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Vortex Defender-ST Micro Dot Sights (3 MOA Green Dot)

Vortex Optics Defender-ST Micro Dot Sight

Instruction Manual for Model: Defender-ST 3 MOA Green Dot



INTRODUCTION

The Vortex Optics Defender-ST Micro Dot Sight is a versatile optic designed for various applications, including everyday carry (EDC), hunting, and competition. It features a DeltaPoint Pro footprint for easy mounting and a top-mounted battery for convenient replacement. This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Defender-ST Micro Dot Sight.



Image: Front view of the Vortex Optics Defender-ST Micro Dot Sight, showcasing its compact design and green-tinted lens.

WHAT'S IN THE BOX

Upon opening your Defender-ST Micro Dot Sight package, you should find the following components:

- Red Dot Sight (Defender-ST 3 MOA Green Dot)
- Glock MOS Adapter Plate
- Picatinny Rail Mount
- Rubber Cover
- Custom Tool
- CR2032 Battery
- Most Common Mounting Screw Sets
- Lens Cloth
- Product Manual (this document)



Image: All components included in the Defender-ST Micro Dot Sight package, laid out neatly.

PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the key features and components of your Defender-ST Micro Dot Sight:

- **DeltaPoint Pro Footprint:** Standardized mounting interface for broad compatibility.
- **12 Brightness Settings:** Allows for optimal visibility in various lighting conditions.
- **Motion Activation with Auto-Shutoff:** Automatically activates upon motion and shuts off after 10 minutes of inactivity to conserve battery. Note: Motion activation only works when the unit is in sleep mode.

- **Top Mount Battery:** Easy access for battery replacement (CR2032).
- **Fast-Rack Textured Front Face:** Provides grip for racking the slide off surfaces.
- **Hard Coated, Aspherical Lens:** Offers a distortion-free sight picture and truer colors.
- **ShockShield Polymer Insert:** Protects against impacts from daily use.
- **ArmorTek Coating:** Ultra-hard, scratch-resistant coating protects exterior lenses.
- **Waterproof & Shockproof:** Designed for durability in harsh environments.
- **Button Lockout Mode:** Prevents unintentional setting changes.



Image: Labeled diagram showing the various components of the Defender-ST, including the ShockShield Polymer Insert, Fast-Rack Textured Grip, Battery Cap, Up/Down Buttons, Elevation Turret, and Windage Turret.

SETUP AND INSTALLATION

The Defender-ST Micro Dot Sight is designed for easy installation. It comes with mounting screws compatible with DeltaPoint Pro, Glock MOS, and a Picatinny rail mount.

Mounting Options:

- **DeltaPoint Pro Footprint:** Utilize the included screws for direct mounting to compatible slides.
- **Glock MOS Adapter Plate:** Use this plate for mounting on Glock MOS pistols.
- **Picatinny Rail Mount:** Attach the sight to any standard Picatinny rail using the provided mount.

Ensure all screws are tightened securely according to your firearm's specifications to prevent movement during use. Refer to your firearm's manual for specific torque settings if available.

OPERATING INSTRUCTIONS

Power On/Off and Brightness Adjustment:

- To power on, press either the "Up" or "Down" brightness button.
- To adjust brightness, press the "Up" button to increase brightness or the "Down" button to decrease brightness. There are 12 brightness settings available.
- The sight features motion activation. When the unit is in sleep mode, any motion will automatically activate the sight.
- An auto-shutoff feature will turn off the sight after 10 minutes of no motion to conserve battery life.
- To manually power off, press and hold the "Down" button for 3 seconds.

Windage and Elevation Adjustments:

Adjustments for windage (horizontal) and elevation (vertical) are located on the top and side of the sight. Use the provided tool to make precise adjustments. Each click typically corresponds to 1 MOA (Minute of Angle).

- **Elevation Turret:** Located on the top of the sight. Turn to adjust vertical point of impact.
- **Windage Turret:** Located on the side of the sight. Turn to adjust horizontal point of impact.

Perform zeroing procedures at a controlled range to ensure accuracy with your specific firearm.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Defender-ST Micro Dot Sight.

Cleaning the Lenses:

Use the included lens cloth or a soft, clean, lint-free cloth. For stubborn smudges or dried water spots, a small amount of lens cleaning fluid can be applied to the cloth, not directly to the lens. Avoid using harsh chemicals or abrasive materials.

Battery Replacement:

The Defender-ST uses a CR2032 battery, located on the top of the unit for easy access. To replace, unscrew the battery cap, remove the old battery, insert a new CR2032 battery with the positive (+) side facing up, and securely replace the cap. The battery runtime is approximately 25,000 hours at setting 6.

