For Patent Information go to https://goo.gl/2z62aS

SLX™ 3-18x50 FIRST FOCAL PLANE

SCOPE MANUAL

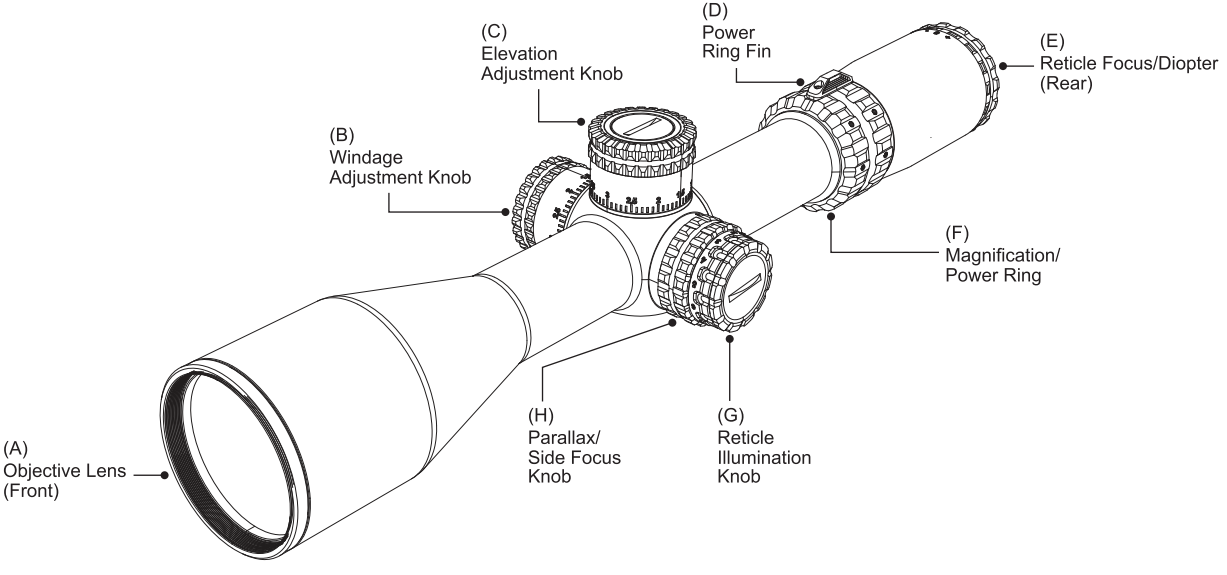
PRIMARY ARMS OPTICS

Thank you for choosing this Primary Arms optic.
If you have any questions about your new optic or any of our other products, visit us at www.primaryarmsoptics.com, email us at info@primaryarmsoptics.com, or give us a call toll-free at 855-774-2767. The customer service team at our headquarters in Houston, Texas will respond promptly.

If you have any problems with a Primary Arms product, we urge you to contact us immediately and let our customer service professionals handle the situation for you. There is no need to return your optic to the retailer.

*View back cover for lifetime warranty information.

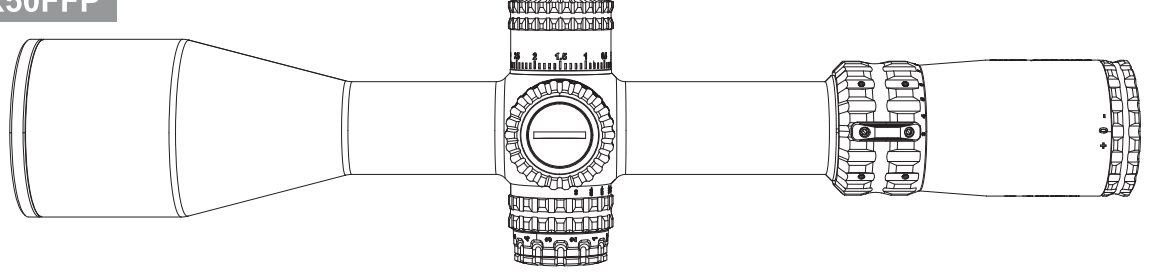
TABLE OF CONTENTS


(A)
Objective Lens
(Front)
(B)
Windage
Adjustment Knob
(C)
Elevation
Adjustment Knob
(D)
Power
Ring Fin
(E)
Reticle Focus/Diopter
(Rear)
(F)
Magnification/
Power Ring
(G)
Reticle
Illumination
Knob
(H)
Parallax/
Side Focus
Knob

