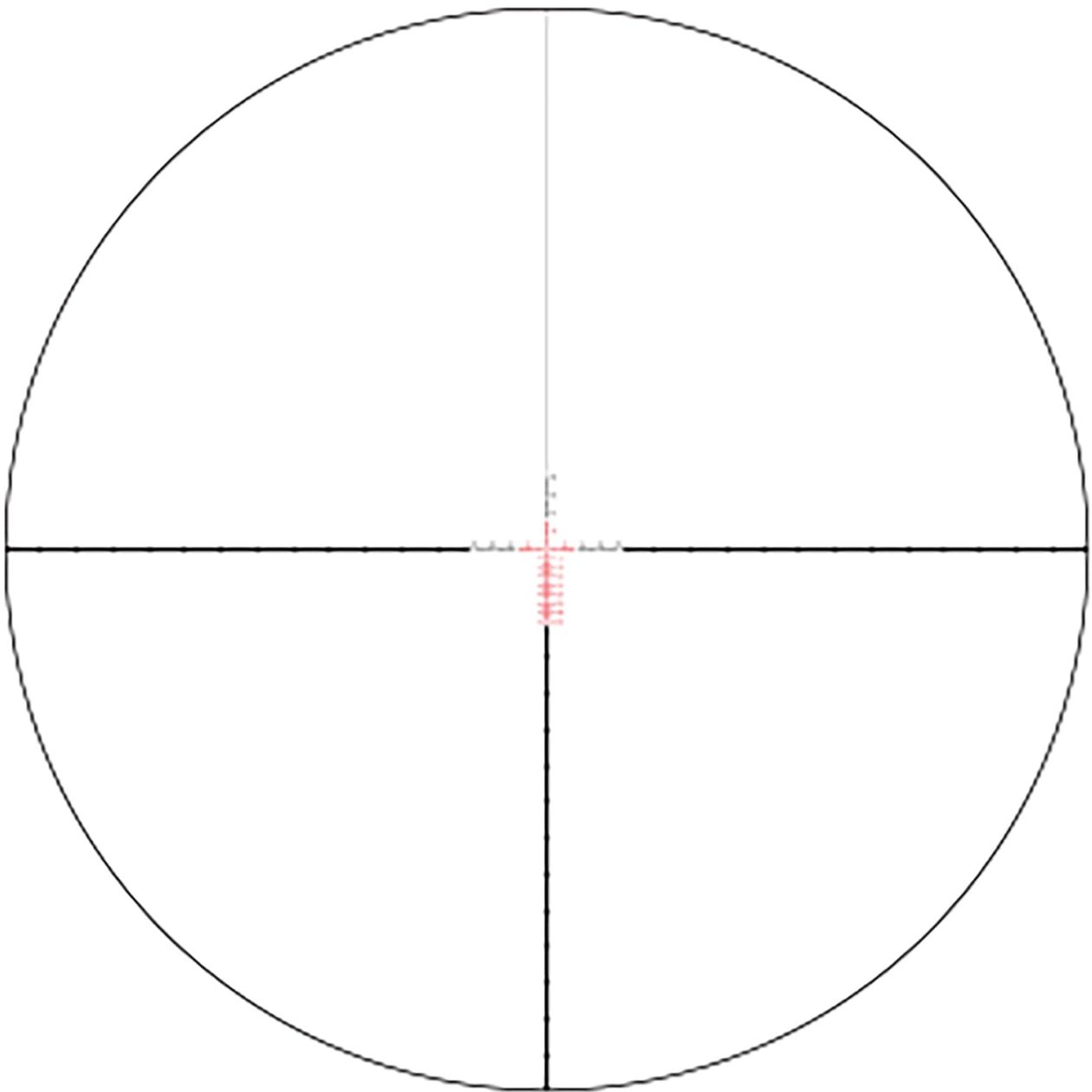
Side view of the riflescope, showing the magnification ring.

### Parallax Adjustment

The parallax adjustment knob is integrated with the illumination dial on the side of the scope. Rotate this knob to eliminate parallax error, ensuring the reticle and target are on the same focal plane at various distances. This is crucial for precision shooting.

### Reticle Illumination

The illumination dial is part of the side focus knob. Rotate the dial to select one of the 10 brightness settings for the reticle. 'Off' positions are located between each setting to quickly turn off illumination without cycling through all levels.



Detailed view of the EBR-4 (MOA) reticle.

## Product Overview Video

Your browser does not support the video tag.

Official product overview video for the Vortex Optics Viper PST Gen II Riflescopes, demonstrating key features and functionality.

