



## PREDATOR XTREME RIFLESCOPES



### USER'S MANUAL

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## INTRODUCTION

Steiner is one of the largest manufacturers of high-quality optics in the world. Steiner products represent the highest level of precision and technology. Designed for hunters who demand the best, they are optically and mechanically superior to scopes that cost thousands more. The lenses in your Predator Xtreme riflescope feature Steiner's proven CAT (Color Adjusted Transmission) technology that let you see deer and other game before they see you by enhancing the contrast between greens and browns. This manual outlines the basic operation and maintenance of the scope.



## EYEPIECE FOCUSING

The eyepiece can be focused so that the reticle appears sharp and black to your eyes. Adjusting the focus is quick and easy to do. Just follow this procedure.

1. Point the scope at the sky or a plain wall and take a quick glance through the scope. If the reticle appears sharp and black, no further adjustment is necessary.
2. If not, use quick glances through the scope while rotating the focus ring until the reticle is sharp and clear.

**NOTE:** Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition.

## WINDAGE / ELEVATION ADJUSTMENT

The windage and elevation knobs are designed for precise adjustment. The dials are calibrated so that 1 click = 1/4 MOA. The windage knob is located on the right side of the tube and the for up to 70 MOA of total adjustment in all directions. The 3x-12x has 60 MOA of total adjustment in all directions. The 4x-16x, the range is 40 MOA of total adjustment left and right and 60 MOA in elevation. Adjustments are indicated by detents and audible clicks.

On all models, the windage and elevation knobs can be reset to "0" once your gun is sighted-in. To rotate the dial and reset to "0", insert a small screw driver into the dial slot, located at the base of the turret on the friction ring.



## PARALLAX / FOCUS ADJUSTMENT

The 4x-16x-50mm model includes a side parallax adjustment knob. Parallax is the apparent movement of the reticle in relation to the target when the eye is not directly in line behind the center of the scope. Images from different distances focus in front of or behind the scope's reticle. Parallax is more noticeable with higher magnification scopes and scopes with a larger objective lens. To use the parallax/focus adjustment, rotate the knob on the left side of the turret housing until the numeral corresponding to the known target distance lines up with the reference mark. If the distance is unknown, rotate the adjustment knob until the target image is sharply focused.

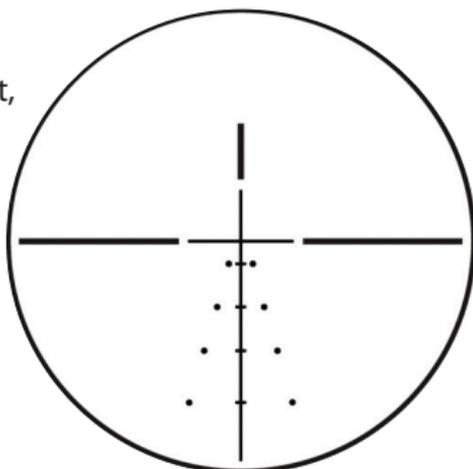
When the scope is set parallax free for the distance you are viewing, you should be able to move your eye side to-side or up and down without seeing the reticle move appreciably in relation to the target.

## STEINER PLEX S1 RETICLE

All Predator Xtreme riflescopes are equipped with the new Steiner Plex S1 reticle. Ballistic lines help determine holdover for distance and help compensate for crosswinds.

The two biggest challenges to shooting at long range are determining hold over for distance and hold off for wind drift. The Steiner Plex S1 reticle provides a simple, uncluttered and easy-to-use solution for both variables. To better determine holdover and compensate for bullet drop, the reticle incorporates hash marks on the lower vertical crosshair that are calibrated to provide dead-on aiming at 200, 300, 400, 500 and 600 yards for many of the most common hunting cartridges.

For calculating wind drift, the Plex S1 reticle has a series of small cascading dots, placed to the left and right of the reticle. These dots represent the effect of a 10 mph



crosswind for most big game hunting cartridges. For a 5 mph crosswind, simply hold into the wind half the distance to the dot. If the crosswind is 20 mph, simply hold into the wind twice the distance from the center post to the dot.

If you know the distance to your target and the speed of the wind, you can quickly determine the correct aiming point to compensate for both bullet drop and drift.

Every Predator Xtreme riflescope includes a sheet of labels that can be attached to your rifle for quick reference. Most of the popular and classic big game loads listed on this sheet were produced using ExBal Ballistic software from Perry-Systems [www.perry-systems.com](http://www.perry-systems.com). With access to ExBal or similar ballistics programs, you can easily develop your own charts for custom hand loads.

