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Steiner 8772

Steiner Predator 4 Series Hunting Rifle Scope User Manual

Model: 4-16x50mm with Illuminated E3 Reticle

Brand: Steiner

1. INTRODUCTION AND OVERVIEW

The Steiner Predator 4 Series riflescope is engineered for hunters, offering a compact and lightweight design combined with Steiner's renowned military-grade ruggedness and durability. This manual provides essential information for the proper setup, operation, and maintenance of your 4-16x50mm Predator 4 riflescope, ensuring optimal performance in various hunting conditions.

Key features include best-in-class optical clarity, a massive field of view, industry-leading light transmission, and exceptional low-light performance. The illuminated, second focal plane E3 reticle is specifically designed for hunting applications, providing clear visibility regardless of magnification setting and offering useful holdover and windage reference marks.



Figure 1.1: The Steiner Predator 4 Series 4-16x50mm Rifle Scope, showcasing its robust design and optical clarity.

HUNTING

PREDATOR 4 SERIES

HD GLASS MEETS
PREDATOR
DIAMOND
COATING



THE NEW PREDATOR 4 RIFLESCOPES OFFERS A COMPACT, LIGHTWEIGHT DESIGN WHILE PROVIDING THE MILITARY RUGGEDNESS AND DURABILITY YOU'VE COME TO EXPECT FROM STEINER!

PREDATOR 4 SERIES OVERALL FEATURES

- RUGGED AND LIGHTWEIGHT
- BEST-IN-CLASS OPTICAL CLARITY
- MASSIVE FIELD OF VIEW
- INDUSTRY LEADING LIGHT TRANSMISSION
- VERSATILE FOR DIFFERENT HUNTING PURSUITS
- PREDATOR DIAMOND COATING

The 6-24x is the western hunter's dream and longest range scope in the Predator 4 line. The 50mm objective lens provides a large field of view and the E3 reticle helps you estimate holdover for windage and elevation.

6-24X50 PREDATOR 4 6-24X50



ITEM NO. 8773 | E3 RETICLE UPC 840229105496

The 4-16x offers the best of both worlds. It has enough zoom to make long shots using the windage and elevation holdovers on the E3 reticle. The 50mm objective provides a large field of view which also helps in low light hunting situations.

4-16X50 PREDATOR 4 4-16X50



ITEM NO. 8772 | E3 RETICLE UPC 840229105489

The 2.5-10x is built for the dense forests of the Midwest and Eastern US. It's light, compact and has the largest field of view making it ideal for low light situations where the lit reticle also comes in pretty handy.

2.5-10X42 PREDATOR 4 2.5-10X42



ITEM NO. 8770 | E3 RETICLE UPC 840229105458

Figure 1.2: Overview of the Predator 4 Series, highlighting different magnification options and their features. The 4-16x50mm model offers versatility for both long-range shots and wide field of view in low light.

2. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Steiner Predator 4 rifle scope:

- **Objective Lens:** The front lens that gathers light.
- **Main Tube:** The primary body of the scope.

- **Windage Turret:** Adjusts horizontal point of impact.
- **Elevation Turret:** Adjusts vertical point of impact.
- **Parallax Adjustment Knob:** Located on the side, adjusts for parallax error at different distances.
- **Illumination Control:** Integrated with the parallax knob, controls reticle brightness.
- **Eyepiece:** The rear section of the scope.
- **Diopter Adjustment Ring:** Located on the eyepiece, adjusts reticle focus for individual eyesight.
- **Magnification Ring:** Adjusts the scope's magnification level.



Figure 2.1: Side view of the Steiner Predator 4 riflescope, showing the main turrets and adjustment knobs.

3. MOUNTING AND INSTALLATION

Proper mounting is crucial for accuracy and consistent performance. It is recommended to have your scope mounted by a qualified gunsmith. Ensure the scope rings and base are compatible with your rifle and the scope's 30mm main tube.