## MAINTENANCE

### Cleaning the Lenses

- Use a soft brush or compressed air to remove loose dust and debris.
- Apply a small amount of lens cleaning solution to a microfiber lens cloth.
- Gently wipe the lens surfaces in a circular motion, starting from the center and moving outwards.
- Avoid using harsh chemicals or abrasive materials, as they can damage the lens coatings.

## Cleaning the Riflescope Body

- Wipe down the riflescope body with a soft, damp cloth to remove dirt and grime.
- For stubborn stains, a mild soap solution can be used, followed by wiping with a clean, damp cloth.
- Ensure all surfaces are dry before storage.

## Storage

- Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the provided lens covers to protect the objective and eyepiece lenses when not in use.
- Consider storing the riflescope in a padded case for added protection during transport or long-term storage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurry Image	Improper focus or parallax setting	Adjust the eyepiece focus and parallax knob until the image is clear.
Reticle Not Illuminating	Battery low or dead; illumination dial off	Replace the battery; ensure the illumination dial is set to an active brightness level.
Point of Impact Shift	Loose mounting rings; damaged scope	Check and re-torque mounting rings; if problem persists, contact support.
Fogging Inside Lens	Seal compromise (rare for argon purged scopes)	Contact Vortex Optics for warranty service.

## SPECIFICATIONS

Specification	Detail
Brand	Vortex
Model Name	Vortex Optics Viper PST Gen II 2-10x32 First Focal Plane Riflescope - EBR-4 Reticle (MOA)
Style	EBR-4 (MOA)
Magnification	2-10x

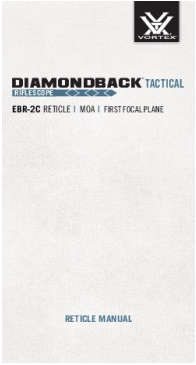

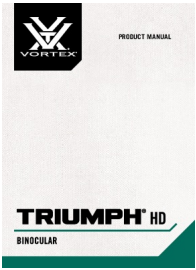



Specification	Detail
Objective Lens Diameter	32mm
Tube Diameter	30mm
Eye Relief	3.2 Inches
Field Of View	58.3 Feet (at 100 yards)
Item Weight	26.3 Ounces
Material	Aluminum
Color	Black
Waterproof/Fogproof	Yes (O-ring sealed, Argon purged)
UPC	875874007451

## WARRANTY AND SUPPORT

Vortex Optics stands behind its products with an **Unlimited, unconditional lifetime warranty**. This VIP (Very Important Promise) Warranty ensures that if your Viper PST Gen II Riflescope ever becomes damaged or defective, Vortex Optics will repair or replace it at no charge to you, no matter the cause or fault. No receipt is necessary, and the warranty is fully transferable.

For any support inquiries, warranty claims, or technical assistance, please contact Vortex Optics directly or the authorized dealer from whom you purchased the product. The current seller is **EuroOptic (Authorized Dealer Fastest Shipping)**.

For more information, visit the official Vortex Optics website or contact their customer service department.

	<p><a href="#">Vortex Diamondback Tactical Riflescope EBR-2C MOA Reticle Manual</a></p> <p>A comprehensive guide to the Vortex Diamondback Tactical riflescope's EBR-2C MOA reticle. Learn about MOA subtensions, ranging formulas, elevation holdovers, windage corrections, and moving target leads to enhance your long-distance shooting accuracy.</p>
	<p><a href="#">Vortex Razor HD Gen III 6-36x56 Riflescope Product Manual</a></p> <p>Comprehensive product manual for the Vortex Razor HD Gen III 6-36x56 Riflescope, detailing its features, controls, installation, mounting, sighting-in procedures, maintenance, troubleshooting, and VIP warranty information.</p>
	<p><a href="#">Vortex Triumph HD 10x42 Binocular Product Manual</a></p> <p>Comprehensive product manual for the Vortex Triumph HD 10x42 binoculars, covering specifications, basic operation, accessories like the GlassPak harness, maintenance, and VIP warranty information.</p>
	<p><a href="#">Vortex Micro3X Magnifier: User Manual and Mounting Guide</a></p> <p>Detailed user manual for the Vortex Micro3X Magnifier, covering installation, quick-release mount operation, height adjustments, focus, lens care, and the Vortex VIP warranty. Optimized for search engines.</p>
	<p><a href="#">Vortex Razor HD Gen III 6-36x56 Riflescope Manual</a></p> <p>User manual for the Vortex Razor HD Gen III 6-36x56 riflescope, covering configuration, adjustments, mounting, and troubleshooting.</p>
	<p><a href="#">Vortex A24 Smartphone: Quick Start Guide and Specifications</a></p> <p>Get started with your Vortex A24 smartphone. This guide covers setup, specifications, and important safety information.</p>