General Care:

Store the sight in a cool, dry place when not in use. The ArmorTek coating and ShockShield polymer insert provide excellent durability, but avoid unnecessary impacts or extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your Defender-ST Micro Dot Sight, consider the following common solutions:

- **Dot Not Visible:**
 - Check battery: Ensure the CR2032 battery is correctly installed and has sufficient charge. Replace if necessary.
 - Brightness setting: Increase brightness using the "Up" button.
 - Auto-shutoff: Move the sight to activate motion sensor if it was in sleep mode.
- **Dot Flickering or Dim:**
 - Low battery: Replace the CR2032 battery.
 - Loose battery cap: Ensure the battery cap is securely tightened.

- **Inaccurate Point of Impact:**

- Mounting: Verify the sight is securely mounted to your firearm and all screws are tightened.
- Zeroing: Re-zero the sight at a controlled range.

- **Buttons Unresponsive:**

- Button lockout mode: If enabled, disable it by pressing and holding both "Up" and "Down" buttons simultaneously for 3 seconds.
- Battery: Check and replace battery if needed.

For persistent issues not resolved by these steps, please refer to the Warranty and Support section for contact information.

SPECIFICATIONS

Attribute	Detail
Brand	Vortex
Model Name	Defender-ST Micro Red Dots Sights
Color	Black
Style	3 MOA - Green Dot
Dot Size	3 MOA
Battery Type	CR2032
Battery Life (Setting 6)	25,000 hours
Item Weight	1.48 Ounces
Material	Aluminum
Mounting Type	DeltaPoint® Pro
Compatible Devices	Handgun, Shotgun
UPC	843829145800



Image: Detailed specifications table for various Defender-ST models, including dot size, color, battery, magnification, length, and weight.

WARRANTY AND SUPPORT

Your Vortex Optics Defender-ST Micro Dot Sight is backed by the Vortex VIP Warranty.

Vortex VIP Warranty:

This is an unlimited, unconditional, lifetime warranty. Vortex will repair or replace your product absolutely free, no matter the cause. This warranty is fully transferable and does not require a receipt or registration. Please note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder the performance of the product.


DEFENDER-ST™ MICRO RED DOT								
SKU	DOT SIZE	DOT COLOR	HOUSING COLOR	BATTERY	EYE RELIEF	MAGNIFICATION	LENGTH	WEIGHT
DFST-MRD6	6 MOA	Bright Red	Black	CR2032	Unlimited	1x	1.83"	1.48 oz.
DFST-MRD3	3 MOA	Bright Red	Black	CR2032	Unlimited	1x	1.83"	1.48 oz.
DFST-MRD3-T			Tan					
DFST-MGD3	3 MOA	Bright Green	Black	CR2032	Unlimited	1x	1.83"	1.48 oz.


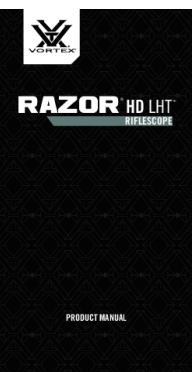
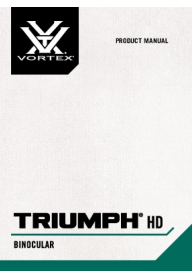
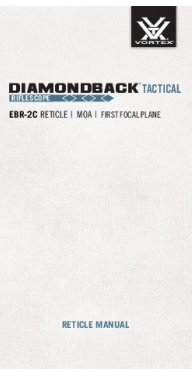
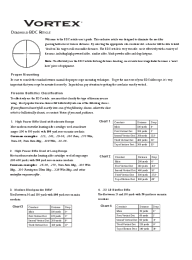
Image: Vortex VIP Warranty graphic, stating "Our Unconditional Promise To You".

Contact Support:

For warranty service or technical support, please visit the official Vortex Optics website or contact their customer service department directly. You can find more information and contact details on their website: www.vortexoptics.com

Related Documents - Defender-ST Micro Dot Sights (3 MOA Green Dot)

	<p>Vortex Micro3X Magnifier: User Manual and Mounting Guide</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>
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	<p>Vortex Razor HD Gen III 6-36x56 Riflescope Manual</p> <p>User manual for the Vortex Razor HD Gen III 6-36x56 riflescope, covering configuration, adjustments, mounting, and troubleshooting.</p>
	<p>Vortex Razor HD LHT Riflescope Product Manual</p> <p>Comprehensive product manual for the Vortex Razor HD LHT Riflescope, covering specifications, features, mounting, adjustments, maintenance, and troubleshooting. Learn how to properly set up, use, and care for your riflescope.</p>
	<p>Vortex Triumph HD 10x42 Binocular Product Manual</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>Vortex Diamondback Tactical Riflescope EBR-2C MOA Reticle Manual</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>Vortex Deadhold BDC Reticle User Guide for Precision Shooting</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>