Vector Optics Veyron 4-16x44

Vector Optics Veyron 4-16x44 Riflescope User Manual

Model: Veyron 4-16x44

Product Overview

The Vector Optics Veyron 4-16x44 Riflescope is designed for precision and durability, featuring a compact 30mm monotube construction and advanced optical clarity. It is suitable for a variety of firearms, including air guns and lightweight firearms, offering reliable performance in diverse conditions.



Image: The Vector Optics Veyron 4-16x44 Riflescope, showcasing its compact design and turret controls.

Key Features:

- **Ultra-Compact and Durable:** 265mm (10.5-inch) ultra-short design with 30mm monotube construction for robust performance.
- **Precision Adjustments:** Turret lock system and 1/10 MIL per click for accurate windage and elevation settings.
- **Advanced Optical Clarity:** Fully multi-coated lenses ensure bright, clear images, with side focus for parallax correction.
- **Enhanced Reticle and Illumination:** Center dot illuminated etched glass reticle with six levels of red illumination for improved visibility.

Package Contents

Your Vector Optics Veyron Riflescope package includes the following items:

- Veyron 4-16x44 Riflescope
- One Pair of 30mm Weaver Scope Rings
- Flip-up Caps
- Honeycomb Sunshade
- Cleaning Cloth
- Plastic Wrench
- Hex Keys

- User Manual (this document)



Image: All accessories included with the Vector Optics Veyron Riflescope, such as scope rings, flip-up caps, sunshade, and cleaning cloth.

Setup and Mounting

Proper mounting is crucial for optimal performance and accuracy. Follow these general steps for setting up your riflescope.

1. **Mounting Rings:** Attach the provided 30mm Weaver scope rings to your firearm's rail. Ensure they are securely fastened but do not overtighten initially.
2. **Scope Placement:** Place the riflescope into the lower halves of the rings. Adjust its position forward or backward to achieve proper eye relief.
3. **Leveling:** Use a leveling tool to ensure the reticle is perfectly level with your firearm. This prevents canting errors.
4. **Securing Rings:** Once eye relief and leveling are set, attach the upper halves of the rings and tighten the screws evenly and gradually. Refer to your firearm's manual for specific torque specifications if available.
5. **Accessory Attachment:** Install the flip-up caps on the objective and ocular lenses. The honeycomb sunshade can be screwed onto the objective lens to reduce glare.



Image: A visual representation of the riflescope's magnification range (4x to 16x) and the 1/10 MIL adjustment detail on the turrets.

Operating Instructions

Magnification Adjustment

The Veyron riflescope features a 4-16x magnification range. Rotate the magnification ring, located near the ocular lens, to adjust the power. The numbers on the ring indicate the current magnification setting.

Parallax Adjustment (Side Focus)

The side focus knob, located on the left side of the scope, is used to eliminate parallax error and achieve a clear image at various distances. Rotate the knob until the target image and the reticle appear sharp and in the same focal plane. This adjustment is critical for precision shooting, especially at higher magnifications.

Windage and Elevation Adjustments

The windage (horizontal) and elevation (vertical) turrets are located on the top and right side of the scope, respectively. These turrets feature a 1/10 MIL click value, meaning each click moves the point of impact by 0.1 MIL at 100 yards. The turrets are equipped with a lock system to prevent accidental adjustments. To adjust, pull up the turret to unlock, make your adjustments, and then push down to lock it in place.



Image: A close-up of the custom-designed etched glass reticle and the illumination control, showing the six red illumination levels.

Reticle and Illumination

The Veyron features a first focal plane (FFP) etched glass reticle. This means the reticle scales with magnification, allowing for

accurate holdovers and ranging at any power setting. The reticle has a center dot with six levels of red illumination. The illumination control knob is integrated with the side focus knob. Rotate it to turn the illumination on/off and select the desired brightness level.

Care and Maintenance

Proper care will ensure the longevity and performance of your riflescope.

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe away dust and debris. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Cleaning Body:** Wipe the exterior of the scope with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the flip-up caps to protect the lenses when not in use.
- **Water Resistance:** The scope is IPX6 water-resistant, protecting against high-pressure water streams from any angle. However, it is not designed for submersion. Dry the scope thoroughly if it gets wet.



Image: Illustration highlighting the IPX6 water resistance and 750G shockproof rating of the riflescope, along with its intended applications.

Troubleshooting

If you encounter issues with your riflescope, refer to the following common problems and solutions:

- **Blurred Image / Parallax Error:**
  Ensure the side focus (parallax) knob is adjusted correctly for your target distance. Rotate it slowly until the image and reticle are both sharp and clear. If the image remains blurry, check for smudges on the lenses and clean them as per maintenance instructions.
- **Reticle Not Visible / Faint:**
  Check the illumination setting. Ensure the battery is correctly installed and has sufficient charge. Increase the illumination brightness using the control knob. If the reticle is faint even at higher magnifications, ensure the ocular lens is properly focused for your eye.
- **Turret Adjustments Are Stiff:**
  Ensure the turret is pulled up to unlock it before attempting to make adjustments. If it remains stiff, apply gentle, consistent pressure. Avoid forcing the turrets, as this can cause damage. Extreme temperature changes can sometimes affect the smoothness of mechanical parts.
- **Inaccurate Point of Impact:**
  Verify that the scope is securely mounted and that all rings and base screws are tightened to the manufacturer's specifications. Ensure proper zeroing procedures have been followed. Check for any loose components on the firearm itself. Environmental factors like wind can also affect bullet trajectory.

Technical Specifications

Brand	Vector Optics

Model Name	Veyron
Style	4-16x44
Magnification	4-16x
Objective Lens Diameter	44 mm
Ocular Lens Diameter	33 mm
Tube Diameter	30mm Monotube
Eye Relief	90-85 mm (3.5-3.4 inch)
Exit Pupil	11-2.75 mm
Field of View (at 100 yards)	26.2-6.55 ft
Click Value	1/10 MIL
Adjustment Range	17.5 MIL
Optical Coating	Fully Multi-Coated (MPR-V5)
Reticle Type	First Focal Plane (FFP) Etched Glass
Illumination	6 Levels Red
Material	Aluminum
Weight	530g (10.5oz)
Length	265 mm (10.5 inch)
Water Resistance	IPX6
Shockproof	Tested to 750G



Image: A diagram illustrating the key dimensions and technical specifications of the Vector Optics Veyron Riflescope.

Warranty Information

Vector Optics provides a **5-year warranty** for the Veyron Riflescope, covering defects in materials and workmanship under normal use. This warranty ensures your investment is protected and reflects our commitment to quality.
For warranty claims or detailed information, please retain your proof of purchase and contact Vector Optics customer support.

Support and Contact

For further assistance, technical support, or inquiries, please refer to the following resources:

- **Official User Manual (PDF):** For a downloadable version of the complete user manual, please visit:Download PDF Manual
- **Manufacturer Website:** Visit the official Vector Optics website for product updates, FAQs, and additional support resources.
- **Seller Contact:** If you purchased directly from "Vector optics" on Amazon, you may contact them through your Amazon order history for product-specific inquiries.

Always ensure to provide your product model (Veyron 4-16x44) and purchase details when seeking support.

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