

Vortex Triumph HD 850

Vortex Triumph HD 850 Laser Rangefinder User Manual

Model: Triumph HD 850

INTRODUCTION

The Vortex Triumph HD 850 Laser Rangefinder is designed to provide accurate distance measurements for various outdoor activities, particularly hunting. This manual provides instructions for the proper setup, operation, and maintenance of your device to ensure optimal performance and longevity.



Image: The Vortex Triumph HD 850 Laser Rangefinder, showcasing its compact design and objective lens.

WHAT'S IN THE BOX

Upon unboxing your Vortex Triumph HD 850 Laser Rangefinder, verify that all the following components are included:

- Triumph HD 850 Laser Rangefinder
- Soft Carry Case
- Wrist Lanyard
- Lens Cloth
- CR2 Battery
- Product Manual (this document)

WHAT'S IN THE BOX

TRIUMPH™ HD 850 LASER RANGEFINDER

- ▶ SOFT CARRY CASE
- ▶ WRIST LANYARD
- ▶ LENS CLOTH
- ▶ CR2 BATTERY
- ▶ PRODUCT MANUAL



Image: All items included with the Vortex Triumph HD 850 Laser Rangefinder, neatly arranged.

PRODUCT OVERVIEW

Familiarize yourself with the key components of your rangefinder:



Image: A detailed diagram highlighting the Objective Lens, Menu Button, Measure Button, Diopter Focus, Ocular Lens, Wrist Lanyard Attachment, and Battery Compartment.

- **Objective Lens:** The front lens through which light enters the rangefinder.

- **Menu Button:** Used to access and navigate the rangefinder's settings.
- **Measure Button:** Activates the laser to take a distance measurement.
- **Diopter Focus:** Adjusts the focus of the reticle for individual eye relief.
- **Ocular Lens:** The eyepiece through which you view the target.
- **Wrist Lanyard Attachment:** Point for securing the included wrist lanyard.
- **Battery Compartment:** Houses the CR2 battery.

SETUP

1. Battery Installation

1. Locate the battery compartment cap on the underside of the rangefinder.
2. Unscrew the cap counter-clockwise.
3. Insert the included CR2 battery with the positive (+) terminal facing inward.
4. Replace the cap and screw it clockwise until secure. Do not overtighten.

2. Diopter Adjustment

For a clear view of the display and reticle, adjust the diopter:

1. Look through the ocular lens without pressing any buttons.
2. Rotate the diopter focus ring (located near the ocular lens) until the display text and reticle appear sharp and clear.

OPERATING INSTRUCTIONS

1. Power On/Off

- **To Power On:** Press the **Measure** button once. The display will illuminate.
- **To Power Off:** The unit will automatically power off after 10 seconds of inactivity to conserve battery life.

2. Taking a Measurement

1. Power on the rangefinder by pressing the **Measure** button.
2. Aim the reticle at your desired target.
3. Press and release the **Measure** button. The distance to the target will be displayed.



Image: A user demonstrating the proper way to hold and aim the rangefinder for accurate measurements.

3. Ranging Modes

The Triumph HD 850 offers three ranging modes:

- **LOS (Line of Sight):** Provides the actual linear distance to the target.
- **HCD (Horizontal Component Distance):** Provides angle-compensated distance, ideal for uphill or downhill shots.
- **Scan:** Allows for continuous ranging as you pan across multiple targets or a moving target. To activate, press and hold the **Measure** button for approximately 3 seconds.

4. Target Modes

The rangefinder also features three target modes to optimize performance in different scenarios:

- **Normal:** Standard mode for most ranging situations.
- **First:** Prioritizes the closest target in a group, useful for ranging small objects in front of larger ones.
- **Last:** Prioritizes the furthest target, useful for ranging through brush or obstacles to a distant object.

To switch between ranging and target modes, press the **Menu** button to cycle through options. Refer to the on-screen indicators for the currently selected mode.