1. **Secure the Base:** Attach the scope base securely to your rifle's receiver according to the manufacturer's instructions.
2. **Attach Rings:** Place the bottom halves of the scope rings onto the base.
3. **Position Scope:** Carefully place the Predator 4 riflescope into the bottom rings. Adjust the scope's position forward or backward to achieve proper eye relief.
4. **Level the Reticle:** Rotate the scope until the E3 reticle is perfectly level with the rifle. Use a reticle leveling tool for best results.
5. **Install Top Rings:** Place the top halves of the rings over the scope and tighten the screws evenly, following the torque specifications provided by the ring manufacturer. Do not overtighten.
6. **Final Check:** Verify that the scope is securely mounted, the reticle is level, and eye relief is comfortable.

4. INITIAL ADJUSTMENTS AND ZEROING

4.1. Diopter Adjustment

This adjustment focuses the reticle for your individual eyesight, ensuring the reticle appears sharp and clear.

1. Point the scope at a plain, bright background (e.g., a clear sky or a blank wall).
2. Look through the scope and quickly glance away.
3. While looking away, adjust the diopter ring on the eyepiece until the reticle appears perfectly sharp the instant you look through the scope.
4. Repeat until the reticle is instantly clear without eye strain.

4.2. Zeroing the Scope

Zeroing aligns the scope's point of aim with the rifle's point of impact at a specific distance (e.g., 100 yards).

1. Set up a target at your desired zeroing distance (e.g., 100 yards).

2. From a stable shooting position, fire a group of three shots.
3. Observe the point of impact relative to your aim point.
4. Adjust the elevation and windage turrets. Each click of the turret moves the point of impact by 1/4 MOA (Minute of Angle). Turn the turrets in the direction indicated to move the point of impact towards the center of the target.
5. Fire another group of shots and repeat adjustments until the rifle is zeroed.

4.3. Parallax Adjustment

The parallax adjustment knob (located on the left side, integrated with illumination control) eliminates parallax error, ensuring the reticle and target are on the same focal plane. This is especially important at higher magnifications and varying distances.

- While looking through the scope, turn the parallax knob until the target appears sharp and clear.
- To check for parallax, slightly move your head up and down or side to side. If the reticle appears to move relative to the target, parallax is present. Continue adjusting until the reticle remains stationary on the target regardless of slight head movement.
- The parallax adjustment ranges from 18 yards to infinity.

5. OPERATING THE SCOPE

5.1. Magnification Adjustment

The magnification ring is located at the front of the eyepiece. Rotate it to select your desired magnification level between 4x and 16x. The E3 reticle is in the second focal plane, meaning its size remains constant regardless of magnification, allowing crosshairs to remain fully visible.

5.2. E3 Reticle Usage

The illuminated E3 reticle is designed for quick and accurate target acquisition and holdovers. It features:

- **BDC (Bullet Drop Compensation) Holdover Marks:** These marks are provided for each 100-yard increment along the lower vertical crosshair, assisting with bullet drop at various distances.
- **Windage Reference Marks:** The reticle includes 5 MPH and 10 MPH crosswind reference marks for every 100-yard increment, aiding in wind compensation.

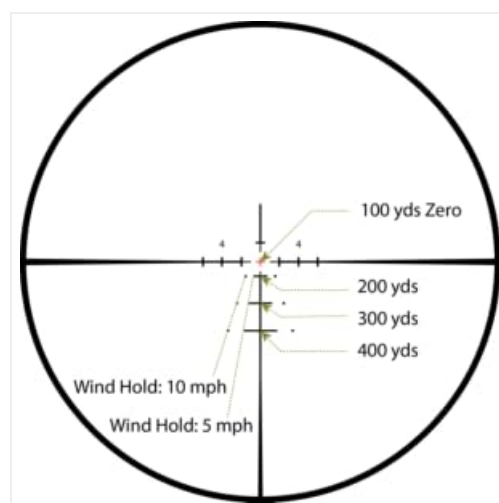


Figure 5.1: Detailed diagram of the E3 Reticle, illustrating the 100-yard zero, BDC holdover marks, and 5 MPH/10 MPH wind hold marks.

