

P4Xi TACTICAL RIFLESCOPE



TECHNICAL MANUAL

STEINER 
Nothing Escapes You

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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. Your P4Xi riflescope is proudly designed, machined and assembled in the USA for precision shooters who demand the best.

This manual outlines the basic operation and maintenance of the scope.



MOUNTING THE SCOPE

Quality components ensure that your scope will remain safely and securely mounted, while providing maximum accuracy. The 1-4x24mm model requires 30mm rings. The larger tubes on the 4-16x56mm require 34mm rings. Steiner recommends using high-quality rings and bases.

Read the manufacturer's directions regarding the installation of mounts and rings.

WARNING! Make sure your firearm is unloaded before attempting to mount the scope on your firearm. Practice safe firearms handling at all times.

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. To adjust the eyepiece, 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 the reticle is not clear, use quick glances through the scope while rotating the focus ring until the reticle is sharp and black.

NOTE: Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition, and prevent you from achieving optimal focus.



WINDAGE / ELEVATION ADJUSTMENT

The windage and elevation knobs are designed for precise adjustment. The dials are calibrated so that 1 Click = 1/2 MOA@ 100yards for the 1-4x and 1 click = 1 cm @ 100 meters or .1 mRAD for the 4-16x.



The windage turret is located on the right side of the tube and the elevation turret is on the top. Adjustments are indicated by detents and audible clicks. Hard stops at both ends of the adjustment range prevent shooters from getting lost on the dial.

For elevation adjustment, the P4Xi 1-4x24mm has 100 MOA for windage and elevation.

The P4Xi 4-16 offers precision accuracy at extreme ranges with up to 30 mils of elevation adjustment and 15 mils of windage adjustment. The first revolution or 100 clicks are indicated by white scale on the knob. On the second revolution (101 to 195), a small Rotation Indicator pops out at the base of the turret to remind the shooter to use the second scale indicated by grey numbers on the dial.

The P4Xi 4-16x is shipped from the factory with the optical center (knob at '0' position) set below center. Without tapered bases the initial sight-in or boresighting will likely produce an initial point of impact considerably high. For best results, Steiner recommends a 20 MOA canted base.

Setting the Zero Stop

1. Zero your scope at the desired distance.
2. Using the 2mm hex wrench supplied with your scope loosen the two set screws located just below the top of the knob one-half turn only.
3. Turn the knob to zero.
4. Tighten the two set screws on the knob.
5. Repeat steps 2-4 for the windage knob.

If the Desired Zero is Below the Zero Stop Location

1. Use the hex wrench supplied with the scope to loosen the set screws on the elevation adjustment knob located just under the top of the knob.
2. Turn the knob **in the direction of UP as indicated on your elevation knob** slightly more than the number of mils needed to achieve zero. **The knob should free spin without any click engagement.**
3. Retighten the set screws. Adjust the elevation down the required amount.
4. Once you have zeroed and the elevation adjustment is complete, once again loosen the two set screws and reset the knob to "0".



PARALLAX/FOCUS ADJUSTMENT

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.

The P4Xi 1-4x is set to be parallax free at 100 yards. The P4Xi 4-16x is equipped with a parallax/focus adjustment with a range of 50 yd. to infinity.

To use the parallax/focus adjustment, rotate the knob on the left side of the adjustment turret 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 RETICLES

Steiner offers two different reticles in the P4Xi line of riflescopes.

For more information on these reticle designs, refer to your Steiner Reticle Guide.

Illuminated Reticle Adjustment

The P4Xi tactical scopes feature an illuminated reticle that makes it easier to see the reticle in low light conditions. The rotary illumination switch located on the left side of the adjustment turret controls the intensity of the illumination.



1-4x-24mm



4-16x56mm

The switch has 11 intensity levels and a “battery saver” position in between each level that turns off the illumination completely to prevent battery drain. Each level also has a detent to prevent unintended changes during use.

- Positions 7-11 are for daylight operations.
- Positions 3-6 are used during nighttime operations.
- Positions 1-2 are suitable when utilizing night vision devices.

