



**DOMINATOR XR 6-30X56**  
**INSTRUCTIONAL MANUAL**

## DOMINATOR XR 6-30X56



CONGRATULATIONS! You have just purchased our DOMINATOR XR rifle scope. This scope is designed for long range target shooting and hunting. Featuring a 56mm objective for optimal light gathering, the Dominator XR excels in low light conditions. Additionally, the Illuminated Reticle helps shooters place shots at dawn or dusk. The lowest three illumination settings are night vision compatible.

The Dominator XR 5-30X56 features side parallax adjustment which allow for the shooter to focus in on the image from 20 yards to infinity.  $\frac{1}{4}$  MOA adjustment turrets allow for precise adjustment of your point of impact.

No corners have been cut in the production of these scopes. All glass lenses are meticulously polished to photographic

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quality for exceptional clarity and light gathering capability, which is especially critical during the low light hunting conditions of daybreak and dusk.

Dominator XR 6-30X56mm features:

- A. DiamondTuff fully multi-coated 50mm lenses
- B. Fast Focus Eye Adjustment with a large diameter ocular lens
- C. Tri-Center spring tension for positive contact dial turns and precise adjustments
- D. PermaCoat soft luster, black finish
- E. Rugged All Terrain Rifle scope (ATR) design: Waterproof – Fogproof – Shockproof - Recoilproof

Clarity and accuracy don't mean a thing if your optics can't keep up with the rugged requirements demanded by the modern shooter. Leatherwood/Hi-Lux is committed to providing today's shooter with the optical gear that meets these demands. Hi-Lux Optics ATR Dominator XR Series scopes are manufactured with the All Terrain Rifle scope (ATR) design which leverages the latest scope manufacturing technology for Clarity, Accuracy AND Durability.

Here is a riflescope that's built to take on anything that Mother Nature can dish out.

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## SECTION 1

### SPECIFICATIONS AND BASIC DEFINITIONS

(1) SPECIFICATIONS:

<b>Model</b>	<b>Power</b>	<b>Obj. (mm)</b>	<b>F.O.V.@ 100 Yds (Feet)</b>	<b>Eye Relief (Inch)</b>	<b>Length (Inch)</b>	<b>Weight (O.Z.)</b>	<b>Exit Pupil Range In Variable (mm)</b>	<b>Tube (mm)</b>
DM630X56XR	6-30X	56	16.3' - 3.7'	3.8"	14.5"	27	9.3 - 1.8	30mm

All the air-glass surfaces are fully multi-coated using the special technology to maximize the light transmission. The click adjustments for both Elevation and Windage are ¼ MOA.

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## (2) BASIC DEFINITIONS:

A) Fast Focus Eyepiece; B) Rheostat; C) Magnification Throw Lever; D) Side Parallax Turret; E) Windage Turret; F) Elevation Turret; G) Objective;

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## SECTION 2

### ADJUSTING THE FAST FOCUS EYEPIECE AND RHEOSTAT

Hold the scope about three to four inches from your eye and look through the eyepiece at a featureless, well lit area at least 10m away such as a wall or open sky. If the reticle is not sharply defined, you need to turn the fast focus (4) in or out until the reticle appears in sharp focus.

The rheostat has 10 brightness settings for illuminating the reticle. For the best results in low light situations, we recommend that you set the brightness as low as possible



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while you are still able to see the reticle clearly. The NV setting is designed for use with digital night vision optics. Brightness settings 2 to 4 are for low light illumination. The settings 5 to 9 are the intermediate brightness settings that can give you more choices to choose during low light scenarios. The Max position is the brightest illumination setting. There are two "Off" positions on the rheostat for easy access. The rheostat is located 45 degrees left of the eyepiece. The battery, which is included with the scope, is a 3V lithium coin CR2032 battery. The battery can be changed by first removing the battery compartment cover (1) located at top of the rheostat. Replace the old battery with a new CR2032 battery with "+" side facing up and retighten the cover (1).

### SECTION 3

#### MOUNTING YOUR RIFLESCOPE

To achieve the best accuracy from your rifle, the scope must be mounted properly. You should use a high-quality mount with bases designed to fit your particular rifle.



