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› Vortex Triumph Red Dot Sight - 2 MOA Instruction Manual

Vortex TRI-RD2

Vortex Triumph Red Dot Sight - 2 MOA Instruction Manual

INTRODUCTION

The Vortex Triumph Red Dot Sight (Model TRI-RD2) is engineered for fast, accurate, and reliable performance in various scenarios. This manual provides comprehensive instructions for its proper setup, operation, and maintenance to ensure optimal functionality and longevity.



Figure 1: Front view of the Vortex Triumph Red Dot Sight.

WHAT'S IN THE BOX

Upon opening your Vortex Triumph Red Dot Sight package, you should find the following components:

- Red Dot Sight
- Lower 1/3 Co-Witness Mount
- Low Mount
- Torx T-10 Wrench
- Rubber Cover
- CR2032 Battery

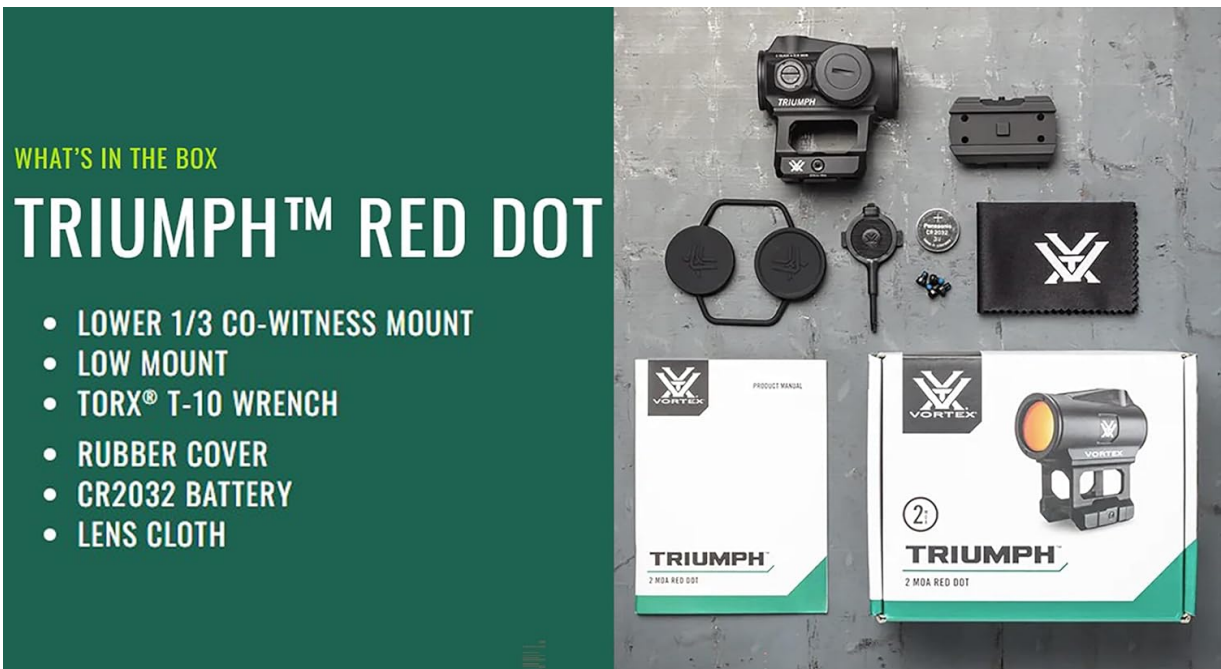


Figure 2: All items included in the Vortex Triumph Red Dot Sight package.

Product Overview Video

Video 1: An official overview of the Vortex Triumph Red Dot Sight, showcasing its features and included accessories.

PRODUCT FEATURES

- **2 MOA Red Dot:** Provides a crisp, precise aiming point for enhanced accuracy.
- **Unlimited Eye Relief:** Allows for rapid target acquisition and a wide field of view.
- **Parallax-Free Design:** Ensures the red dot remains on target regardless of eye position.
- **Illumination Settings:** Features 9 daylight and 2 night-vision compatible brightness levels for optimal visibility in any lighting condition.
- **Motion Activation with Auto-Shutoff:** The red dot automatically powers on with motion and includes a 10-minute auto-shutoff feature, contributing to an extended battery life of up to 50,000 hours at setting 5.
- **Durable Construction:** Built with fully multi-coated lenses, nitrogen purging, and is waterproof, fogproof, and shockproof for reliable performance in harsh environments.

