



LEUPOLD

MARK 5HD RIFLESCOPE OWNERS MANUAL

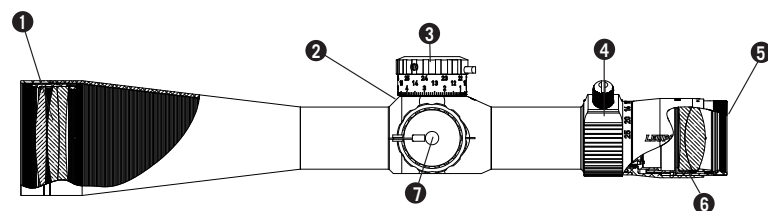
Complete Installation & Operation Instructions

About Leupold & Stevens, Inc.

We're 700 American craftsmen making innovative, battle-proven optics for the world's most relentless hunters and shooters. You won't outlast us. You can't outperform us.

Our products are renowned for their rugged reliability, elite optical performance, and lifetime guarantee. More than a century of engineering, manufacturing, and optical experience goes into every product that bears our name; the results are unrivaled.

Know Your Scope



CAUTION
Always check and be certain that the fire-arm is unloaded before working on it.

- | | | |
|---|-----------------------|---|
| 1 Objective Lens | 4 Power Selector Ring | 7 Side Parallax Adjustment & Illumination Control |
| 2 Windage Adjustment (opposite side of scope) | 5 Ocular Lens | |
| 3 Elevation Adjustment | 6 Eyepiece | |

Installing the Base, Rings, and Scope

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

ESTABLISHING EYE RELIEF

For safety 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 in the mounts as possible, hold the rifle in your normal shooting position. (Variable power scopes should be set at the highest magnification for this process.)
2. Slowly move the scope to the rear just until you can see a full field-of-view.
3. Position your scope here for maximum eye relief.

FOCUSING THE RETICLE

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

Making Precise Windage and Elevation Adjustments

The Leupold Mark 5HD riflescopes are equipped with 0.1 MIL per click adjustments. 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.

Your Leupold Mark 5HD riflescope is equipped with a M5C3 ZeroLock® elevation adjustment and capped windage dial.

To operate the M5C3 dial you must push inward on the lock release button located on the outer 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 M5C3 button will remain extended during the first revolution, then become flush with the dial during the second revolution. On the third revolution, the button will be pulled inside the dial and the silver revolution indicator pin on top of the dial will rise.

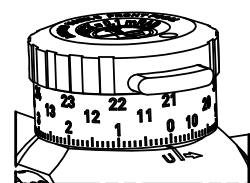
ZEROING THE MARK 5HD WINDAGE AND ELEVATION DIALS AFTER SIGHTING IN

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.

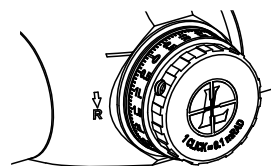
To reposition the dials and the zero stop on M5C3 adjustment:

1. Loosen the two 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, locking the dial.
3. Tighten the set screws until the dial is secure.

To reposition the windage dial simply loosen the three set screws, rotate to align the zero, and retighten.



M5C3 Adjustment



Windage Adjustment

UNDERSTANDING PARALLAX

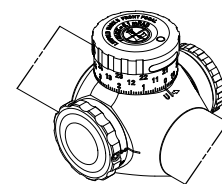
Parallax is the apparent movement of the target relative to the reticle when you move your eye away from the center point of the eyepiece. It occurs when the image of the target does not fall on the same optical plane as the reticle. This can cause a small shift in the point of impact.

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 until the reticle does not move in relation to the target.

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



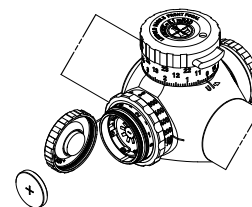
Side Focus Adjustment

Installing the Battery (illuminated models)

Leupold third generation Illuminated Reticle scopes use a CR2032 3v lithium coin-cell battery.

To install the battery:

1. Twist the tethered 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 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.

MARK 5HD ILLUMINATION

To illuminate the reticle:

1. Grasp the illumination dial located on the left side of the maintube.
2. Turn the dial clockwise from the OFF position to the first number indicated on the dial to increase brightness.
3. For convenience, there is an OFF position located between each of the intensity settings, allowing you to preserve the battery and quickly return to your preferred illumination setting.

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

NOTE: The reticle illumination will begin a 10 sec. count down prior to the 5 minute timeout expiring. The reticle will flash 10 times before turning off.

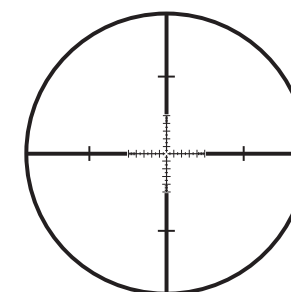
To preserve the life of the battery, always remember to turn the illumination off when the scope is not in use. For prolonged storage, remove the battery.

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

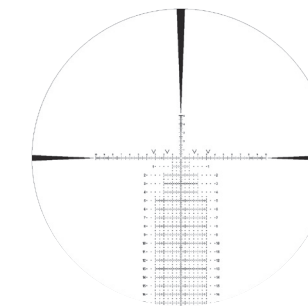
Low Battery Indicator:

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.