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To mount the scope:

- A. The scope should be mounted as low as possible without touching either the barrel or the receiver.
- B. Prior to tightening your scope rings, look through the scope in your normal shooting position. Adjust the scope (either forward or backward) until you find the farthest point forward (to ensure maximum eye relief) that allows you to see a full field of view.
- C. Rotate the scope in the rings until the reticle pattern is perpendicular to the bore and the elevation turret is on top.
- D. Tighten the mounting screws.

**WARNING: AVOID OVER-TIGHTENING THE RINGS. WE RECOMMEND TIGHTENING SCOPE RINGS TO NO MORE THAN 20 INCH LBS OF TORQUE. OVER TIGHTENING THE RINGS WILL DAMAGE THE SCOPE, AFFECTING PERFORMANCE OR RENDERING IT INOPERABLE. THERE SHOULD BE A SLIGHT EVEN GAP BETWEEN THE SHOULDERS OF THE RING HALVES. BE SURE THAT THE SCOPE IS MOUNTED FAR ENOUGH FORWARD. ITS REARWARD MOTION MAY INJURE THE SHOOTER WHEN THE RIFLE RECOILS.**

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## SECTION 4

### HOW TO RESET THE SCOPE TO OPTICAL CENTER

The elevation and windage adjustments on the Hi-Lux DM630X56XR are preset to the optical/mechanical center at the factory. For all new scopes, you do not need to reset the erector unit to optical/mechanical center for the scope. However, if you are mounting a scope that was previously zeroed on another rifle, you should reset the scope's internal adjustment prior to zeroing on the new rifle. Centering the Elevation and Windage adjustments to optical center will maximize the total range of internal adjustment. If the erector unit inside the scope is not centered, the Elevation and Windage adjustments will not give equal travel in all directions. To regain the full adjustment range, you need to recenter the adjustments as following:

- (1) First loosen the set screws on the elevation and windage turrets.
- (2) Turn the Windage adjustment all the way counter-clockwise until the turret stops turning. **DO NOT FORCE ANY CLICKS!**

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- (3) Turn the Elevation adjustment all the way counter-clockwise until the turret stops turning. **DO NOT FORCE ANY CLICKS**
- (4) Turn the Windage adjustment all the way back clockwise until you cannot turn the turret anymore. Count the total number of clicks while you are turning the adjustment turret. Remember the total number of clicks.
- (5) Adjust the Windage turret to the Left with half the amount of the clicks counted in the previous step. Now the Windage adjustment is at optical center.
- (6) Repeat the steps (3) and (4) to reset Elevation to optical and physical center.
- (7) Now the scope is in optical center. At optical center, there is about 70 MOA (35 MOA each direction) of total adjustment for elevation and windage.

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## SECTION 5

### BORESIGHTING YOUR RIFLESCOPE

Pre-zero sighting can be done either manually, or with a bore-sighting device. To bore sight manually,

- A. It is necessary to be able to see through the bore from the breech end. In the case of a bolt action, this usually means removing the bolt.
- B. If your scope has parallax adjustment, set it for the distance to the target.
- C. Set the variable-power scope to low power.
- D. With the firearm in a rested position, remove the caps from the windage and elevation screws.
- E. Look through the bore and center the target in the bore and adjust the windage and elevation screws to position the reticle on the center of the target.
- F. To adjust windage, turn the windage adjustment turret clockwise to move the point of impact right and counterclockwise to move the point of impact left.
- G. In the same manner, adjust the elevation by turning the elevation

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adjustment screw clockwise to lower the point of impact and counterclockwise to raise the point of the impact. \*\*If a large amount of adjustment is required to align the reticle, make approximately one-half of the windage correction, then approximately one-half of the required elevation correction.

H. Finish by applying the remaining windage and elevation adjustment.

If you can't see through the bore then it will be necessary to use some type of bore-sighting device. When using a bore-sighting device, follow the instructions provided with the device.

