About Leupold & Stevens, Inc.

Today, Leupold optics are renowned for their unchallenged ruggedness, absolute waterproof integrity, and their vastly superior optical quality. More than a century of optical, engineering and manufacturing experience goes into every product we produce, and we think the results are well worth the extra effort required to achieve this level of quality.

In true American style, the philosophical foundation laid in our early years served as a template for the company as we’ve grown and changed over the decades. In fact, the firm’s founder established the clarity of purpose that we see at Leupold & Stevens today:

“We solemnly promise never to let down on quality, the customer is entitled to a square deal.”

— Markus Friedrich “Fred” Leupold

Installing the Base, Rings, and Scope

Please refer to the instructions included with the base and rings for their proper installation on the firearm.

Establishing Eye Relief

Because of the safety considerations associated with proper eye relief, Leupold strongly recommends that you mount your scope as far forward as possible. Beyond that, follow these steps:

1. With the scope as far forward as possible, hold the rifle in your normal shooting position.
2. Slowly move the scope to the rear just until you can see a full field-of-view. Often, the ideal position is all the way forward in the rings.
3. Position your scope here for maximum eye relief.

Leveling the Riflescope (All VX-6HD scopes are equipped with an Electronic Reticle Level)

1. Begin by leveling the rifle in a vice or steady rest.
2. To activate the Electronic Reticle Level, press and hold the illumination button for fifteen seconds. The reticle will blink once at 5 seconds and again at 10 seconds. After 15 seconds, the reticle will flash twice indicating the Electronic Level is ON. Release the button and press it again to turn ON the illumination. If you repeat the above steps, the rifle will flash twice indicating the Electronic Reticle Level is OFF.
3. Without changing your eye relief settings from the previous section, rotate the scope so the reticle is noticeably out of level. The reticle will begin flashing. If instead point 30 degrees, the illumination will turn off.
4. Slowly rotate the scope back towards the level position. When the scope is level, the reticle will stop flashing and the illumination will remain on.
5. Secure the scope in the rings with 28-30 lbs. of torque.

Focusing the Reticle

1. Secure the scope and firearm in a firm rest. Safely point the scope at a light colored background. Look through the scope while pointed at a light colored background. Look away every so often to relax your eyes between focus checks. Rotate the eyepiece and recheck focus repeatedly until the reticle is sharp.

Making Precise Windage and Elevation Adjustments

The Leupold VX-6HD riflescope are equipped with 1/4 MOA per click adjustments. German 4 reticle scopes have 1mm at 100mm click increments. The letters found on the windage and elevation dials refer to the direction that the point-of-impact of the bullet is moved when an adjustment is made.

Adjusting Windage and Elevation on VX-6HD Riflescopes

Your Leupold VX-6HD riflescope is equipped with the CDS-ZL2 elevation adjustment dial and a Zero-Lock windage dial. You must push inward on the lock release button located on the external edge of the dial above the zero witness mark to make an adjustment. Once the dial has been turned one or more clicks past the zero position it is no longer necessary to press the button. The CDS-ZL2 button will flash with the edge of the dial during the first resolution, then be recessed into the dial during the second resolution.

Zeroing the VX-6HD Windage and Elevation Dials After Sighting in

All Leupold scopes feature adjustment dials that can be repositioned to align the marked zero of the dial with the witness mark. This allows the shooter to know the original zero of the rifle in the event that further adjustments are made in the field.

To reposition the dials and the zero stop on ZeroLock adjustments:
1. Loosen the set screws that surround the top of the dial until it turns freely.
2. Turn the cylinder dial by hand to align the zero with the witness mark at the base of the dial. The lock release button will pop out.
3. Tighten the set screws until the dial is secure.

Understanding Parallax

Parallax is the apparent movement of the target relative to the reticle when you move your eye away from the center point of the eyepiece. It occurs when the image of the target does not fall on the same optical plane as the reticle. This can cause a small shift in the point of impact.

