Arken Optics SH4J-6240VPR

Arken Optics SH4J 6-24X50 Rifle Scope Instruction Manual

Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Arken Optics SH4J 6-24X50 Rifle Scope. Designed for precision and durability, this scope features Japanese ELD glass, a First Focal Plane (FFP) illuminated reticle, and a robust zero stop mechanism. Please read this manual thoroughly before using your scope to ensure optimal performance and longevity.

Setup

Proper installation and initial setup are crucial for the accuracy and performance of your rifle scope.

1. Mounting the Scope

The Arken Optics SH4J is designed with a 34mm main tube for enhanced durability and adjustment range. It is compatible with standard rail mount systems. Ensure that the scope rings are correctly aligned and tightened according to the manufacturer's specifications for your chosen mount. Avoid over-torquing the scope rings, as this can affect the scope's internal mechanisms, including parallax adjustment.



Image: The Arken Optics SH4J 6-24X50 Rifle Scope, showcasing its main body, objective lens, eyepiece, and adjustment turrets.

2. Setting the Zero Stop

The SH4J features an AZS Zero Stop System for a fast and reliable return to your established zero. After zeroing your rifle, follow the specific instructions provided with your scope for setting the zero stop. This mechanism prevents dialing below your zero, ensuring consistent adjustments.

3. Adjusting Parallax

Parallax is the apparent shift in the reticle's position relative to the target when the shooter's eye moves. The SH4J includes a side knob parallax adjustment. Rotate this knob until the target and reticle appear sharp and there is no apparent movement between them when you slightly move your head. Range numbers are visible while in the shooting position for convenience.

4. Focusing the Reticle

Use the fast focus eyepiece to achieve a sharp reticle image. Look through the scope at a blank, bright background (like the sky) and quickly adjust the eyepiece until the reticle appears crisp and clear. Avoid staring at the reticle for too long during this adjustment, as your eye may compensate for blurriness.

Operating the Scope

Understanding the scope's controls is essential for effective use in various shooting scenarios.

1. Magnification Adjustment

The SH4J offers a magnification range of 6-24x. Rotate the magnification ring located near the eyepiece to adjust the zoom level. As a First Focal Plane (FFP) scope, the reticle size will change proportionally with the magnification, ensuring accurate subtensions at all power settings.

2. Elevation and Windage Turrets

The scope features adjustable elevation and windage turrets with tactile and audible clicks. Each click represents a precise adjustment value (e.g., 0.1 MIL or 1/4 MOA, depending on the specific model). The turrets offer 8 MILS or 20 MOA per revolution, allowing for significant adjustments. Use these turrets to compensate for bullet drop and wind drift.



Image: A top-down view of the Arken Optics SH4J scope, showing the detailed markings on the elevation and windage adjustment turrets.

3. Illuminated Reticle

The SH4J features a Christmas-tree style reticle with an illuminated center dot. This illumination aids in target acquisition in low-light conditions. Refer to your scope's specific controls for adjusting the brightness level of the illumination.

