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Hawkeye 3-18x50 FFP Celestial Archeer

Hawkeye 3-18x50 FFP Rifle Scope User Manual

Model: Celestial Archeer (3-18x50 FFP)

1. INTRODUCTION

Thank you for choosing the Hawkeye 3-18x50 FFP Rifle Scope. This high-performance tactical rifle scope is designed for precision shooting at mid to long distances, offering exceptional clarity, durability, and advanced features. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance and longevity of your scope.



Image: The Hawkeye 3-18x50 FFP Rifle Scope, a high-performance tactical optic.

2. PRODUCT OVERVIEW

2.1 Key Features

- High performance tactical rifle scope with 3-18x magnification for mid to long distance shooting out to 1000+ yards.
- Equipped with a parallax adjustment dial that allows for sharper focus of the target image, elimination of parallax, and range estimation.
- Parallax corrected & unlimited eye-relief, helping you acquire targets quickly.
- Fully adjustable height, brightness, windage, and elevation.
- Single-piece tube constructed from aircraft-grade aluminum ensures strength and shockproof performance.
- Comes with a split bracket for a better design experience.
- IPX7 Waterproof construction – Sealed optics stay dry inside, even when immersed in three feet of water for up to 30 minutes.
- Illuminated MIL Reticle with 6 levels of brightness adjustment.
- ED Green Film Lens for enhanced light transmission and clarity.

2.2 Components

Your Hawkeye 3-18x50 FFP Rifle Scope package includes the following components:

- Hawkeye 3-18x50 FFP Rifle Scope
- Objective lens cover
- Ocular lens cover
- Wiping cloth
- Split bracket (mounting rings)



Image: All components included with the Hawkeye 3-18x50 FFP Rifle Scope, including the scope, lens covers, and cleaning cloth.



Image: Diagram showing key features and adjustment points of the Hawkeye 3-18x50 FFP Rifle Scope, including turrets and lenses.

3. SETUP

3.1 Mounting the Scope

Ensure your rifle is unloaded and safe before beginning the mounting process. Use the provided split bracket (mounting rings) to securely attach the scope to your rifle's rail system. Proper mounting is crucial for accuracy and consistent performance.

1. Attach the bottom halves of the mounting rings to your rifle's rail, ensuring they are spaced appropriately for the scope's length.
2. Place the scope into the bottom halves of the rings. Adjust the scope's position forward or backward to achieve optimal eye relief.
3. Rotate the scope to ensure the reticle is level. A reticle leveling tool is recommended for precision.
4. Place the top halves of the mounting rings over the scope and tighten the screws evenly, alternating between screws to apply even pressure. Do not overtighten.
5. Verify that the scope is securely mounted and the reticle is level.

3.2 Initial Adjustments

Before zeroing, familiarize yourself with the adjustment turrets and parallax dial.

- **Magnification Ring:** Located near the ocular lens, rotate to adjust magnification from 3x to 18x.
- **Diopter Adjustment:** Adjust the ring near the ocular lens to achieve a sharp focus of the reticle for your eye.
- **Parallax Adjustment:** The side turret adjusts parallax. Turn it until the target image is clear and the reticle appears to be on the same plane as the target, eliminating parallax error.
- **Windage and Elevation Turrets:** These turrets are used for adjusting the point of impact. Each click typically represents 1/10 MIL.
- **Illumination Dial:** Located on the parallax turret, this dial controls the brightness of the illuminated reticle.



Image: Close-up view of the objective lens, ocular lens, and adjustment turrets (windage, elevation, and illumination dial) on the Hawkeye Rifle Scope.



Image: Technical drawing illustrating the key dimensions of the Hawkeye 3-18x50 FFP Rifle Scope in both inches and millimeters.

4. OPERATING THE SCOPE

4.1 Magnification Adjustment

Rotate the magnification ring to select your desired power setting between 3x and 18x. The First Focal Plane (FFP) reticle ensures that the reticle size scales with the magnification, allowing for accurate MIL measurements at any power setting.

4.2 Parallax Adjustment

The parallax adjustment dial, located on the left side turret, should be set to match the distance to your target. This eliminates parallax error, ensuring the reticle and target remain in focus regardless of minor head movements. Turn the dial until the target appears sharp and clear.

4.3 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 allow you to adjust the point of impact of your shots. Each click of the turret moves the point of impact by 1/10 MIL at 100 yards. To adjust, lift the turret, make your adjustments, and then push it back down to lock it in place. The turrets feature a zero reset feature for convenience after zeroing.



Image: The Hawkeye 3-18x50 FFP Rifle Scope with an overlay of its detailed MIL reticle, demonstrating the First Focal Plane design.



Image: Close-up view of the elevation and windage turrets, showing the 1/10 MIL click adjustments.

4.4 Illuminated Reticle

The illuminated MIL reticle enhances visibility in low-light conditions or against dark backgrounds. Rotate the illumination dial on the parallax turret to select one of the 6 brightness levels. Turn the dial to the "off" position when not in use to conserve battery life.