OPTIONAL: If your mounting system allows for adjustment of the scope, the gross adjustments should be made in the mount and then the final adjustments made with the scope's internal adjustment system.

**WARNING: ALL SHOOTING SHOULD BE DONE AT AN APPROVED RANGE, OR SAFE AREA. EYE AND EAR PROTECTION IS RECOMMENDED.**

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## SECTION 6

### ZEROING YOUR DOMINATOR XR 6-30X50 RIFLE SCOPE

**WARNING: IF A BORE SIGHTING COLLIMATOR OR ANY OTHER BORE OBSTRUCTING DEVICE WAS USED; IT MUST BE REMOVED BEFORE PROCEEDING. ANY OBSTRUCTION CAN CAUSE SERIOUS DAMAGE TO THE GUN AND PERSONAL INJURY TO YOU AND OTHERS NEARBY.**

The zero range will depend on your shooting needs and range conditions.

- A. In general, if most of your shots will be at close distances, zero-in the center dot of the XR reticle at 100 yards. For long range target shooting or big game hunting, most experienced shooters zero-in about three inches high at 100 yards.
- B. Adjust the parallax setting to the distance you are zeroing at. From a rested position, fire three rounds at the target.
- C. Observe the points of impact on the target and adjust the Windage and Elevation screws as needed to bring your point of aim to the desired point of impact. The point of impact moves in the direction indicated on the adjustment

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turrets and by 1/4 MOA/click.

- D. Repeat as necessary.
- E. Once the zeroing of the scope is completed, you need to put both windage and elevation caps back on the turret to prevent unintentional adjustment.

Each click of the adjustment changes bullet impact at 100 yards by the amount indicated on the windage and elevation adjustments. The adjustments are calibrated in Minutes of Angle (MOA). One minute of  $v$  is very close to 1 inch at 100 yards. To calculate the click value at distances other than 100 yards, use the following formula: divide the distance (number of yards) by 100. Then multiply this number by the click value stated on the windage and elevation adjustments. This will tell you the actual click value of the scope at that distance.

For Example: your range is 200 yards. Divide 200 by 100 and that equals 2. Multiply the 1/4 minute indicated on the adjustments by 2 and the adjustment at 200 yards is 1/2 inch per click. At 400 yards, you would multiply 1/4 by 4 and that would give 1 inch per click and so on.

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## SECTION 7

### MAGNIFICATION THROW LEVER

The Dominator XR 6-30X56 magnification throw lever allows the shooter to quickly and easily change magnification settings.

As the scope is in the second focal plane, the operator can take advantage of the range finding capabilities of the scope. Simply frame a known sized target on the ranging scale and read the second set of numbers on the magnification ring.

## SECTION 8

### SIDE PARALLAX ADJUSTMENT

The Dominator XR side parallax adjustment allows for parallax correction at various user-select ranges from 20 yards up to infinity. To be parallax free, the target must



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be located at the distance for which the scope is focused.

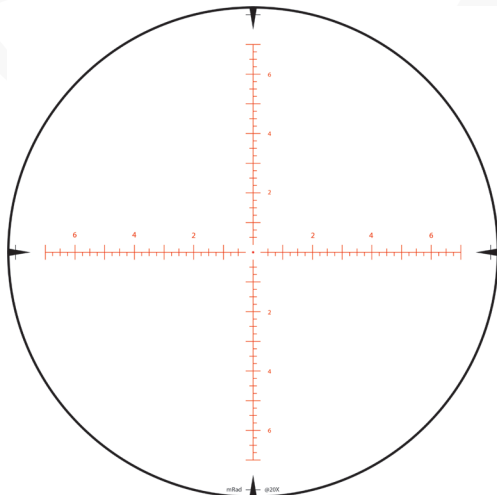
If the parallax setting is for any other distance, there will be parallax. Parallax manifests itself as apparent movement of the reticle against the stationary target.



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## SECTION 9

### Dominator XR 7-30X50 MOA RETICLE



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The new Dominator XR 6-30X56 rifle scope features a Mil etched glass reticle for long range shooting and range estimation. The Center features a 1/4 MOA dot. The center opening measures 1/4 Mil x 1/4 Mil. Both the horizontal and vertical axes indicate quarter Mil subtensions.

