



Thank you for your purchase of the SERAC™ series of riflescopes by Viridian Weapon Technologies. The SERAC series is designed for rugged use in any situation, featuring top rated optics, smooth controls and forgiving eye relief.

Proper mounting is required to ensure your SERAC riflescope will perform to its fullest potential. Seek out service if you are uncomfortable mounting your new scope.

#### LIFETIME LIMITED WARRANTY:

Viridian Optics™ ("Viridian") warranties for the lifetime of its riflescope and binocular products, that the product will be free from defects in material and workmanship. Viridian® will repair or replace, at its option, any product or part which is found to be defective under normal use and service, without charge. Viridian's obligation to repair or replace, at Viridian's option, shall be the purchaser's sole and exclusive remedy under this warranty. This warranty does not apply to Viridian laser sight, light, camera, or battery products.

Disassembly, modification or otherwise opening up the housing of the unit, natural or typical wear and tear, or any product misuse by the customer voids the warranty. Warranty does not apply to damage due to accident or natural disaster. Warranty does not extend to decline in performance due to normal aging or to issues caused by product misuse. See specifications, operational instructions and warnings in manual available at [www.ViridianOptics.com](http://www.ViridianOptics.com). This warranty extends only to the original owner and only to CURRENT products listed on the website. Warranty does not apply to discontinued or closeout items. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN AS SET FORTH ON THIS PAGE, AND LASER AIMING SYSTEMS CORPORATION DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. LASER AIMING SYSTEMS CORPORATION SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE.

FOR REPAIR OR EXCHANGE, WE REQUIRE THAT YOU SEND YOUR NON-WORKING PRODUCT TO US. PLEASE CALL OR EMAIL TO RECEIVE AN RMA NUMBER ALONG WITH A PREPAID SHIPPING LABEL. IN YOUR PACKAGE PLEASE INCLUDE OF COPY OF THE SALES RECEIPT ALONG WITH ANY OTHER INFORMATION NEEDED.

5475 Pioneer Creek Drive  
Maple Plain, MN 55359



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WEAPON TECHNOLOGIES [www.ViridianOptics.com](http://www.ViridianOptics.com)

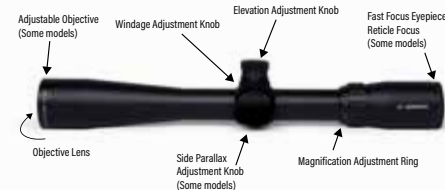
Phone: 800-990-9390  
Email: [info@ViridianOptics.com](mailto:info@ViridianOptics.com)

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## RIFLESCOPE MANUAL

# SERAC™



### Product Warnings

1. SCOPE MUST BE MOUNTED SUFFICIENTLY FORWARD ON THE FIREARM AND WITH PROPER EYE RELIEF. IF THE SCOPE IS NOT MOUNTED SUFFICIENTLY FORWARD, REARWARD MOTION DURING RECOIL MAY CAUSE EYE INJURY TO THE SHOOTER. 2. NEVER LOOK AT THE SUN THROUGH THE RIFLESCOPE (OR ANY OTHER OPTICAL INSTRUMENT). **IT MAY RESULT IN PERMANENT EYE DAMAGE.** 3. A SCOPE SHOULD NEVER BE USED AS A SUBSTITUTE FOR EITHER A BINOCULAR OR SPOTTING SCOPE. IT MAY RESULT IN INADVERTENTLY POINTING THE GUN AT ANOTHER PERSON OR UNINTENDED OBJECT. 4. **WHEN MOUNTING, ADJUSTING, REMOVING, OR OTHERWISE HANDLING THE SCOPE, BE SURE THAT THE FIREARM IS NOT LOADED. PRACTICE SAFE FIREARM HANDLING PROCEDURES AT ALL TIMES.**

## Adjustments

### Magnification Adjustment

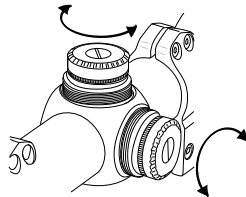
To change magnifications, turn the magnification ring to the desired level.