MAINTENANCE

Cleaning

- **Lenses:** Use the provided lens cloth or a soft, clean microfiber cloth. Breathe lightly on the lens to create moisture, then gently wipe away dust or smudges. Avoid using harsh chemicals or abrasive materials.

- **Body:** Wipe the exterior with a soft, damp cloth.

Storage

- Store the rangefinder in its soft carry case when not in use to protect it from dust and impacts.
- If storing for extended periods, remove the battery to prevent leakage.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **Display is dim or hard to read:**
 - Check battery level and replace if necessary.
 - Adjust the diopter focus for your vision.
 - In low light conditions (early morning, dusk), the black LCD display may be less visible. This is a characteristic of the display type.
- **No measurement displayed:**
 - Ensure the battery is correctly installed and has sufficient charge.
 - Confirm the target is within the effective ranging distance (6 to 850 yards).
 - Ensure there are no obstructions between the rangefinder and the target.
 - The target surface may be non-reflective. Try ranging a different target or a more reflective part of the target.
- **Inaccurate readings:**
 - Ensure the rangefinder is held steady during measurement.
 - Verify the correct ranging mode (LOS or HCD) is selected for your application.
 - Environmental factors like heavy rain, fog, or snow can affect accuracy.

SPECIFICATIONS

The following table details the technical specifications of the Vortex Triumph HD 850 Laser Rangefinder:

| TRIUMPH HD 850 LASER RANGEFINDER | | | | | | | | | | | | | | |
|-------------------------------------|-----|-------------------------|------------------------------|--------------------|--------------------|-----------|-----------------------|----------------------------------|-----------------------|------------|--------|-------|--------|---------|
| SKU | MAG | OBJECTIVE LENS DIAMETER | MAX REFLECTIVE RANGE (UP TO) | TREE RANGE (UP TO) | DEER RANGE (UP TO) | MIN RANGE | ACCURACY (@100 YARDS) | LINEAR FIELD OF VIEW (@1000 YDS) | ANGULAR FIELD OF VIEW | EYE RELIEF | LENGTH | WIDTH | HEIGHT | WEIGHT |
| LRF-TRI850 | 5x | 21mm | 850 yds. | 500 yds. | 350 yds. | 6 yds. | +/- .5 yds. | 335' | 6.4° | 13mm | 3.8" | 1.4" | 3.1" | 4.6 oz. |

Image: Official specifications chart for the Triumph HD 850 Laser Rangefinder.

| Feature | Specification |
|---------|---------------|
| SKU | LRF-TRI850 |

| Feature | Specification |
|------------------------------------|---------------|
| Magnification | 5x |
| Objective Lens Diameter | 21mm |
| Max Reflective Range | 850 yards |
| Tree Range | 500 yards |
| Deer Range | 350 yards |
| Minimum Range | 6 yards |
| Accuracy (@100 yards) | +/- 0.5 yards |
| Linear Field of View (@1000 yards) | 335 feet |
| Angular Field of View | 6.4 degrees |
| Eye Relief | 13mm |
| Length | 3.8 inches |
| Width | 1.4 inches |
| Height | 3.1 inches |
| Weight | 4.6 ounces |
| Battery Type | CR2 |
| Waterproof | Yes |
| Shockproof | Yes |

WARRANTY & SUPPORT

Vortex VIP Warranty

The Vortex Triumph HD 850 Laser Rangefinder is backed by the Vortex VIP Warranty. This is an unlimited, unconditional, lifetime warranty. Vortex will repair or replace your product if it becomes damaged or defective. This warranty is fully transferable and does not require a receipt.

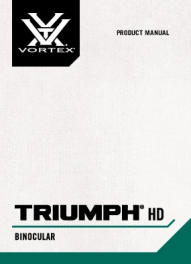


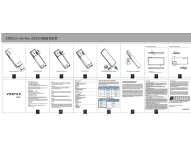


Please Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder the performance of the product.