PRIMARY ARMS SLx 3-18X50 FIRST FOCAL PLANE RIFLE SCOPE

This rifle scope is part of our Slx optics line. SLx optics built our reputation for innovation, reliability and value. All SLx optics undergo rigorous field-testing during development to best serve you in any environment. The SLx 3-18×50 FFP rifle scope punches far above its weight class. This scope, featuring some of the most advanced iterations of the ACSS® reticle system, is the ideal choice for any hunter, long-range shooter, or competitor that wants the ultimate advantage. First focal plane construction allows for all the features of the ACSS system to be precision-calibrated for accuracy at every magnification setting. Whether you're engaging targets within 100 yards or stretching out to 1,000, this scope's wide magnification range allows for the ultimate user flexibility. As a result, the SLx 3-18×50 FFP Rifle Scope has grown to be one of our most popular scopes.

3-18x50FFP



ACHIEVING A CLEAR RETICLE PICTURE

Your 3-18x50 FFP scope comes with an adjustable diopter ring that must be set to match your eye. Located at the rear of the eyepiece, it is marked simply [**+ 0 -**]. The Reticle Focus/Diopter (E) changes the focus of the reticle as you see it inside the scope. It does not change the focus of objects that you look at through the scope. Setting the diopter is a **critical first step** to successful precision shooting. You can set the diopter before you have even mounted the scope in its rings.

1. Turn the Magnification/Power Ring (F) to a high setting, between 14x and 18x, and point the scope at a bright, featureless background such as blue sky or a blank white wall.
2. Turn the Parallax/Side Focus Knob (H) to infinity [∞].
3. With your head in position behind the scope, look at the wall or sky. If you look through prescription glasses when shooting, wear them now too. After 5 or 6 seconds, close your eyes.
4. Now open your eyes, glance through the scope and immediately see if the reticle is sharp or blurry. If you notice that the reticle seems blurry at first and then suddenly sharpens, your eyes have focused on the reticle itself instead of looking **through** the scope. You must adjust the Reticle Focus/Diopter (E) and try again.
5. If the reticle was blurry, turn the Reticle Focus/Diopter (E) ring and repeat the process again. The process will take multiple adjustments. Each time you repeat the process, ask yourself if the reticle was sharper or more blurry than before. The final adjustments may be very fine. If your eyes get watery or tired, walk away for a bit and come back to this later.
6. Once the reticle appears sharp as soon as you glance through the scope, the diopter is set for your eyes. Everyone's eyes are slightly different, so the ideal adjustment changes from person to person. Many marksman will mark their correct diopter position with a little dab of paint or fingernail polish next to the **0** mark, in case the ring gets turned accidentally later on. Others will apply electrical tape around the diameter of the ring to hold it in place.

This is a one-time adjustment. Reticle details may appear small when not looking at medium or long range targets, especially at low magnification. Shooting at those ranges is best done from a well-supported position using a bipod or sandbags.