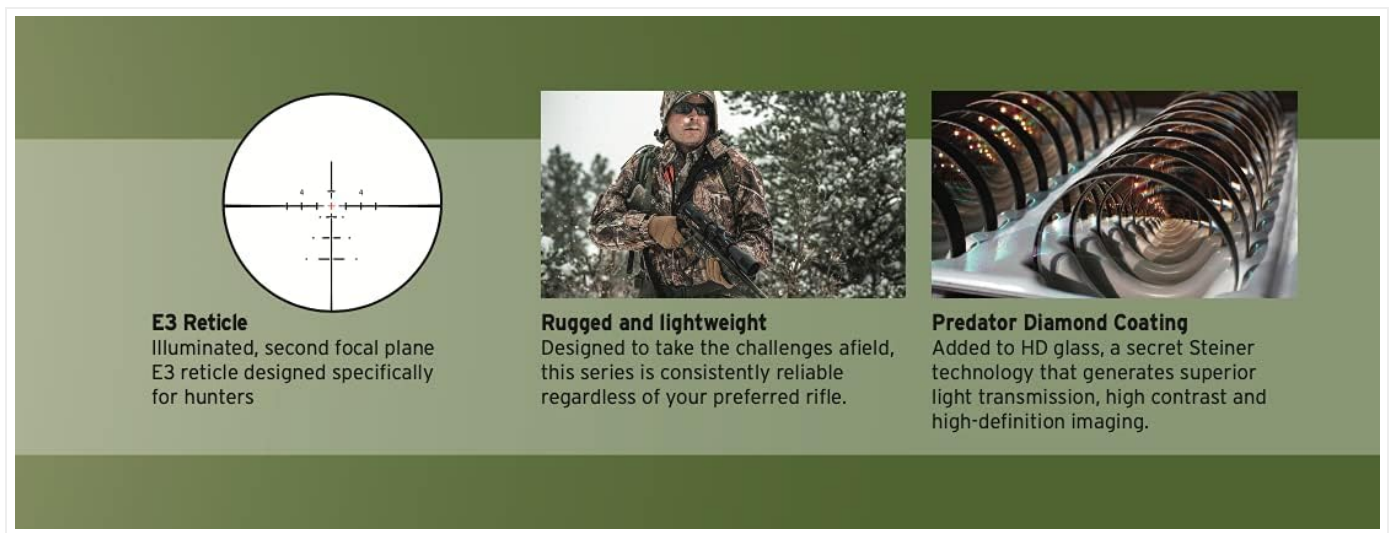


Figure 5.2: Visual representation of the E3 Reticle, emphasizing its design for hunters, the scope's rugged and lightweight build, and the benefits of Predator Diamond Coating for superior light transmission and imaging.

5.3. Reticle Illumination

The illumination control is integrated with the parallax adjustment knob on the left side of the scope. It features 11 total brightness levels (5 day / 6 night settings).

- Rotate the knob to increase or decrease the reticle brightness.
- Intermediate "off" positions are present between each brightness level, allowing you to quickly return to your preferred setting.
- The illumination is powered by a CR2032 battery.

6. CARE AND MAINTENANCE

Proper care will ensure the longevity and performance of your Steiner Predator 4 riflescope.

- **Cleaning Lenses:** Use a soft lens brush to remove dust and loose particles. For smudges or fingerprints, use a clean microfiber lens cloth and a small amount of lens cleaning solution. Breathe lightly on the lens to fog it, then gently wipe with the cloth. Avoid harsh chemicals or abrasive materials.
- **Cleaning Body:** Wipe the scope body with a soft, damp cloth to remove dirt and debris. Dry thoroughly.
- **Storage:** Store the scope in a cool, dry place, preferably in its original packaging or a protective case, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace the CR2032 battery for the reticle illumination as needed. Ensure correct polarity.
- **Waterproof and Fogproof:** The scope is nitrogen-filled and sealed for waterproof and fogproof performance. Do not attempt to disassemble the scope, as this will compromise its integrity and void the warranty.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reticle appears blurry.	Diopter not adjusted correctly for your eye.	Perform diopter adjustment (Section 4.1).