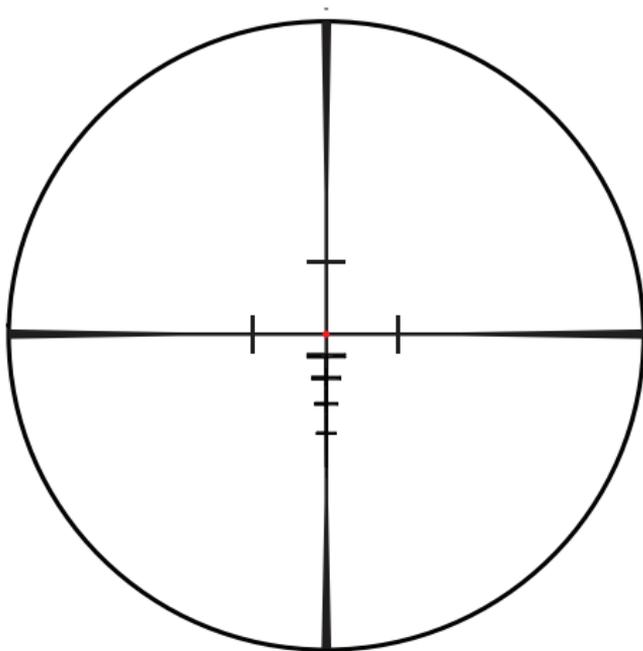
Replacing the Battery

The reticle is powered by a 3-volt lithium cell battery #CR2032. To install a new battery, simply unscrew the battery cap cover on the rotary switch and install the new battery flat side (+) up. It is advisable to remove the battery for long-term storage (over a month).

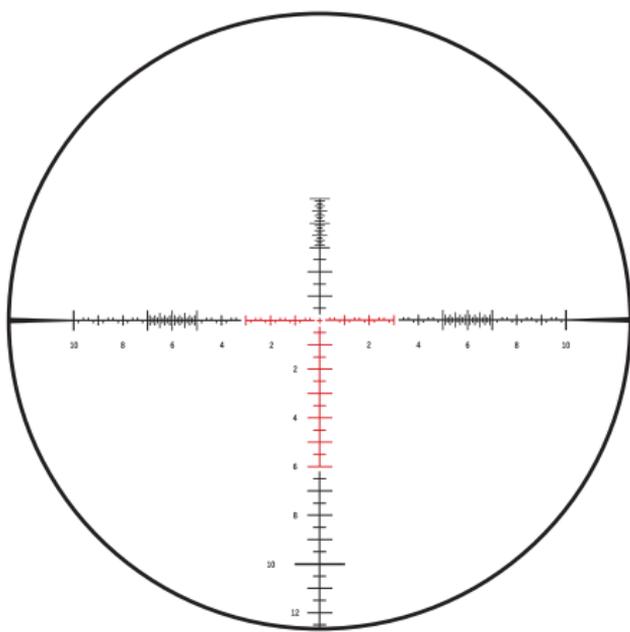
Battery Cap



The P4Xi 1-4x is available with the 3PTR reticle that is calibrated for optimum accuracy with the 5.56 and 7.62 calibers. It is ideal for Close Quarter Battle (CQB) and for precise shot placement at very long ranges.



The P4Xi 4-16x is available with the SCR (Steiner Special Competition) reticle, which is designed for precision tactical or competition use. An extended illumination range lets the shooter engage targets at long distances even in low light. The vertical crosshair features mils marks for distance holdover and 2/10 mil lines for windage hold-off. For precise distance ranging, the reticle offers 1/10 mil ranging brackets at the top, left and right extremes of the crosshair.



CARE & MAINTENANCE

Your Steiner P4Xi 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.

CAUTION - Remove all foreign material from the lens before cleaning with cloth to prevent damage to the lens.

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 P4Xi riflescope will provide a 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.

SCOPE SPECIFICATIONS

	1-4x24mm	4-16x56mm
Item No.	5201	5221
Magnification Range	1-4x	4-16
Objective Lens Diameter (mm)	24	56
Tube Diameter (mm)	30	34
Field of View	110-27.5	27.5-6.9
Eye Relief (in.)	3.5-4.0	.5-4.0
Exit Pupils (mm)	12.0-6.0	14-3.50
Diopter Setting	+2 to -3	+2 to -3
Focal Plane	Second	First
Reticle	P3TR	SCR
Illumination	Rotary Dial	Rotary Dial
Battery	CR2032	CR 2032
Weight (w/o caps) (oz.)	17.3	30
Length (in.)	10.3	14.6
Windage Adjustment	.5 MOA	1cm
Elevation Adjustment	.5 MOA	.1 mRad
Total Elevation Range	100 MOA	30 MIL
Total Windage Range	100 MOA	16 MIL
Parallax Focus	Fixed	Side Focus
Parallax/Focus Range	100 yd	50 yd. to Infinity
Operating Temperature	-13°/+145° F	-40°/+160° F

STEINER HERITAGE™ WARRANTY

HERITAGE



WARRANTY GENERATION TO GENERATION



Steiner Heritage™ Warranty - For the Life of the Product

For the lifetime of the product, we will repair or replace the product at no charge to you if it becomes damaged or defective for any reason other than theft or deliberate misuse.

- No warranty card needed.
- No receipt required.
- Warranty is fully transferable to future owners of the product.

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.

To register your product online go to:
www.steiner-optics.com/optics-warranty-registration

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