Maximum parallax occurs when your eye is at the very edge of the exit pupil. At short distances, the parallax effect does not affect accuracy, at longer ranges this may not be the case. For this reason, adjustable parallax scopes are preferred for long range shooting. It is also good to remember that, as long as you are sighting straight through the middle of the scope, or close to it, parallax will have virtually no effect on accuracy in a hunting situation.

Setting the Adjustable Parallax

1. The reticle should be clear (focused) before adjusting the parallax. If it is not, follow the instructions under “Focusing the Reticle.”
2. With the firearm in a stable position, look through the scope, concentrating on the center aiming point of the reticle.
3. Move your head slightly up and down while turning the side parallax or adjustable objective ring until the reticle does not move in relation to the target.

NOTE: Settings may vary slightly per individual preferences, air temperature, and atmospheric conditions.

Installing the Battery

Leupold third generation Illuminated Reticle scopes use a CR2032 lithium coin-cell battery.

To install the battery:
1. Twist the cover counterclockwise.
2. Insert the battery, positive (+) side up.
3. Replace the battery cover on the illumination dial and turn it clockwise until it is secure.

Using the Illuminated Reticle

Leupold third generation Illuminated Reticle scopes may be used in either the standard or the illuminated state. When not illuminated, the reticle performs the same as the reticle in a standard Leupold scope.

Push Button Illumination Control

To illuminate the reticle:
1. Press and release the button on the left side of the adjustment turret.
2. To adjust the intensity of the aiming dot, press and release the button repeatedly. The aiming dot will flash 5 times when the brightest setting is reached, then begin decreasing each time the button is subsequently depressed. When the lowest setting is reached, the aiming dot will flash 5 times and begin increasing each time the button is subsequently depressed.
3. To deactivate the illumination, press and hold the button for at least 3 seconds. When reactivated, the illumination will return to the last used setting.

Note - Advanced Use: To change the direction of adjustment, ie change from increasing intensity to decreasing intensity, press and hold the button for 2 seconds and immediately release the button. Then continue pressing and releasing to change intensity.

Leupold third generation illumination systems utilize a proprietary Motion Sensor Technology (MST™) to automatically preserve battery life. If the illumination is activated and the scope/rifle is left dormant for a period of five minutes, the illumination will automatically turn off, but will immediately reactivate as soon as the scope/rifle is moved even slightly.

NOTE: The reticle illumination will begin a 10 sec. countdown prior to the 5 min. timeout expiration. The reticle will flash 10 times before turning off.

To preserve the life of the battery, always remember to turn the illumination off when the scope is not in use. For prolonged storage, remove the battery.

WARNING: Always check to ensure that the firearm is unloaded before changing the battery in the scope.

Low Battery Indicator

For convenience, there is a low battery indicator feature which will cause the reticle to flash upon activation. To check the status of your battery, simply turn the illumination off, then back on. If the reticle flashes, you will soon need to replace the battery.

CAUTION — Always check and be certain that the firearm is unloaded before undertaking any work upon it.

— Objective Lens — Power Selector Ring — Side Parallax Adjustment
— Winding Adjustment — Screw Assembly (scope of scale) — EyePiece
— Elevation Adjustment — CDS-ZL2 Revolution Counter (2nd revolution) — CDS-ZL2 Elevation Dial (locked position)
— ZeroLock Windage Dial
1. Place the lever onto the power selector and tighten the screw. The lever can be oriented facing left or right depending on your preference and bolt clearance requirements.

2. Verify you have comfortable bolt clearance with the power selector set on high. It is imperative that you mount the scope adequately far forward to ensure good clearance.

3. Include a note with your name, address, telephone number, E-mail address, and a description of the problem.

4. Be sure to use factory-loaded ammunition of the same bullet type, weight, and preferably, lot number. If one type from a solid bench with sandbags supporting the forearm and buttstock.

5. Be certain that both the barrel and chamber are clean. Heavy factory grease or copper fouling can diminish the accuracy of the firearm.

TROUBLE SHOOTING TIPS

Before you ship a scope back to the factory for service or repair, please check the following items:

1. Check the mount. Make sure the scope is mounted securely to the rifle. Try, with bare hands only, to gently twist the scope in the rings or see if anything moves when you grip it. If there is any movement, retighten the mounting system according to mounting instructions.