Problem	Possible Cause	Solution
Image is blurry or unclear at certain distances.	Parallax not adjusted for the target distance.	Adjust the parallax knob until the image is sharp and the reticle is stationary on the target (Section 4.3).
Point of impact shifts or is inconsistent.	Loose mounting rings or base; damaged scope; inconsistent shooting technique.	Check all mounting screws for proper torque. If issues persist, contact Steiner Customer Service. Ensure consistent shooting form.
Reticle illumination is dim or not working.	Low or dead battery; incorrect battery insertion.	Replace the CR2032 battery, ensuring correct polarity.
Illumination knob is stiff or difficult to turn.	Manufacturing tolerance; debris.	While some stiffness may be normal for precise adjustments, if excessively difficult, ensure no debris is obstructing. If it significantly hinders operation, contact Steiner Customer Service.

8. SPECIFICATIONS

Technical specifications for the Steiner Predator 4 Series 4-16x50mm Rifle Scope:

SPECIFICATIONS	PREDATOR 4		
	2.5-10x42	4-16x50	6-24x50
ITEM NUMBER	8770	8772	8773
MAGNIFICATION	2.5-10x	4-16x	6-24x
OBJECTIVE LENS DIA.	42mm	50mm	50mm
TUBE DIAMETER	30mm	30mm	30mm
FOCAL PLANE	2nd	2nd	2nd
FIELD OF VIEW @ 100 YD. (YDS.) LOW/HIGH	16m-4m/48ft-12ft	10m-2.5m / 30ft-7.5ft	6.7m-1.7m / 20.1ft-5.1ft
EYE RELIEF	90mm/3.5 inch	90mm/3.5 inch	90mm/3.5 inch
EXIT PUPIL	8.7mm-4.2mm / .34in - .16in	9.2mm- 3mm / .36in - .19in	8.2mm-2mm / .32in - .08in
LENGTH (IN.)	13.3	14.7	14.7
WEIGHT (OZ.)	22.7	23.7	23.5
DIOPTRER ADJUSTMENT RANGE	-3dpt / +2dpt	-3dpt / +2dpt	-3dpt / +2dpt
RETICLE	E3	E3	E3
WINDAGE/ELEVATION CLICK VALUE	1/4 MOA	1/4 MOA	1/4 MOA
MAX ELEVATION RANGE	50 MOA	30 MOA	25 MOA
MAX WINDAGE RANGE	50 MOA	30 MOA	25 MOA
PARALLAX	fixed 100m/109 yds	18m to INF/20y to INF	50m to inf / 55yds to INF
TEMPERATURE RANGE	-13°F to +145°F	-13°F to +145°F	-13°F to +145°F
NITROGEN FILLED/ FOGPROOF	Yes	Yes	Yes
WATERPROOF (FT.)	3 FT	3 FT	3 FT
BATTERY	CR2032	CR2032	CR2032
WARRANTY	Heritage™ Warranty	Heritage™ Warranty	Heritage™ Warranty
MSRP	\$1,039.99	\$1,099.99	\$1,149.99

The Steiner Heritage Warranty means we stand behind our products. Over half a century of building rugged and reliable products for armed forces around the world gives us this confidence.

We will repair or replace your product at no charge to you. It covers all riflescopes and binoculars sold in the US and Canada for the life of the product.

See full warranty details at www.steiner-optics.com/product-warranties

- No warranty card needed.
- No receipt required.
- Warranty is fully transferable to future owners of the product.
- Electronic components are covered by a 3-year warranty.






Figure 8.1: Detailed specifications table for the Predator 4 Series, including the 4-16x50mm model (Item No. 8772).