The XR reticle has a true Mil relationship at 20X. At 10X, the value of each reticle subtension is doubled.

For example, the 1 Mil marking will be equivalent to 2 Mil of holdover at 10X, the 5 Mil marking will be equivalent to 10 Mil of holdover at 14X.

## SECTION 10

### MAINTAINING YOUR RIFLESCOPE

Your scope, though amazingly tough, is a precision instrument that deserves reasonable and cautious care. For normal maintenance:

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- A. Do not attempt to disassemble or clean the scope internally.
- B. The external optical surfaces should occasionally be wiped with the microfiber lens cloth provided or an optical quality lens wipe.
- C. Keep the protective lens covers in place when the scope is not in use.
- D. Remove any external dirt or sand with a soft brush so as to avoid scratching the finish.
- E. Wipe the scope with a damp cloth, followed by a dry cloth.
- F. Then go over the metal portions of the scope with a silicon treated cloth in order to protect the scope against corrosion.
- G. Store the scope in a moisture-free environment.
- H. Avoid storing the scope in a hot place, such as the passenger compartment of a vehicle on hot days. The high temperatures could adversely affect the lubricants and sealants. A vehicle's trunk, a gun cabinet or a closet is the preferred storage locations.

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- I. Never leave the scope where direct sunlight can enter either the objective or the eyepiece lens. Damage may result from the concentration of the sun's rays (burning glass effect).

**WARNING: UNNECESSARY RUBBING OR USE OF A COARSE CLOTH MAY CAUSE PERMANENT DAMAGE TO LENS COATINGS.**

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## SECTION 11

### DIAMONDTUFF GUARANTEE

Hi-Lux, Inc. warrants its products against defects arising from faulty workmanship or materials, for the lifetime of the product. Normal wear and tear, accidental or intentional misuse, and theft are not covered under this warranty policy. After one year, optical components may need to be serviced as part of general optic care. Such services are not warrantable. Any attempt to alter, dismantle or change the standard specifications of the products, will make this warranty null and void. This warranty is made to the original purchaser of the goods, and applies only to the products purchased in the United States. The warranty is transferable.

Warranty obligation is limited to the repair or replacement of any product returned to Hi-Lux, Inc. that is determined by the manufacturer to have defects arising from faulty workmanship or materials that adversely affect the satisfactory operation of the product. It should be noted that on items containing an etched glass reticle, the occasional appearance of some small particles is common and not a warrantable

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repair. Hi-Lux provides a two-year warranty for the electronic components that are contained on the products.

Hi-Lux, Inc. reserves the right to request proof of purchase and purchase date. Hi Lux assumes no liability for any incidental or consequential damages, theft, or incidental expenses. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply. No warranties are made, or are authorized to be made, other than those expressly contained herein.

To file a claim under this warranty, please contact the Customer Service Department of Hi-Lux, Inc. at (310)257-8142 to obtain a Return Authorization number (RA number). After receiving your RA number, please mark the number on the outside of the package; enclose the defective item with a brief explanation of the problem. Please be sure to include your name, address and phone number. Failure to obtain a RA number may result in either refusal upon delivery, or lengthy delays for warranty repairs and service required for the item returned to us.

All returns are to be shipped prepaid direct to Hi-Lux, Inc. including a check or

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money order in the amount of \$21 to cover postage and handling. Additional fees will be applied to all returns from outside the continental United States.

Attn.: Warranty & Service Dept.  
Hi-Lux, Inc.  
3135 Kashiwa Street  
Torrance, CA 90505  
Tel: (310) 257-8142, Fax: (310) 257-8096  
E-Mail: [techservice@hi-luxoptics.com](mailto:techservice@hi-luxoptics.com)  
[www.hi-luxoptics.com](http://www.hi-luxoptics.com)

In the event of a non-warranty repair, you will receive an estimate prior to any work being done. This warranty gives you specific legal rights and you may have other rights, which vary from state to state. As defined by federal law, this is a limited warranty.



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