

## Vortex VEN-MRD3-E

# Vortex Venom Enclosed Micro Red Dot Sights 3 MOA Instruction Manual

## 1. INTRODUCTION

The Vortex Venom Enclosed Micro Red Dot Sight is engineered for reliable performance in diverse conditions. Its closed design protects against environmental elements like rain, dust, and snow, ensuring consistent functionality. Featuring a large sight window, motion activation, and adjustable brightness, this optic is designed for enhanced handling, speed, and accuracy.



Figure 1.1: Front-right view of the Vortex Venom Enclosed Micro Red Dot Sight.

### Key Features:

- **Enclosed Design:** Shields against disruptions from rain, dust, or snow.
- **Large Sight Window:** Offers a clear, distortion-free sight picture for fast target acquisition.

- **Motion Activation:** Automatically activates with movement, featuring a 10-minute auto-shutoff to conserve battery life.
- **Adjustable Brightness:** 12 settings (10 daylight, 2 night vision compatible) for various lighting conditions.
- **Side-Load Battery:** Allows for easy battery replacement without removing the optic.
- **Durable Construction:** 6061 aluminum housing, waterproof, fogproof, and shockproof.

## 2. WHAT'S IN THE BOX

Your Vortex Venom Enclosed Micro Red Dot Sight package includes the following items:

- Red Dot Sight (3 MOA)
- Custom Tool
- Rubber Cover
- Most Common Screw Sets
- Lens Cloth
- CR2032 Battery
- Product Manual



Figure 2.1: Included components in the Vortex Venom Enclosed Micro Red Dot package.

### Unboxing Video:

Video 2.2: A quick unboxing of the Vortex Venom Enclosed Micro Red Dot Sights, demonstrating the contents and initial setup steps.

## 3. SETUP AND INSTALLATION

The Venom Enclosed Micro Red Dot is designed for easy mounting and is compatible with a DeltaPoint Pro footprint. Ensure your firearm is unloaded and safe before proceeding with installation.

### 3.1. Identifying Components:



Figure 3.1: Labeled diagram of the Vortex Venom Enclosed Micro Red Dot Sight components.

### 3.2. Mounting the Sight:

1. Identify the correct screw set from the included accessories that matches your firearm's optic-ready slide or adapter plate.
2. Place the Venom sight onto the mounting surface, aligning the screw holes.
3. Secure the sight using the appropriate screws and the custom tool. Tighten screws to the manufacturer's recommended torque specifications.
4. Ensure the sight is securely installed and does not wobble.



Figure 3.2: Side view of the sight, highlighting the battery cap and windage adjustment.

### 3.3. Battery Installation:

The Venom sight uses a CR2032 battery, conveniently located in a side-load tray.

1. Using the custom tool or a flathead screwdriver, unscrew the battery cap located on the side of the sight.
2. Remove any protective plastic film from the new CR2032 battery.
3. Insert the CR2032 battery into the tray with the positive (+) side facing outwards.
4. Replace the battery cap and tighten it securely to maintain the waterproof seal.



Figure 3.3: Top-down view of the sight, highlighting the elevation adjustment turret.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Power On/Off:

- To power on, press either the '+' or '-' button for approximately 5 seconds.
- To power off, press and hold both the '+' and '-' buttons simultaneously for 3 seconds.

### 4.2. Brightness Adjustment:

- Use the '+' button to increase brightness.
- Use the '-' button to decrease brightness.
- The sight offers 12 brightness settings: 10 for daylight and 2 night vision compatible.

### 4.3. Motion Activation & Auto-Shutoff:

- The sight automatically activates with motion.
- An integrated 10-minute auto-shutoff feature conserves battery life during periods of inactivity.

### 4.4. Zeroing the Sight:

- Use the elevation and windage adjustment turrets (refer to Figure 3.1) to adjust the point of impact.
- Each click of the turret adjusts the point of impact by 1 MOA.
- Turn the elevation turret clockwise to move the point of impact up, counter-clockwise to move it down.
- Turn the windage turret clockwise to move the point of impact right, counter-clockwise to move it left.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Vortex Venom sight.

