

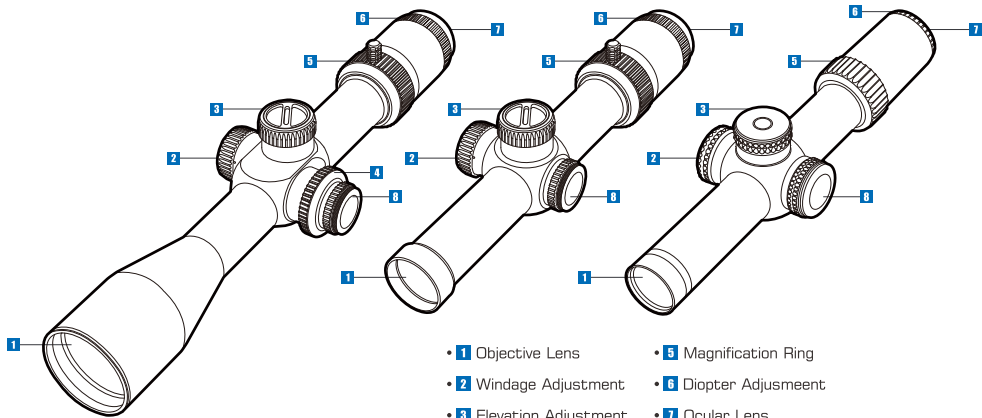


PRODUCT MANUAL

WOLFCHASE SERIES

RIFLE SCOPE

***SPINA*OPTICS.COM**



- **1** Objective Lens
- **2** Windage Adjustment
- **3** Elevation Adjustment
- **4** Side Focus
- **5** Magnification Ring
- **6** Diopter Adjustment
- **7** Ocular Lens
- **8** Illumination (No illumination on some.)

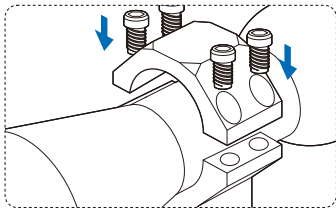
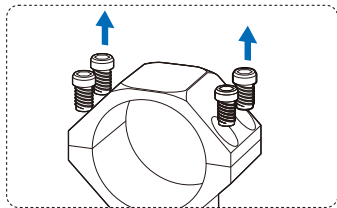
PRODUCT PARAMETERS

Caution: Be sure that your firearm is unloaded and pointed in a safe direction. Practice safe firearms handling procedures at all times.

It is best that you first loosen all the upper scope ring screws to help with mounting the scope onto your optics rail on your firearm. This will allow you to space out the rings properly, for the ring mounting bolts to match up with the cross slots of the optics rail.

Once you have the scope rings mounted onto your optics rail, you will next have to move the scope forwards or rearwards to adjust the scope's position to allow for maximum eye relief and reticle leveling. Slide the scope as far forward as possible in the rings.

While viewing through the scope in a normal shooting position, move the scope back towards your eye until a full field of view is achieved while ensuring that the scope will be a safe distance from your eye when the firearm recoils.



FOCUSING YOUR SCOPE

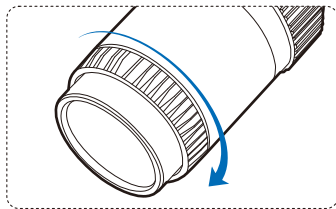
Caution: Viewing the sun with this scope or any other optical device can cause permanent injury to the eye including blindness.

This scope has a quick focus ring feature. Holding the scope at the proper distance from your eye, in order to achieve a full field of view the reticle should appear sharp and clear. If not, it will be necessary to adjust the focus by turning the quick focus ring.

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1. Make quick glances through the eyepiece at a featureless bright surface such as a white wall or the open sky.
2. Turning the Quick Focus Ring counter-clockwise will extend the ocular lens outward, generally suitable for those who are farsighted. Turning the Quick Focus Ring clockwise will draw the ocular lens inward, generally suitable for those who are nearsighted.
3. Fine-tune your adjustments until the reticle appears sharp and clear. If the ocular lens reaches its outer limits of adjustment, be sure not to force it as doing so will cause damage to the eyepiece.



WINDAGE AND ELEVATION ADJUSTMENT TURRETS

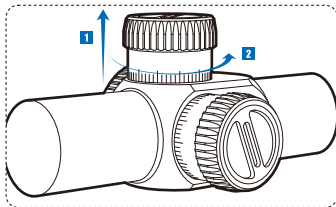
Your scope is equipped with Elevation and Windage Adjustment Turrets, which are used to adjust the point of aim (POA) relative to the point of impact (POI) of the bullet on the target at a specific distance. These turrets are critical for zeroing your scope and making accurate long-range shots.

1. The Elevation Adjustment Turret is located on top of the turret housing and controls the up and down movement of the reticle.
2. The Windage Adjustment Turret is located on the right side of the turret housing and controls the left and right movement of the reticle.