Feature	Specification
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Feature	Specification
Model Name	Steiner Predator 4 Series Hunting Rifle Scope with Illuminated E3 Reticle
Style	4-16x50mm
Magnification (Min/Max)	4x - 16x
Objective Lens Diameter	50 mm
Reticle Type	E3 (Second Focal Plane)
Illumination Levels	11 (5 Day / 6 Night)
Battery Type	CR2032
Tube Diameter	30 mm
Parallax Adjustment	18 yds to Infinity
Field of View (at 100 yds)	30 Feet (approx. 30 ft)
Item Weight	23.7 Ounces (approx. 672 grams)
Material	Aluminum
Waterproof/Fogproof	Yes (Nitrogen-filled)
UPC	840229105489
Model Number	8772

9. WARRANTY AND CUSTOMER SUPPORT

9.1. Steiner Heritage Warranty

Steiner stands behind its products with the Heritage Warranty. This warranty covers binoculars, riflescopes, rings, and mounts manufactured since 2014. Steiner will repair or replace defective products at no charge for the lifetime of the product. This warranty does not cover damage, loss, or theft.

- No warranty card needed.
- No receipt required.
- Warranty is fully transferable to future owners of the product.
- Electronic components are covered by a 3-year warranty.

For full warranty details and to register your product, visit the official Steiner website www.steiner-optics.com/optics-product-registration

The Steiner Heritage™ Warranty means we stand behind our products. Over half a century of experience building rugged and reliable, mil-spec product and supplying them to armed forces all around the world allows us to have this kind of confidence. We at Steiner are totally committed to the very highest standards of quality, dependability, and most of all customer satisfaction. Our Heritage™ Warranty assures you of that commitment.



STEINER HERITAGE™ WARRANTY - FOR THE LIFE OF THE PRODUCT

Covers Binoculars, Riflescopes, Rings, and Mounts.

Valid in U.S. and Canada only on items manufactured since 2014.

Products manufactured prior to 2014 are covered by the warranty as stated on the original packaging. For warranties in other countries, please visit www.Steiner.de

We will repair or replace the product at no charge to you. The Steiner Heritage Warranty does not cover loss, theft, deliberate damage or cosmetic damage that does not hinder the performance of the product.

- No warranty card needed.
- No receipt required.
- Warranty is fully transferable to future owners of the product.
- Excludes electronic components which are covered by a 3-year warranty
- Excludes accessories.

To register your product online, visit the Binoculars and Riflescopes Warranty Registration page at <https://www.steiner-optics.com/optics-product-registration>

STEINER 2-YEAR WARRANTY

Covers all Night Vision Devices, Laser Aiming Solutions, Beacons and Battle Lights.

**Valid in U.S. and Canada only.
For warranties in other countries,
please visit www.Steiner.de**

For 2 years from the date of purchase, this warranty covers all laser, optical and electrical components, materials and workmanship.

Warranty is void if the product has been abused, misused, neglected, or disassembled prior to the return to the manufacturer.

To register your product online, visit the Laser Devices and Battle Lights Warranty Registration page.
<https://www.steiner-optics.com/optics-product-registration>

CUSTOMER SERVICE

Your Steiner optics are backed by a commitment to optimum performance and your complete satisfaction - today, every day, for generations to come. Any questions or concerns will be quickly addressed by experts at our national headquarters in Greeley, Colorado. Just call us at **970-356-1670 (888-228-7747 toll-free)** Monday through Friday from 8:00 AM to 5:00 PM MST. Or, email us at info@steiner-optics.com. To post ideas, comments or suggestions, go to our Facebook page. We always welcome your input.

Figure 9.1: Official Steiner Optics Product Warranties page, detailing the Heritage Warranty and 2-Year Warranty for specific products.

9.2. Customer Service

For any questions, comments, or suggestions, Steiner customer service is available to assist you. They are committed to your complete satisfaction.

- **Phone:** 970-356-1670 (toll-free: 888-228-7747)
- **Hours:** Monday through Friday from 8:00 AM to 5:00 PM MST.
- **Email:** info@steiner-optics.com

You can also visit the Steiner website for more information: www.steiner-optics.com



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