### Windage and Elevation Adjustments

The SERAC™ riflescope incorporates adjustable elevation and windage turrets with audible clicks. Each audible click moves the bullet's point-of-impact 1/4 or 1/8 of a minute of angle (MOA), depending on the model. 1/4 MOA closely corresponds to 1/4 inch at 100 yards, 1/2 inch at 200 yards, 3/4 inch at 300 yards, etc. 1/8 MOA closely corresponds to 1/8 inch at 100 yards, 1/4 inch at 200 yards, 1/2 inch at 300 yards, etc.

### Adjusting Windage and Elevation

Adjust the windage and elevation settings by removing the outer covers (some models have exposed turrets). Move the turret in the direction that you want the bullet's point of impact to adjust. Rotate the turret in the appropriate direction (up/down or left/right) as indicated by the arrows on the turret face. Once proper point of aim is achieved, replace outer covers (if necessary).



## Side Parallax Adjustments

### Side Parallax Adjustment (Some Models)

Some SERAC riflescope models use an image focus/parallax adjustment which provides maximum image sharpness and eliminates parallax error. Lower optical magnification models do not use image focus/parallax adjustments and are prefocused at a distance of 100 yards. To adjust focus and parallax, rotate the



When using Side Parallax adjustment wheel, be sure the reticle is correctly focused

## Side Parallax Adjustments (Cont'd)

Side Parallax adjustment wheel until numbers match the distance you are shooting by aligning the yardage number to the indicator arrow on scope body. Check for proper setting by looking through the scope to verify image sharpness. At the same time, look for reticle shift while moving your head back and forth. The setting is correct if there is no apparent movement between the reticle and target while your head is moving back and forth. If there is apparent movement, adjust the focus knob slightly until the movement is eliminated. With a properly set objective lens, the target image should be sharp and crisp.

## Rings and Bases

If your riflescope included rings, they can be mounted directly to the gun's weaver-style base. If the scope did not include rings, mount to the base you choose making sure there is no contact with the barrel, receiver, bolt handle or any other part of the firearm. You can purchase Viridian rings at [www.ViridianOptics.com](http://www.ViridianOptics.com).

## Eye Relief and Reticle Adjustment when Mounting

Rest the UNLOADED firearm on a solid and stable shooting location. A rifle adjustment stand is recommended. First, loosely install the riflescope in the rings. Do not tighten down all the way. Look through the scope on maximum magnification in a normal shooting position and adjust the scope back and forth to achieve maximum eye relief and to avoid potential injury from recoil. As soon as the full view of the reticle is visible, stop adjusting the scope and complete ring tightening. Without further adjusting front-back placement, rotate the scope until the vertical crosshair exactly matches the vertical axis of the firearm. A bubble level, reticle leveling tool, or a flat feeler gauge may be used to help with this process.

After your scope is aligned, tighten the scope ring screws a half turn at a time in a crisscross pattern. We recommend torquing the scope ring screws to 15-18 inch-pounds.

## Bore Sighting

Bore sighting the riflescope will save time once at the range. We recommend a laser bore sighting device. Always follow the manufacturer's instructions.

## Range Sight-In

When range sighting the scope, use the same ammunition you plan on using when hunting or shooting. Ammunition ballistics can change significantly between manufacturers and types of ammunition.

Sight in the scope at the distance you plan on shooting, typically 100 or 200 yards. Follow all safety steps and procedures as detailed by the firearms manufacturer and range where you are shooting.

Aim at your target using a solid rest and fire a 3-shot group. Then, adjust the windage and elevation adjustment turrets so the crosshairs coincide with the point of impact. Carefully fire another 3-shot group to determine if the bullet group is centered on the bullseye.

Repeat this procedure as many times as necessary to achieve a perfect zero.

## Maintenance

The Viridian SERAC riflescope is rugged, waterproof and fog proof. It requires very little maintenance other than occasionally cleaning the lens and cleaning the exterior of the scope with a soft dry cloth. When cleaning the lens, be sure to use properly designed optical cleaning products that are designed for use on coated optical lens.

### Lubrication

The Viridian SERAC riflescope comes permanently lubricated. DO NOT ATTEMPT TO LUBRICATE THE DEVICE.