The Steiner Plex S1 reticle is much more accurate than guessing hold over or hold off. It can also be faster and more reassuring to most shooters than using target-type adjustments. The nature of ballistics is such that everything is theoretical and if any one of the variables changes (altitude, temperature, barometric pressure, humidity, bullet design, barrel length, chamber fit, seating depth, etc.) so does the ballistic table.

For maximum accuracy, practice at long ranges under similar conditions to those which you will experience in the field.

#### **TECHNICAL TIP**

For maximum accuracy at long ranges, instead of sighting in at 100 yards using the center of the reticle, sight in at a longer range such as 400 yards using the 400 yard ballistic line. This will decrease the amount of long-range error that can occur under various environmental conditions, or when slightly under estimating point-of-impact at shorter ranges.

## **SHOOT RESPONSIBLY**

Long range shooting is extremely challenging and can be very rewarding. But along with it comes tremendous responsibility, especially when hunting. To ensure you take ethical shots at longer ranges, it is essential to know the exact yardage to an animal, exact wind drift, the exact muzzle velocity at the current climactic conditions, and to what degree the angle of sight will affect bullet drop. For these reasons, we highly discourage taking shots in the field beyond 400 yards or your own capabilities.

## **MOUNTING THE SCOPE**

This riflescope requires 30mm rings. Steiner recommends using high-quality, solid steel rings and bases. Quality components ensure that your scope will remain safely and securely mounted, and will provide the maximum accuracy. Read the manufacturer's directions regarding the installation of mounts and rings.

## **SIGHTING IN YOUR SCOPE**

To quickly and easily sight-in your new Steiner riflescope, follow these directions:

1. Bore sight your scope, OR place a target about two feet square at a distance of twenty five yards. Fire a shot at the bullseye, note the point-of-impact and make the necessary adjustments. Remember, with a click adjustment value of 1/4 MOA at 100 yards, it will require four clicks to move the same distance at 25 yards.
2. Shoot a 3-5 shot group and adjust the scope again. This adjustment should bring the approximate center of the group to coincide with the bullseye. Shoot additional groups as necessary to find the zero at 25 yards.
4. Place the target at a distance of 100 yards and recheck the zero.

## **CARE & MAINTENANCE**

Your Predator Xtreme riflescope is fully waterproof and fogproof. To protect the objective and ocular lenses. In the event that the lenses are subjected to dust, dirt or mud, follow these steps to clean and protect the lens surface.

Failure to remove grit before final cleaning is sure to damage lens coatings. Coarse dirt/debris must be removed from the lens surface. Position the scope so particles will fall away from the lens, and then use a soft brush to gently whisk away the debris, while blowing on the lens to dislodge the particles. For heavy dirt, like dried mud, use a spray of clean water or lens cleaning fluid to remove the dirt.

Your Steiner riflescope will provide years of reliable performance given reasonable care and treatment. All moving assemblies are permanently lubricated. Only occasional cleaning of the outside of the scope and the exterior lenses is required.

Never disassemble your scope. Disassembly by anyone other than our factory will void the warranty. If you have any other problems with your Steiner riflescope, return it to the factory for repair. Complete warranty and repair information can be found at:  
**[www.steiner-binoculars.com](http://www.steiner-binoculars.com)**.

## SCOPE SPECIFICATIONS

	2.5x-10x-42mm	3x-12x-56mm	4x-16x-50mm
Magnification	2.5x-10x	3x-12x	4x-16x
Objective Size	42mm	56mm	50mm
Eye relief	3.5 – 4"	3.5 – 4"	3.5 – 4"
FOV @ 100 yd. (ft.)	42 (low)/10.5 (high)	36 (low)/9 (high)	27 (low)/7 (high)
Diopter Setting	+2 to -3	+2 to -3	+2 to -3
Tube Diameter	30mm	30mm	30mm
Reticle	Steiner Plex S1	Steiner Plex S1	Steiner Plex S1
Weight (oz.)	22.5	25.9	25.6
Length (in.)	13.5	14	15
Elevation Adjustment	¼ MOA	¼ MOA	¼ MOA
Elevation Range	70 MOA	70 MOA	60 MOA Elevation
Windage Adjustment	¼ MOA	¼ MOA	¼ MOA
Windage Range	70 MOA	70 MOA	40 MOA Elevation
Parallax Adjustment	100 yd. (fixed)	100 yd. (fixed)	Adj. 50" to Infinity
Item No.:	5001	5002	5003

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