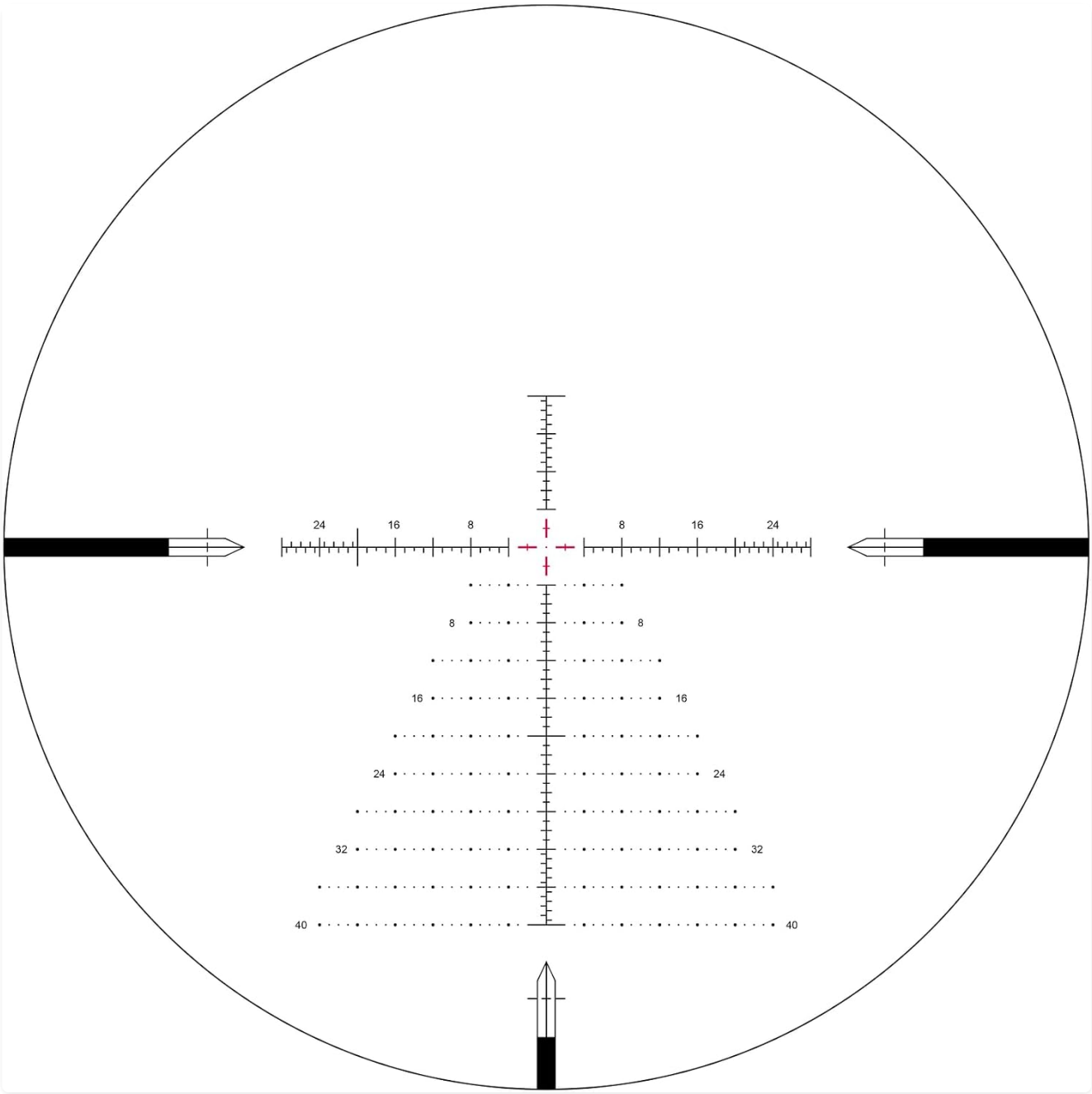


Image: The VPR reticle pattern, a Christmas-tree style design with an illuminated center dot, providing multiple holdover and windage reference points.

Maintenance

Regular maintenance will preserve the performance and appearance of your Arken Optics SH4J scope.

1. Cleaning Lenses

The scope features fully multi-coated lenses for superior light transmission. To clean, first use a soft brush or compressed air to remove any loose dust or debris. Then, gently wipe the lenses with a clean microfiber cloth and a lens cleaning solution. Avoid using harsh chemicals or abrasive materials that could damage the coatings.

2. Cleaning the Scope Body

Wipe the exterior of the scope with a soft, damp cloth to remove dirt and fingerprints. For stubborn grime, a mild soap solution can be used, followed by wiping with a clean, damp cloth. Ensure all moisture is removed before storage.

3. Environmental Protection

The SH4J is O-ring sealed and nitrogen purged, providing waterproof and fogproof performance. While designed to withstand harsh conditions, it is recommended to dry the scope thoroughly after exposure to moisture and store it in a cool, dry place when not in use.

4. Construction

The scope's single-piece tube is constructed from aircraft-grade aluminum, ensuring strength and shockproof performance. This robust construction minimizes the need for internal maintenance.

Troubleshooting

If you encounter issues with your Arken Optics SH4J scope, consider the following common troubleshooting steps:

- **Unclear Image/Reticle:** Ensure the eyepiece is correctly focused for your eye and the parallax is adjusted for the target distance.
- **Inaccurate Adjustments/Zero Shift:** Verify that the scope is securely mounted and the rings are tightened to the correct torque specifications. Check for any loose components on the rifle or mount.
- **Illumination Issues:** Check the battery for the illuminated reticle. Replace if necessary. Ensure the brightness control is functioning correctly.
- **Fogging:** While the scope is nitrogen purged, extreme temperature changes can sometimes cause external condensation. Allow the scope to acclimate to the environment. If internal fogging occurs, contact customer support.

For persistent or complex issues, please refer to the support section for manufacturer contact information.

Specifications

Feature	Detail
Brand	Arken Optics
Model Name	SH4J-6240VPR
Magnification Maximum	24 x
Objective Lens Diameter	50 Millimeters
Tube Diameter	34mm
Reticle Type	VPR (First Focal Plane, Illuminated)
Material	Aircraft Grade Aluminum
Product Dimensions	35.81 x 8.89 x 8.89 cm
Item Weight	1.02 kg (36 Ounces)
Field Of View	20.88 Feet
Mounting Type	Rail Mount

Feature	Detail
Compatible Devices	Rifle
Waterproof	Yes
Fogproof	Yes

Warranty

The Arken Optics SH4J Rifle Scope is backed by a **Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official Arken Optics warranty policy or contact customer support.

Support

For technical assistance, warranty claims, or any other inquiries regarding your Arken Optics SH4J Rifle Scope, please contact the manufacturer directly:

Manufacturer: Arken Optics
Address: 6217 Hwy 66 Greenville 75402 TX US
Phone: +12145525661

You may also visit the official Arken Optics website for additional resources and support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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.

Submit question