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Steiner 8762900204

Steiner Ranger 3-12x56 Riflescope User Manual

Model: 8762900204

INTRODUCTION

The Steiner Ranger 3-12x56 riflescope is a high-performance optical instrument designed for precision aiming in various light conditions, particularly suited for hunting. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your riflescope.



Figure 1: The Steiner Ranger 3-12x56 Rifle scope, showcasing its robust design and optical components.

SETUP

Proper setup is crucial for optimal performance and safety. Ensure the rifle scope is securely mounted to your rifle according to the manufacturer's instructions for your specific mounting system.

Mounting the Rifle scope

1. Ensure the rifle is unloaded and pointed in a safe direction.
2. Attach appropriate scope rings to your rifle's mounting base.
3. Carefully place the Steiner Ranger 3-12x56 rifle scope into the lower half of the rings.
4. Attach the upper halves of the rings and tighten the screws evenly, following the torque specifications provided by your ring manufacturer. Do not overtighten.
5. Adjust the eye relief by sliding the scope forward or backward until you achieve a full, clear field of view when shouldering the rifle.
6. Ensure the reticle is level with the rifle's bore. Use a leveling tool for precision.

Diopter Adjustment

The rifle scope features diopter compensation to ensure a sharp reticle image for users with varying eyesight.

1. Point the riflescope at a plain, bright background (e.g., a clear sky).
2. Look through the eyepiece and quickly glance away.
3. While looking away, adjust the diopter ring (located on the eyepiece) until the reticle appears perfectly sharp and clear when you quickly look back through the scope.
4. Once set, avoid further adjustment unless your vision changes.

OPERATING THE RIFLESCOPE

Magnification Adjustment

The Steiner Ranger 3-12x56 offers variable magnification from 3x to 12x. Rotate the magnification ring, located near the eyepiece, to adjust the desired power. The numbers on the ring indicate the current magnification setting.

Reticle Illumination (4A-I Reticle)

The 4A-I reticle features an illuminated dot for enhanced visibility in low light conditions. The illumination control is typically located on the left side turret.

- Rotate the illumination dial to turn the reticle illumination on and adjust its brightness. There are three distinct positions for target acquisition.
- The illuminated dot is designed to be bright enough for use in daylight and is not dimmable for twilight/night use, ensuring optimal visibility in challenging light.
- The riflescope features a memory function that recalls the last illumination setting upon activation.
- An automatic shutdown feature deactivates the illumination after 3 hours of inactivity to conserve battery life.

Windage and Elevation Adjustment

The riflescope features external turrets for precise windage (horizontal) and elevation (vertical) adjustments to zero your rifle.

- Remove the protective caps from the windage (side) and elevation (top) turrets.
- Rotate the elevation turret to adjust the point of impact vertically.
- Rotate the windage turret to adjust the point of impact horizontally.
- Each click of the turret corresponds to a specific change in point of impact at 100 meters (refer to your scope's specific click values, typically 1/4 MOA or 0.1 MRAD).
- After zeroing, replace the protective caps to prevent accidental adjustments.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your Steiner Ranger riflescope.

Cleaning the Lenses

- Use a soft brush or compressed air to remove loose dust and debris from the lens surfaces.
- Apply a small amount of lens cleaning fluid to a clean microfiber cloth.
- Gently wipe the lens surfaces in a circular motion, starting from the center and moving outwards.
- Avoid using harsh chemicals, abrasive cloths, or excessive pressure, as these can damage the lens coatings.

General Care

- Keep the protective lens caps on when the riflescope is not in use.
- Store the riflescope in a dry, cool place, away from direct sunlight and extreme temperatures.
- Periodically check the mounting screws for tightness, but do not overtighten.
- The riflescope is nitrogen-filled for fog-proof and waterproof performance (up to 2m). Do not attempt to disassemble the scope, as this will compromise its seals.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurred Reticle	Incorrect diopter setting.	Adjust the diopter ring until the reticle is sharp.
Blurred Image	Dirty lenses; Incorrect focus (if applicable, though this model is fixed parallax); Eye relief issue.	Clean lenses; Adjust eye relief; Ensure proper mounting.
Point of Impact Shift	Loose mounting screws; Impact damage; Incorrect zeroing.	Check and tighten mounting screws; Re-zero the rifle; Inspect for damage.
Reticle Illumination Not Working	Dead battery; Illumination turned off; Faulty contact.	Replace battery; Turn on illumination; Check battery compartment for corrosion.

SPECIFICATIONS

- **Model:** Steiner Ranger 3-12x56
- **Model Number:** 8762900204
- **Magnification:** 3x - 12x
- **Objective Lens Diameter:** 56 mm
- **Reticle:** 4A-I (Illuminated)
- **Material:** Aluminum
- **Weight:** 710 grams (approx. 1.56 lbs)
- **Length:** 337 mm (approx. 13.27 inches)
- **Water Resistance:** Up to 2 meters
- **Fog Proof:** Nitrogen-filled
- **Operating Temperature:** -25 °C to +65 °C (-13 °F to +149 °F)
- **Compatible Devices:** Rifle
- **Night Vision:** No
- **Batteries Included:** No (for illumination)

WARRANTY AND SUPPORT

Steiner products are known for their quality and durability. For detailed warranty information and customer support, please refer to the official Steiner website or contact your authorized Steiner dealer. Keep your proof of purchase for warranty

claims.

Manufacturer: Steiner

Website: www.steiner.de

