Visionking VS25-75x70

Visionking 25-75x70 Maksutov Spotting Scope Instruction Manual

Model: VS25-75x70

Introduction

Thank you for choosing the Visionking 25-75x70 Maksutov Spotting Scope. This high-quality optical instrument is designed for clear and detailed observation, featuring a Maksutov-Cassegrain optical design, Bak-4 prisms, and a waterproof, fogproof construction. This manual provides essential information for the proper setup, operation, and maintenance of your spotting scope to ensure optimal performance and longevity.

Product Features

- **Maksutov-Cassegrain Optical Design:** Compact design with a long focal length, providing 25X-75X magnification for observing distant objects, including astronomical bodies.
- **Superior Eyepiece with Bak-4 Prisms:** Maximizes light transmission for vivid, high-contrast images suitable for both daytime viewing (birds, wildlife) and astronomical exploration (planets, moon craters).
- **Durable and Weatherproof:** O-ring sealed, 100% waterproof, and dry nitrogen-purged for 100% fogproof performance in various environmental conditions.
- **Compact and Portable:** Designed for easy transport and assembly, ideal for outdoor activities and travel.

Package Contents

Upon unpacking, please verify that all items listed below are present and in good condition:

- Visionking 25-75x70 Maksutov Spotting Scope
- Tabletop Tripod
- Soft Carrying Case
- Objective Lens Cap
- Eyepiece Cap
- Cleaning Cloth
- Instruction Manual (this document)



Image: The spotting scope, tripod, carrying case, and other accessories included in the package.

Setup

1. **Attach the Tripod:**
   Unfold the legs of the tabletop tripod. Locate the tripod mounting socket on the underside of the spotting scope. Align the tripod screw with the socket and rotate the scope clockwise until it is securely fastened. Ensure the scope is stable on the tripod.



Image: The spotting scope securely mounted on its tripod.

2. **Remove Lens Caps:**
   Remove the objective lens cap from the front of the scope and the eyepiece cap from the rear. Store them in a safe place to prevent loss or damage.

3. **Adjust Eyepiece:**
   If your scope has an adjustable eyepiece, rotate it to a comfortable position for viewing. For eyeglass wearers, retract the eyecup. For non-eyeglass wearers, extend the eyecup.
4. **Optional: Attach Phone Adapter:**
   If using a phone adapter (sold separately), attach it to the eyepiece according to the adapter's instructions. Secure your smartphone in the adapter for digiscoping.



Image: A smartphone attached to the spotting scope eyepiece using a phone adapter.

Operating Instructions

1. **Aiming the Scope:**
   Point the spotting scope towards your desired target. Use the tripod's pan and tilt adjustments to make broad movements.
2. **Adjusting Magnification (Zoom):**
   Rotate the zoom ring on the eyepiece to select your desired magnification between 25X and 75X. Start with the lowest magnification (25X) to easily locate your target, then increase as needed for more detail.



Image: Detail of the eyepiece with labels for 'Focus', 'Eyepiece', and 'Zoom 25X-75X'.

3. **Focusing:**
   Once the target is centered, slowly rotate the focus knob until the image appears sharp and clear. Fine-tune the focus for maximum clarity at your chosen magnification.
4. **Eye Relief:**
   Adjust the eyecup to achieve optimal eye relief, which is the ideal distance between your eye and the eyepiece lens for a full field of view. This is especially important for comfortable extended viewing.

Maintenance

- **Cleaning Lenses:**
  Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe away dust or smudges. For stubborn marks, use a small amount of optical lens cleaning fluid applied to the cloth, not directly to the lens.
- **Body Cleaning:**
  Wipe the body of the scope with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Waterproof and Fogproof Care:**

While the scope is waterproof and fogproof, avoid unnecessary exposure to extreme conditions. After use in wet environments, wipe the scope dry before storing. Do not attempt to disassemble the scope, as this will compromise its waterproof and fogproof seals.



Image: The spotting scope in water, highlighting its IPX7 waterproof feature.

- **Storage:**
  When not in use, store the spotting scope in its carrying case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure lens caps are in place to protect the optics.

Troubleshooting

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Focus knob not adjusted correctly; high magnification without fine-tuning.	Rotate the focus knob slowly until the image is sharp. Start at lower magnification to find the target, then zoom in and refocus.
Dark or obstructed view.	Lens caps still on; objective lens or eyepiece dirty; incorrect eye relief.	Ensure both objective and eyepiece caps are removed. Clean lenses with a soft cloth. Adjust eyecup for proper eye relief.
Image appears shaky or unstable.	Tripod not stable; scope not securely mounted.	Ensure tripod legs are fully extended and stable on a flat surface. Tighten the scope's mounting screw to the tripod. Avoid touching the scope during observation.
Fogging inside the lens.	Extreme temperature changes; seals compromised (unlikely for new product).	Allow the scope to acclimate to ambient temperature. If fogging persists and is internal, contact customer support. External fogging can be wiped away.

Specifications

Feature	Detail
Model Number	VS25-75x70
Magnification	25-75x
Objective Lens Diameter	70mm

Feature	Detail
Optical Design	Maksutov-Cassegrain
Prism Type	Bak-4
Waterproof	100% (O-ring sealed)
Fogproof	100% (Dry Nitrogen-purged)
Product Dimensions	33.78 x 10.41 x 17.02 cm
Item Weight	1.56 kg
Primary Use	Birdwatching, Hunting, Target Shooting, Astronomical Observation



Image: Dimensional drawing of the spotting scope, indicating length and height.

Warranty and Support

Your Visionking 25-75x70 Maksutov Spotting Scope comes with a one-year hassle-free warranty. This warranty covers manufacturing defects and ensures your product performs as expected under normal use.
For technical support, warranty claims, or any questions regarding your product, please contact Visionking customer service through the retailer where you purchased the product or visit the official Visionking website for contact information. Please retain your proof of purchase for warranty purposes.

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Question

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

Details

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