2. Make sure the action of your rifle is properly bedded in the stock, and that all receiver screws are tight and have been tightened in the sequence recommended by the manufacturer. A loosely fitted stock can cause changes to the point-of-impact.

3. When test firing a rifle to check the point-of-impact relative to windage and elevation adjustments, be sure to fire from a solid bench with sandbags supporting the fore and back stock.

4. Be sure to use factory-loaded ammunition of the same bullet type, weight, and preferably, lot number. If one type of ammunition does not shoot well, try another brand for bullet weight and speed.

5. Be certain that both the barrel and chamber are clean. Heavy factory grease or copper fouling can diminish the accuracy of the firearm.

LEUPOLD PRODUCT SERVICE

If your Leupold® Gold Ring scope fails to perform in any way, you may return it directly to the factory (or one of our international service centers) for service. We recommend contacting Leupold Technical Service at 1-800-Leupold (538-7653), and following these shipping instructions:

1. Remove the rings and any other accessories from the scope.

2. Record the serial number of the scope and keep it for your records.

3. Include a note with your name, address, telephone number, E-mail address, and a description of the problem.

4. Pack the scope in its original box (if you have it), as this is the safest shipping container.

5. Ship the scope by parcel or mail service (insured, if possible) to one of the following addresses:

IN THE UNITED STATES:

Pardel or Mail Service
Leupold Product Service
1400 160th Greentree Parkway
Beaverton, OR 97075-5790 USA

OUTSIDE THE UNITED STATES:

Canada: North Group, Ltd.
1-888-317-1483
414-013 East Okotoks, AB T1S 0J1, Canada

Australia: Nova, PO Box 121,
Pinebank, Q10 4008 Australia
(for items originating from Australia, New Zealand, N.California and Japan)

South Africa: Formello, 1079 Pretorius Avenue,
Lyttonville, 0107, South Africa

Our Product Service telephone numbers are Local (538) 526-1400
Toll-Free 1-800-LEUPOLD (538-7653)
Fax (538) 752-6213

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The Best Consumer Protection in the Business

Leupold & Stevens, Inc. is an American, family owned, fifth generation company that has been designing, machining, and assembling precision optical instruments for over 100 years. Leupold’s success has been built on its commitment to your absolute satisfaction and its commitment to building the best optics for the shooting sports and for the law enforcement, military community. It is for these reasons that Leupold & Stevens, Inc. offers the Leupold Full Lifetime Guarantee.

If any Leupold product is found to have defects in materials or workmanship, Leupold & Stevens, Inc. will, at its option, repair or replace it FREE. Even if you are not the original owner. No warranty card is required. No time limit applies. Warranty is void if damage results from unauthorized repair, alteration, or misuse.

The Leupold Guarantee in Germany and other countries where legally prohibited: Leupold is convinced of the high-quality and reliability of its products. This is why each U.S. customer is afforded a lifetime guarantee. For legal reasons, this guarantee must be restricted to 30 years in Germany and other countries where an unlimited lifetime guarantee is prohibited. Each owner, even those that acquired a Leupold product used, can make use of this 30 year guarantee.

THE LEUPOLD ELECTRONICS LIMITED 5-YEAR WARRANTY

This warranty covers any defects in materials and workmanship in the electronic components of illuminated reticles/illuminated, flashlights, flashlight components, RX Rangefinders, GX Rangefinders, Pin-Caddie Rangefinder, RCK Cameras and Vendetta Archery Rangefinder. This warranty lasts for five years from the date of purchase. If, during that five-year period, these products are found to have defects in materials or workmanship, Leupold will repair, or if repair is not possible, replace the product, free of charge.

LEUPOLD MAKES MORE THAN SCOPES

See our complete line of rangefinders, mounting systems, binoculars, spotting scopes, and accessories at your nearest Leupold dealer.

For a free Leupold catalog, write to: Leupold & Stevens, Inc., P.O. Box 688, Beaverton, OR 97075, call (503) 526-1400 or (800) LEUPOLD (538-7653), or send us an E-mail through our Web site at www.leupold.com.