Image: Detailed view of the illumination dial on the Hawkeye Rifle Scope, showing the 6 different brightness settings.

5. MAINTENANCE

5.1 Cleaning the Lenses

To maintain optical clarity, keep the lenses clean. Use the provided wiping cloth or a soft, lint-free optical cloth. Gently brush away any loose dust or debris before wiping. For stubborn smudges, a small amount of lens cleaning fluid designed for optics can be applied to the cloth, not directly to the lens.



Image: Close-up of the ED Green Film Lens on the Hawkeye Rifle Scope, highlighting its coating for improved light transmission.

5.2 General Care and Storage

- Always replace the objective and ocular lens covers when the scope is not in use to protect the lenses from dust and scratches.
- Store the scope in a cool, dry place, away from direct sunlight and extreme temperatures.
- While the scope is IPX7 waterproof, it is good practice to wipe it dry after exposure to moisture.
- Avoid dropping or subjecting the scope to severe impacts, as this can affect its internal components and zero.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Blurry Image / Cannot Focus	Incorrect parallax setting; Diopter not adjusted; Dirty lenses.	Adjust the parallax dial to match target distance. Adjust the diopter ring for a sharp reticle. Clean lenses with the provided cloth.
Reticle Not Illuminating	Battery drained; Incorrect illumination setting.	Replace the battery (check manual for battery type, typically CR2032). Ensure the illumination dial is turned to a numbered setting, not "off".
Inconsistent Point of Impact / Cannot Hold Zero	Loose mounting rings; Damaged scope; Improper shooting technique.	Check and tighten mounting rings evenly. If problem persists, contact customer support. Ensure consistent shooting form.
Turrets Not Clicking / Stiff	Debris in mechanism; Extreme temperature.	Operate turrets gently. If stiff, try moving them through their full range of motion. Avoid extreme temperatures. If problem persists, contact support.

7. SPECIFICATIONS

Feature	Detail
Brand	Hawkeye
Model Name	Celestial Archeer
Magnification	3-18x
Objective Lens Diameter	50 mm
Reticle Type	MIL-Dot (FFP)
Illumination	6 Levels Illuminated Adjustment
Material	Aircraft-grade Aluminum (6061-T6 Alu Monotube)
Color	Black
Product Dimensions (L x W x H)	15.2" L x 3.5" W x 2.5" H (386mm x 89mm x 63.5mm)
Item Weight	1.7 Pounds (approx. 0.77 kg)
Waterproof Rating	IPX7 (immersed in 3 feet of water for up to 30 minutes)
Shockproof	Yes
Fogproof	Yes
Compatible Devices	Rifle
Mounting Type	Ring Mount (Split Bracket included)
Light Transmission	87-88%
Included Components	Objective lens cover, Ocular lens cover, Wiping cloth

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

The Hawkeye 3-18x50 FFP Rifle Scope comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, unauthorized modification, accident, or neglect.

8.2 Customer Support

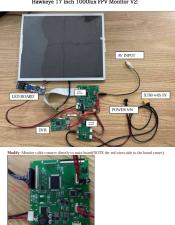
For technical assistance, warranty claims, or any questions regarding your Hawkeye Rifle Scope, please contact our customer support team. While specific contact details are not provided in this manual, you can typically find support information on the manufacturer's official website or through the retailer where the product was purchased. We are committed to providing excellent service and ensuring your satisfaction with our products.

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Related Documents - 3-18x50 FFP Celestial Archeer

 <p>Hawkeye 4K Split/Naked Cam 3D/Gyroflow V4 User Manual User manual for the Hawkeye 4K Split/Naked Cam 3D/Gyroflow V4, covering features, settings, installation, and firmware updates.</p>
 <p>Hawkeye 4K Thumb Cam 3 Internal EIS User Manual and Specifications Comprehensive user manual and technical specifications for the Hawkeye 4K Thumb Cam 3 with Internal EIS, covering setup, features, video settings, firmware updates, and safety guidelines.</p>
 <p>HawkEye FishPod 5X Troubleshooting and Tips Guide Find solutions to common issues with the HawkEye FishPod 5X, including battery charging, sonar readings, pool usage, boat movement, and battery life. Access support articles for further assistance.</p>

 <p>Hawkeye 4K Thumb Cam 2 Gyroflow Smooth User Manual</p>	<p>User manual for the Hawkeye 4K Thumb Cam 2 with Gyroflow Smooth, detailing features, setup, recording, Gyroflow software, and system settings for FPV and action photography.</p>
 <p>HawkEye HS221, HS421, HE421 Sensors Parts Manual - Hunter Engineering</p>	<p>Detailed parts manual for Hunter Engineering's HawkEye HS221, HS421, and HE421 sensor systems, including diagrams and part listings for assembly and maintenance.</p>
 <p>Hawkeye 17-inch 1000lux FPV Monitor V2: Specifications and Setup Guide</p>	<p>Comprehensive overview and setup guide for the Hawkeye 17-inch 1000lux FPV Monitor V2. Details component connections, power input, button controls, AV input, and physical specifications.</p>