ADJUSTING PARALLAX

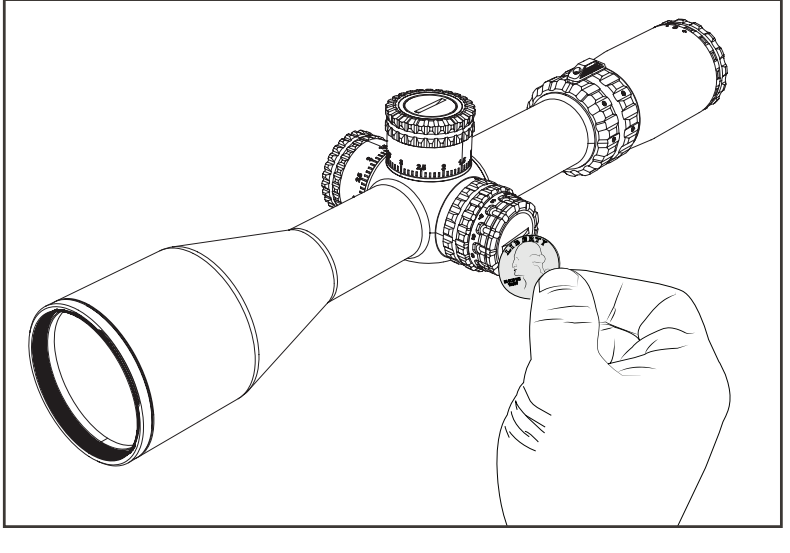
The Parallax/Side Focus Knob (H) is located on the left side of the scope, marked with ranges from 15 yards to infinity. Although it is often referred to as a “side focus” knob, parallax and focus are not the same thing. Parallax error occurs when the target’s image and the reticle are not aligned on the same focal plane inside the scope. To visualize this, pick a picture on the wall of a room as your “target”, and stick your thumb up in front of it like you are a hitch-hiker. Your thumb represents the reticle of the scope. Closing one eye and using your thumb to “aim” at the picture on the wall, you will notice that moving your head around changes where your thumb appears to be aimed. This is because your thumb is not located in the same focal plane as the picture on the wall. Any slight change in your head position will change your point of aim, and your point of impact. Adjusting the Parallax/Side Focus Knob (H) eliminates parallax error at different ranges by bringing the reticle into the same focal plane as the target, like having a friend place their thumb directly against the picture on the wall. Parallax error is most noticeable at high magnifications. Adjustment is much easier with your rifle secured by sandbags or a bipod.

1. Turn the Parallax/Side Focus Knob (H) until the target appears to be in focus. This will get you close to the correct adjustment.
2. Looking through the scope at the target, move your head just slightly from side to side. If you lose the sight picture you are moving too much. Go slowly, and see if the reticle appears to move relative to your target. A target that appears to be floating around the reticle as you move your head indicates parallax error.
3. If the target appears to move in the opposite direction of your head, turn the Parallax/Side Focus Knob (H) counterclockwise. If the target appears to move in the same direction as your head, turn the Parallax/Side Focus Knob (H) clockwise. These adjustments are very small. Move the Parallax/Side Focus Knob (H) just a little bit at a time and re-check.
4. Once the reticle and target hold their positions as you move your head from side to side, parallax error is eliminated for targets at this range. Normally this adjustment will also keep the target nicely in focus. However, to gain the most consistent hits on target, it is more important to eliminate parallax error than to have the target perfectly in focus.

RETICLE ILLUMINATION

The Illumination Knob (G) control on the left side of the scope is marked with numbers of increasing brightness. The knob cap unscrews counterclockwise, holding a CR2032 battery with the positive (+) side facing towards the cap. Reticle illumination at the lower settings is useful in low light situations like sunrise and sunset. Reticle “bleed out”, abnormalities and small imperfections may be visible when viewed indoors or in low light conditions while at high illumination settings. This is a normal result of the reticle etching process. Abnormalities at these two settings will not be visible when viewed in daylight conditions. Using these settings in low light situations will overpower your eye’s ability to see the target and make the reticle appear distorted. The right amount of illumination creates a clear contrast between the reticle and your intended target, without straining the eye.

Illumination Knob



ESTABLISHING ZERO

Using a bipod or sandbags, preferably on a bench or in the prone position, turn the power ring to a high magnification to see your target as easily as possible. When the numbers on the knobs are adjacent to the scope body, the knobs are in the “locked” position and cannot be turned. Pull the knobs away from the scope body to unlock and adjust them. When sighting in your rifle, if your shots are hitting low, turn the elevation knob counterclockwise to bring the point of impact up. If your shots are hitting to the left, turn the windage knob counterclockwise to bring the point of impact right. Once you are finished sighting in, you can push the knobs back towards the scope body to lock them, preventing accidental rotation.