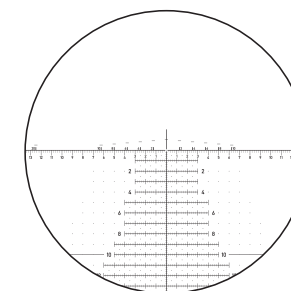
Illuminated Version Available *



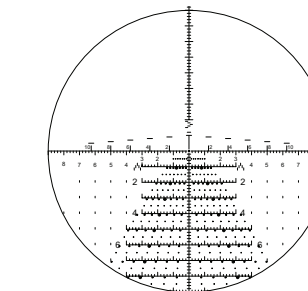
TMR Reticle*



CCH Reticle



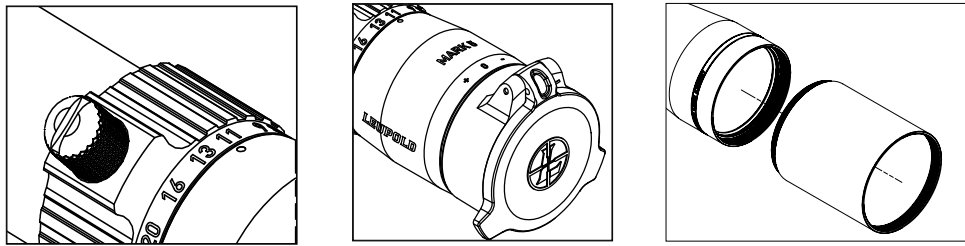
H59 Reticle



Tremor 3 Reticle*

Included Accessories

Your Mark 5HD scope comes equipped with a removable power selector throw lever, flip-open lens covers and a 2.5" lens shade.



Leupold Means Minimal Maintenance

LENSES

To clean lenses, begin by using a lens brush to remove dust. Then use a cotton swab and pure alcohol, high-grade glass cleaner, or pure water to wipe the lens clean.

WINDAGE / ELEVATION ADJUSTMENTS

These adjustments are permanently lubricated. There is no need to lubricate them. Keep the adjustment covers on, except when adjusting, to keep out dust and dirt.

NOTE: Unlike competitive brands, Leupold scopes are waterproof even without the covers in place.

SIDE FOCUS / ADJUSTABLE OBJECTIVE / POWER SELECTOR / EYEPIECE

These adjustments are permanently lubricated and there is no need to lubricate them. The eyepiece can be rotated as far as it will go in either direction. It will not detach from the scope as there is an internal locking.

SCOPE EXTERIOR

No maintenance of any kind is required; simply wipe off any dirt or fingerprints that accumulate with a clean, dry cloth.

TROUBLESHOOTING 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. With bare hands only, gently twist the scope in the rings or see if anything moves when you jiggle 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, be sure to fire from a solid bench with sandbags supporting the forearm and buttstock.
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 or bullet weight.
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:

Register your product at: Leupold.com/account/login

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:

Parcel or Mail Service:
Leupold Product Service
14400 NW Greenbrier Parkway
Beaverton, OR 97006-5790 U.S.A.

Our Product Service telephone numbers are:
Local (503) 526-1400
Toll-Free 1(800) LEUPOLD (538-7653)
Fax (503) 352-7621

OUTSIDE THE UNITED STATES:

Canada: Korth Group Ltd., 64186-393 Loop East
Okotoks, AB T1S 0L1, Canada

Australia: Nioa, PO Box 191,
Pinkenba, Qld 4008 Australia
(for items originating from Australia,
New Zealand, New Caledonia and Japan)

South Africa: Formalito, 1019 Pretorius Avenue,
Lyttleton, 0157, South Africa

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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. For complete details visit leupold.com/leupold-core/leupold-dna/lifetime-guarantee

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 2-YEAR WARRANTY

The Leupold Electronics Warranty covers any defects in materials and workmanship in the electronic components of RX, GX, and PinCaddie Rangefinders, Vendetta Archery Rangefinders, Leupold Thermal Optics, and other Leupold electronic products. This warranty lasts for two-years from the date of purchase. For complete warranty details visit leupold.com/leupold-core/leupold-dna/lifetime-guarantee.

LEUPOLD MILITARY AND TACTICAL PRODUCTS

Warranties outlined above reflect the Leupold & Stevens, Inc. consumer product warranty policy. Military contracts may specify warranty policies that are different from these policies and supersede them. Warranties on Leupold Tactical optical products may vary depending on use and other factors.

WARRANTY EXCLUSIONS

Unfortunately, these warranties do not apply if the product has been modified, misused or has been damaged by accident, abuse, or misapplication. To ensure this doesn't happen to you, contact Leupold Product Service before having any work or repairs done to your valuable Leupold optics. Call 1-800-LEUPOLD or (503) 526-1400

LEUPOLD MAKES MORE THAN SCOPES

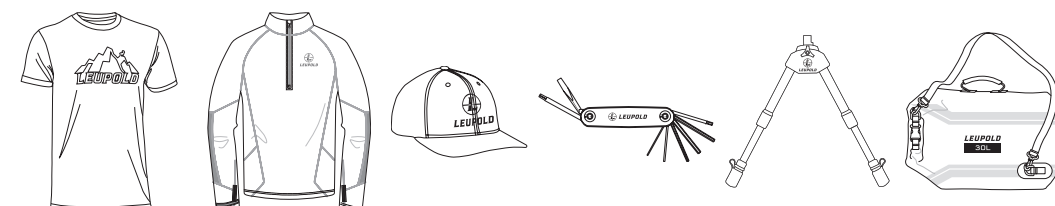
See our complete line of rangefinders, mounting systems, binoculars, spotting scopes, and accessories at your nearest Leupold dealer.

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 leupold.com.

LEUPOLD PRO GEAR

From outerwear to shooting accessories, Pro Gear is tested in the field and built to perform. You can see the full lineup at Leupold.com.



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