This model uses a pull-to-unlock design, so you need to first pull up the adjustment lock before turning to make adjustments.

How the turrets affect point of impact:

1. Turning the Elevation Turret counter-clockwise (up direction): moves the reticle down inside the scope, causing the bullet's point of impact to shift up on the target.
2. Turning the Elevation Turret clockwise (down direction): moves the reticle up, causing the point of impact to shift down.
3. Turning the Windage Turret counter-clockwise (left direction): moves the reticle left, causing the point of impact to shift right.
4. Turning the Windage Turret clockwise (right direction): moves the reticle right, shifting the point of impact left.



Each turret typically moves the reticle by a set amount per "click," such as 1/4 MOA, 1/10 MIL, or another value depending on the scope model. Refer to your scope specifications for exact adjustment values.

ZEROING YOUR SCOPE

After you have completed the installation of your scope, it will be necessary to adjust the scope's point of aim to match the bullet's point of impact on a target. This process is commonly known as "zeroing" your scope.

To save time and ammunition, we recommend using a bore sighting device. Bore sighting helps ensure that your initial shots land "on paper," making fine-tuning faster and more efficient. Please follow the manufacturer's instructions for the specific bore sighting device you choose to achieve optimal results.

Once bore sighting is complete, you are ready to finalize your zero at the shooting range.

Caution: Always be sure to remove the bore sighting device before firing live ammunition. Failing to do so may result in serious damage to your firearm or cause injury to yourself and others.

Caution: When operating any firearm, always wear proper eye and ear protection. Ensure you are shooting in a location that is legal under local, state, and federal laws.

While bore sighting is helpful, it is not a substitute for live-fire zeroing. You must shoot your firearm at a range to verify and fine-tune the point of aim.

Steps to finalize your zero:

1. Secure your firearm using a stable platform such as a bench rest or sandbags.
2. Fire 3 to 5 carefully aimed shots at a target set at your desired zeroing distance (we recommend starting at 50 or 100 yards).
3. Observe the shot group and adjust Elevation and Windage until point of aim matches point of impact.
4. Repeat this process until you achieve the desired level of accuracy.

ADJUSTABLE PARALLAX KNOB

The adjustable parallax knob on this model allows you to fine-tune the parallax alignment of the reticle to the target image inside the scope.

If the parallax is not properly adjusted, the reticle will appear to float or move relative to the target image when you move your head around the ocular lens, even if the scope is perfectly zeroed.

To properly adjust parallax:

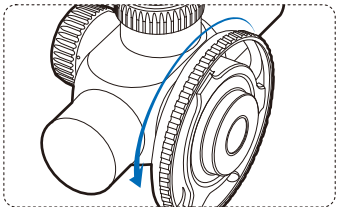
1. Mount your scope on a stable platform.
2. While looking through the scope at your target, slowly move your head around the ocular lens.
3. Adjust the parallax knob in either direction until the reticle remains perfectly still and fixed on the target image inside the scope.

When correctly adjusted, the reticle should appear as if it is “painted” directly onto the target, staying perfectly stationary regardless of slight head movement.

Proper parallax adjustment helps the shooter achieve more precise and accurate shots at longer distances and improves shot consistency.

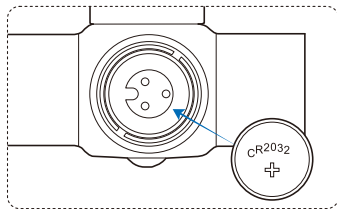
BATTERY

Your scope is powered by a CR2032 battery, which is housed in a compartment located on the side of the scope.



To replace or install the battery, please follow these instructions carefully to ensure proper operation of your red dot or reticle.

1. Locate the battery compartment: The battery compartment is located on the side of the scope.
2. Open the battery cap: No tools are required. Simply rotate the cap counterclockwise by hand to open it.
3. Insert the battery: Place a CR2032 battery into the compartment with the positive side (marked with a "+") facing up.
4. Close the battery cap: Rotate the cap clockwise until it is securely tightened.
5. Check functionality: After installing the battery, turn on the scope and ensure the red dot or other reticle functions operate properly.



CARE AND MAINTENANCE

Your SPINA series scope features excellent shockproof, fogproof, and waterproof performance. Do not attempt to disassemble or clean the internal components, as this may cause damage. To maintain optimal optical clarity, regularly clean the exposed lenses with a soft lens brush or cloth. For thorough cleaning, use only camera lens paper and cleaning solutions specifically designed for optical lenses; avoid any other solvents or materials that could damage the scope.

Begin by gently removing dust and debris from the lens edges with cotton swabs, then clean the lenses using a gentle circular motion from the center outward, avoiding excessive pressure or repeated rubbing. Use a soft brush or dry cloth to remove dirt or sand from the exterior surfaces. All moving parts, including adjustment turrets and the quick-focus eyepiece, are permanently lubricated and require no additional lubrication, ensuring smooth and reliable operation over time.