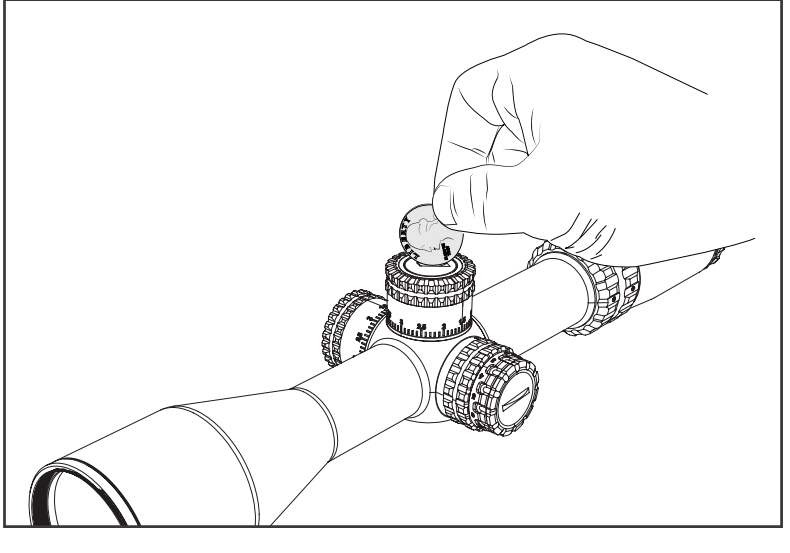
RESETTING ZERO FOR WINDAGE AND ELEVATION

You can reset your Windage (B) and Elevation (C) Knob positions to read “zero” after sighting in your rifle. Using a coin, turn the locking screw in the knob cap counterclockwise and remove it. Carefully pull the outer knob straight away from the scope tube until it comes completely off. Line up the 0 mark with the center line underneath, and press the outer knob straight towards the scope tube to reinstall. Finger pressure is all that is needed. With the outer knob reinstalled, push down towards the scope tube to ensure the knob is locked and cannot rotate. Then carefully tighten the knob cap using a coin. Do not over torque the locking screw.

RESETTING THE POWER RING FIN

The Power Ring Fin (D) is held onto the power ring by two 2.5 mm allen screws. The fin can be removed by turning the hex screws counterclockwise to loosen them, and replaced on any of the available slots with pre-drilled holes. Adjusting the positioning of the power ring fin is best done with the scope already mounted on the rifle, checking carefully for any potential interference with other rifle components or accessories.

Resettable Adjustable Knobs



SLx 3-18x50 FFP RIFLE SCOPE SPECIFICATION		
Focal Plane: First Focal Plane	FOV @ 3x / 100 yards : 36.7 ft	Click Value: 0.1 MIL / 0.25 MOA
Magnification: 3x (low) - 18x (high)	FOV @ 18x / 100 yards : 6.1 ft	Partial Reticle Illumination in Red
Eye Relief: 3.5 – 3.9 inches	Total Windage Adjustment: ≥ 50 MOA/14.5 MIL	Length (w/o Lens Covers): 13.2 inches
Exit Pupil: 16.2 mm (low) - 2.7 mm (high)	Total Elevation Adjustment: ≥ 50 MOA/14.5 MIL	Weight (with battery, without lens covers): 25.4 oz
Objective Lens Diameter: 50 mm	Tube Diameter: 30 mm	Warranty: Lifetime Warranty

Specifications may vary and are subject to change without notice.

ACCESSORIES AND MORE INFORMATION

The Primary Arms sun shade (SKU: PA3-18SS) is a useful addition to your Silver Series SLx6 3-18x50 FFP scope. The sun shade can prevent glare when shooting in bright sunlight at certain angles, and can keep water away from the objective lens in the rain. The sun shade easily screws into the objective bell of the scope with no tools needed. The sun shade is not included, and is available for sale separately.