## 5.1. Cleaning:

- Use the provided lens cloth to gently wipe the lenses. Avoid using harsh chemicals or abrasive materials.
- For stubborn dirt or smudges, use a lens cleaning solution specifically designed for optics.
- Wipe the exterior housing with a soft, damp cloth as needed.

## 5.2. Storage:

- When not in use, place the rubber cover over the sight to protect the lenses and housing.
- Store the sight in a cool, dry place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

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If you encounter issues with your Vortex Venom sight, refer to the following common troubleshooting steps:

### 6.1. Dot Not Appearing or Flickering:

- **Check Battery:** Ensure the CR2032 battery is correctly installed with the positive side up and has sufficient charge. Replace if necessary.
- **Battery Cap:** Make sure the battery cap is securely tightened to ensure proper contact.
- **Motion Activation:** Gently shake the sight to activate the motion sensor if it has been inactive.

### 6.2. Inaccurate Point of Impact:

- **Zeroing:** Re-zero the sight according to the instructions in Section 4.4.
- **Mounting Security:** Verify that the sight is securely mounted to your firearm and that all screws are tightened to the recommended torque.

### 6.3. Environmental Issues (Fogging/Water Intrusion):

- The sight is fogproof and waterproof. If fogging occurs internally, ensure the battery cap is fully tightened. If water intrusion is suspected, contact Vortex support.

## 7. SPECIFICATIONS

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Detailed technical specifications for the Vortex Venom Enclosed Micro Red Dot Sight:



Figure 7.1: Vortex Venom Enclosed Micro Red Dot Sight specifications table.

Feature	Specification
Item Package Dimensions L x W x H	5.59 x 3.94 x 2.64 inches
Package Weight	0.25 Kilograms
Item Weight	1.75 Ounces



Feature	Specification
Brand Name	Vortex
Model Name	Venom Enclosed Micro Red Dot Sights
Color	Black
Material	Aluminum
Number of Items	1
Manufacturer	Vortex Optics
Part Number	VEN-MRD3-E
Style	Red Dot
Sport Type	Hunting

## 8. WARRANTY & SUPPORT

Vortex Optics stands behind its products with a comprehensive warranty and dedicated customer support.

### 8.1. VIP Warranty:


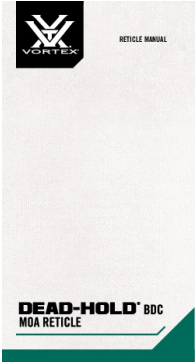
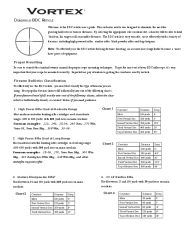
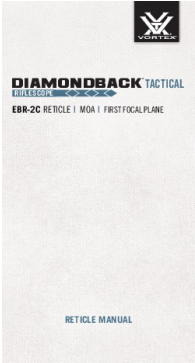
The Vortex Venom Enclosed Micro Red Dot Sight is backed by our unlimited, unconditional, lifetime, VIP Warranty. This is a fully transferable promise to repair or replace your item if it becomes damaged or defective. Please note that this warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder performance.

### 8.2. Customer Support:

For any questions, technical assistance, or warranty claims, please visit the official Vortex Optics website or contact their customer service department directly.

## Related Documents - VEN-MRD3-E

	<p><a href="#">Manuel du produit Vortex Venom 5-25x56 Lunette de tir</a></p> <p>Manuel d'utilisation complet pour la lunette de tir Vortex Venom 5-25x56, couvrant les spécifications, l'installation, les ajustements, l'entretien et le dépannage.</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 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 Dead-Hold BDC MOA Reticle Manual</a></p> <p>A comprehensive guide to using the Vortex Dead-Hold BDC MOA reticle for accurate bullet-drop compensation and windage corrections in long-range shooting.</p>
	<p><a href="#">Vortex Deadhold BDC Reticle User Guide for Precision Shooting</a></p> <p>Comprehensive guide to the Vortex Deadhold BDC reticle, detailing firearm classifications, setup, range estimation, and ballistic charts for accurate long-range shooting.</p>
	<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>