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› VANGUARD VEO ED 10x50 Lightweight Binoculars User Manual

VANGUARD VEO ED 1050

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Model: VEO ED 1050

1. INTRODUCTION AND OVERVIEW

The VANGUARD VEO ED 10x50 binoculars are engineered for clarity and durability, featuring Extra-low-dispersion (ED) glass to minimize chromatic aberration and enhance color fidelity. Constructed from lightweight carbon composite, these binoculars are designed to be 100% waterproof and fog-proof, making them suitable for various outdoor conditions. With 10x magnification and 50mm objective lenses, they provide bright, detailed views for observation.



Image 1.1: Front view of the VANGUARD VEO ED 10x50 Binoculars.

2. WHAT'S IN THE BOX

Upon unpacking your VANGUARD VEO ED 10x50 binoculars, please ensure all the following items are present:

- VANGUARD VEO ED 10x50 Binoculars
- Neck Strap
- Carrying Case
- Objective Lens Caps

- Eyepiece Rain Guard
- Lens Cleaning Cloth

3. SETUP

3.1 Attaching the Neck Strap

Thread the ends of the neck strap through the strap lugs on each side of the binocular body. Secure the strap by feeding it back through the buckle, ensuring it is firmly attached and adjusted to a comfortable length for carrying.

3.2 Adjusting the Eyecups

The VEO ED 10x50 binoculars feature three-stage twist-up eyecups. Rotate the eyecups counter-clockwise to extend them for use without eyeglasses. If you wear eyeglasses, twist the eyecups clockwise until they are fully retracted to achieve the full field of view.



Image 3.1: Rear view showing the adjustable eyecups.

3.3 Adjusting Interpupillary Distance

Hold the binoculars up to your eyes and look through them. Adjust the distance between the two barrels by moving them closer together or further apart until you see a single, clear, circular field of view. This ensures proper alignment with your eyes.

3.4 Diopter Adjustment

The diopter adjustment compensates for differences in vision between your left and right eyes. Follow these steps:

1. Close your right eye or cover the right objective lens.

2. Look through the left eyepiece with your left eye and rotate the central focus wheel until the image is sharp.
3. Close your left eye or cover the left objective lens.
4. Look through the right eyepiece with your right eye and rotate the diopter adjustment ring (located on the right eyepiece) until the image is sharp. Do not use the central focus wheel during this step.
5. Once adjusted, the diopter can be locked to prevent accidental changes.



Image 3.2: Close-up of the central focus wheel and diopter adjustment ring.

3.5 Tripod Mounting

The VEO ED 10x50 binoculars feature a 1/4-inch thread located under the front cap of the central hinge, allowing them to be mounted on a tripod for extended viewing sessions. An optional BA-185 adapter (not included) is required for this purpose.



Image 3.3: Bottom view showing the tripod mount thread.

4. OPERATING INSTRUCTIONS

4.1 General Observation

Once the interpupillary distance and diopter are set, simply use the central focus wheel to bring objects into sharp focus. For best results, hold the binoculars steady with both hands. The 10x magnification provides a powerful view, while the 50mm objective lenses gather ample light for bright images.

4.2 Video Overview

For a visual guide on the features and operation of Vanguard binoculars, please refer to the video below. While this video specifically mentions the VEO HD2 model, many operational aspects, such as eyecup adjustment, focus, and tripod mounting, are similar to your VEO ED 10x50 binoculars.

Your browser does not support the video tag.

Video 4.1: Overview of Vanguard Binocular Features (VEO HD2 model shown, features are similar).

5. MAINTENANCE

5.1 Cleaning the Lenses

To clean the ED glass lenses, first use a soft brush or compressed air to remove any dust or loose particles. Then, gently wipe the lenses with the provided lens cleaning cloth or a clean, soft microfiber cloth. For stubborn smudges, use a small amount of lens cleaning fluid specifically designed for optics, applied to the cloth, not directly to the lens.



Image 5.1: Angled view highlighting the objective lenses.

5.2 Cleaning the Body

The carbon composite body with Premium Mitsubishi Rubber Armour can be cleaned with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials, as these can damage the finish.

5.3 Storage

Store your binoculars in a cool, dry place, preferably in their carrying case, when not in use. Avoid exposing them to extreme temperatures or high humidity for prolonged periods. Ensure lens caps are in place to protect the optics from dust and scratches.

5.4 Waterproof and Fog-proof Features

The VEO ED 10x50 binoculars are 100% waterproof to IPX-7 standards and fog-proof, meaning they are sealed against moisture and internal fogging. While designed for challenging weather, avoid unnecessary submersion and always dry the exterior thoroughly after exposure to water.

6. TROUBLESHOOTING

- **Blurry Image:** Ensure the central focus wheel is adjusted correctly for your viewing distance. Re-check the diopter setting for your individual eye differences. Make sure the eyecups are set appropriately for whether you wear eyeglasses or not.
- **Double Image:** This usually indicates incorrect interpupillary distance. Adjust the distance between the binocular barrels until you see a single, merged image.
- **Internal Fogging:** While the binoculars are fog-proof, extreme temperature changes can sometimes cause temporary external condensation. If internal fogging persists, contact customer support.
- **No Image:** Verify that the objective lens caps and eyepiece rain guard have been removed.

7. SPECIFICATIONS

Feature	Specification
Brand	VANGUARD
Model Name	VEO ED 1050
Magnification	10x
Objective Lens Diameter	50 mm
Prism Type	Roof Prism
Glass Type	Extra Low Dispersion (ED) Glass
Coating	Multiguard 4 - Fully Multi Coated
Field of View	5.4 Degrees
Eye Relief	19 mm
Exit-Pupil Diameter	5 mm
Water Resistance Level	Waterproof (IPX-7)
Fog Proof	Yes
Focus Type	Center Focus, Manual Focus
Body Material	Carbon Composite with Premium Mitsubishi Rubber Armour
Item Weight	780 Grams
Item Dimensions (L x W x H)	5.51" x 2.36" x 6.3"

8. WARRANTY INFORMATION

VANGUARD products are designed for reliability and performance. Specific warranty terms and conditions for your VEO ED 10x50 binoculars are typically included with your product packaging or can be found on the official VANGUARD website. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or to inquire about accessories, please visit the official VANGUARD website or contact their customer service department. You can find contact information and FAQs at www.vanguardworld.com.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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