SETUP AND INSTALLATION

The Vortex Triumph Red Dot Sight comes with two mounting options to accommodate various platforms:

- **Lower 1/3 Co-Witness Mount:** For use with iron sights that appear in the lower third of the red dot's field of view.
- **Low Mount:** Provides a lower profile for applications where co-witnessing is not desired.

Both mounts are compatible with Picatinny and Weaver footprints. Use the included Torx T-10 wrench to securely attach the desired mount to your firearm's rail. Ensure proper alignment and avoid over-tightening to prevent damage.



Figure 3: The Vortex Triumph Red Dot Sight shown with both the Lower 1/3 Co-Witness Mount and the Low Mount.



Figure 4: The Low Mount provides a compact profile for the red dot sight.



**Lower 1/3
Co-Witness Mount**

Figure 5: The Lower 1/3 Co-Witness Mount allows for integration with existing iron sights.

OPERATING INSTRUCTIONS

Battery Installation

The Vortex Triumph Red Dot Sight uses a CR2032 battery. To install or replace the battery, locate the battery compartment on the side of the sight. Unscrew the cap, insert the CR2032 battery with the positive (+) side facing outward, and then securely replace the cap. Ensure the cap is finger-tight to maintain the waterproof seal.

Illumination Settings

The sight features a rotary dial for adjusting the red dot's brightness. Rotate the dial to select from 9 daylight and 2 night-vision compatible illumination levels. Choose the appropriate setting for optimal visibility in your current environment.

Motion Activation

The red dot sight is equipped with motion activation technology. It will automatically power on when movement is detected. To conserve battery life, the sight will automatically shut off after 10 minutes of inactivity. Any subsequent motion will reactivate the red dot instantly.

ADJUSTMENTS

The Triumph Red Dot Sight features precise windage and elevation adjustment turrets. These turrets allow for fine-tuning the point of impact to match your aiming point. Each click of the turret adjusts the point of impact by 0.5 MOA.



Figure 6: Top and side view of the red dot sight, highlighting the elevation and windage turrets.

To adjust, remove the protective caps from the turrets. Use a small flathead screwdriver or the provided tool to rotate the turrets. Rotate the elevation turret (top) to adjust vertical aim and the windage turret (side) to adjust horizontal aim. Replace the caps after adjustment.

MAINTENANCE

To ensure the longevity and optimal performance of your Vortex Triumph Red Dot Sight, follow these maintenance guidelines:

- **Lens Cleaning:** Use the provided cleaning cloth to gently wipe the lenses. Avoid using abrasive materials or harsh chemicals that could scratch the lens coatings.
- **Storage:** When not in use, store the red dot sight in a cool, dry place. Utilize the rubber cover to protect the lenses from dust and debris.
- **Environmental Protection:** The sight is waterproof, fogproof (nitrogen purged), and shockproof. While designed for durability, avoid unnecessary impacts or dropping the sight.
- **Battery Check:** Regularly check the battery level and replace the CR2032 battery as needed to

ensure the red dot is functioning properly.

TROUBLESHOOTING

If you encounter any operational issues or concerns with your Vortex Triumph Red Dot Sight, please consider the following general troubleshooting steps:

- **Red Dot Not Powering On:** Check the battery orientation and ensure the CR2032 battery is correctly installed. If the battery is depleted, replace it with a new one.
- **Red Dot Appears Blurry or Distorted:** Adjust the brightness levels to match ambient light. If the issue persists, it may indicate astigmatism in the viewer's eyes. Wearing corrective eyewear or observing the red dot through a smartphone camera can help verify clarity.
- **Sight Not Holding Zero:** Verify that all mounting screws are securely tightened. Check for any issues with the optic's adjustment screws.

For further assistance or persistent issues, please refer to the warranty section for contact information or consult a qualified technician.

SPECIFICATIONS

Feature	Specification
Brand	Vortex
Model Name	Triumph Red Dot
Model Number	TRI-RD2
Color	Black
Reticle Type	2 MOA Dot
Illumination Levels	9 Daylight, 2 Night Vision
Battery Type	CR2032
Battery Life	Up to 50,000 hours (at setting 5)
Eye Relief	Unlimited
Mounting Type	Picatinny Mount, Weaver Mount
Material	Aluminum
Weight	4.38 Ounces
Product Dimensions	2.5"L x 1.6"W x 2.7"H
Waterproof	Yes
Fogproof	Yes (Nitrogen Purged)
Shockproof	Yes

WARRANTY AND SUPPORT

The Vortex Triumph Red Dot Sight is backed by Vortex's unlimited, unconditional, lifetime VIP Warranty. This fully transferable promise ensures that your item will be repaired or replaced 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.

For warranty claims or support inquiries, please contact Vortex Optics directly.