SLx 3-18x50FFP RIFLE SCOPE FEATURES

- Partial or Full Reticle Illumination in Red, Visible in Bright Sunlight
- Fast Focus Eyepiece
- Fog Resistant
- Removable Power Fin
- Locking Turrets
- Fully Nitrogen Purged, IP67 Waterproof Standard and Dust Proof
- 6061 Aluminum with Matte Black Anodized finish
- Uses one CR2032 Battery (Included)
- Backed by our Lifetime Warranty

LENS CARE

Please do not use any organic solvent such as alcohol or acetone on your scope. First, blow dust or any foreign objects off of the lens. Then, use a soft cotton or microfiber lens cloth to clean any fingerprints or smears off the lens. Alternatively, you may use a piece of professional lens paper for further cleaning, if necessary.

⚠ WARNINGS: Always ensure your firearm is unloaded (chamber empty and magazine removed) before installing optics or accessories.

⚠ WARNINGS: Improper installation of firearm parts or accessories may result in death or serious personal injury. If you are not properly trained in the installation of these parts, have them installed by a gunsmith or armorer.

REMEMBER: THE FOUR RULES OF FIREARMS SAFETY

1. Treat every firearm as if it were loaded.
2. Never let your muzzle cover anything you are not willing to destroy.
3. Keep your finger off the trigger until your sights are on target.
4. Be sure of your target and what is behind it.

Why ACSS®?

The Advanced Combined Sighting System (ACSS) is a ballistic drop compensating reticle system that eliminates the inefficiencies and dangers present in traditional optic reticles.

In a conventional MIL or MOA dot scope, the user operates through a complex process of target estimation, subtension alignment, and mathematics before determining trajectory. By integrating common holds, ranging tools, and wind corrections right into the reticle, ACSS provides a 'heads-up' approach to ranging and engagement.

ACSS reticles distill complex math into an intuitive reticle that matches your rifle's ballistic profile.

Primary Arms Optics are available with a wide variety of ACSS reticles to pair with different calibers and use cases. For a full list of reticle and optic options, please visit www.primaryarmsoptics.com.

Elements of an ACSS Reticle

1. Infinitely Precise Center Chevron

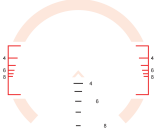
ACSS reticles take a different approach to the typical crosshair. In traditional reticles, crosshair lineweights can obscure the target. ACSS's center chevron provides an infinitely small point of aim while also leading the eye to the target.

2. Calibrated Bullet Drop Compensation

Whether hunting, shooting targets, or competing, speed matters. Calculating point of impact manually takes time, and errors have drastic effects. ACSS reticles do the math for you. They are calibrated to popular loadings so that you know where your shot will go every time.

3. Wind Holds

Wind is always changing, and the ability to adjust to it fluidly spells the difference between a shot on target and a lost opportunity. ACSS reticles incorporate wind holds that are calibrated for popular loadings so that your shots go where they're supposed to.



4. Ranging Ladders

Knowing the distance of targets is integral to knowing where to hold, and estimating distances with traditional reticles requires quick math that can result in errors. ACSS reticles simplify ranging with a wide array of features that allow you to determine distances immediately.

5. Moving Target Leads

In practical applications, most targets will be on the move. When this is the case, eyeballing holds can hinder shot placement. ACSS's moving target leads show exactly where to hold to compensate.

PRIMARY ARMS
OPTICS

LIFETIME WARRANTY

Your Primary Arms SLx 3-18x50 Rifle Scope is covered by the Primary Arms Lifetime Warranty. If a defect due to materials or workmanship, or even normal wear and tear has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find more details about our lifetime warranty at www.primaryarmsoptics.com.

Email: info@primaryarmsoptics.com
Toll-free at 855-774-2767
www.primaryarmsoptics.com

For more information on these optics, go to:
http://primaryarmsoptics.com/product-category/rifle-scopes/slx/