Customer Support

For warranty claims, technical assistance, or any questions regarding your Vortex Triumph HD 850, please contact Vortex customer service directly. Refer to the official Vortex website for the most current contact information.

[Visit the Official Vortex Website](#)

Related Documents - Triumph HD 850

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|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <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 Blast Waterproof 30W LED Portable Bluetooth Speaker User Manual</p> <p>User manual for the Vortex Blast waterproof 30W LED light portable Bluetooth speaker. Features IPX6 rating, V5.3 Bluetooth, 30W output, and LED lighting. Includes setup, operation, TWS connection, and charging instructions.</p> |
|  | <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> |
|  | <p>EB03C1-Vortex-ZG65H User Manual and Specifications</p> <p>Comprehensive user manual for the Vortex ZG65H smartphone, detailing setup, basic operations, specifications, and FCC compliance information. Includes instructions for SIM card insertion, charging, and device usage.</p> |
|  | <p>Vortex MercuryTM Spa: Technical Specifications, Features, and Dimensions</p> <p>Detailed technical information pack for the Vortex MercuryTM spa, including features, water capacity, seating, dimensions, jet specifications, equipment location, cover details, warranties, and planning information.</p> |
|  | <p>Vortex Razor HD Gen III 6-36x56 Riflescope Product Manual</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> |

[\[pdf\]](#) User Manual Specifications

PRODUCT MANUALPRODUCT MANUALvtx m 00428 web english 48067 816benel nl bestanden
afbeelding webshop bijlage vtx 816 816opplanet vortex triumph hd 850 5x21mm laser rangefinder green
lrf tri850 imbenel 816opticsplanet i opplanet im srsltid

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AfmBOoog3bNt6D7rZtjnQaWLTV ycsuuT j5vagll 7JvY6 ajz7SUz ajz7SUzopticsplanet

AfmBOorNmmWW4or F9vHzKT6Pw kzZGIbnFmzyLIUchTrN6XOYBM4GN0 ||| ||| PRODUCT MANUAL 1

SPECIFICATIONS MAGNIFICATION OBJECTIVE LENS MAX REFLECTIVE RANGE TREE RANGE

DEER RANGE MINIMUM RANGE ACCURACY MAXIMUM ANGLE READING FIELD OF VIEW EYE

RELIEF BATTERY TYPE BATTERY LIFE LENGTH HEIGHT WIDTH WEIGHT W/ BATTERY 5x |||

PRODUCT MANUAL 1 SPECIFICATIONS MAGNIFICATION OBJECTIVE LENS MAX REFLECTIVE

RANGE TREE RANGE DEER RANGE MINIMUM RANGE ACCURACY MAXIMUM ANGLE READING

FIELD OF VIEW EYE RELIEF BATTERY TYPE BATTERY LIFE LENGTH HEIGHT WIDTH WEIGHT W/

BATTERY 5x ||| PRODUCT MANUAL 1 SPECIFICATIONS MAGNIFICATION OBJECTIVE LENS MAX

REFLECTIVE RANGE TREE RANGE DEER RANGE MINIMUM RANGE ACCURACY MAXIMUM

ANGLE READING FIELD OF VIEW EYE RELIEF BATTERY TYPE BATTERY LIFE LENGTH HEIGHT

WIDTH WEIGHT W/ BATTERY 5x

PRODUCT MANUAL 1 SPECIFICATIONS MAGNIFICATION OBJECTIVE LENS

MAX REFLECTIVE RANGE TREE RANGE DEER RANGE MINIMUM RANGE

ACCURACY MAXIMUM ANGLE READING FIELD OF VIEW EYE RELIEF BATTERY

TYPE BATTERY LIFE LENGTH HEIGHT WIDTH WEIGHT W/ BATTERY 5x 21mm

Up to 850 yds. 777m Up to 500 yds. 457m Up...

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