



**PHENOM ED FIELD
FLATTENED BINOCULARS**
INSTRUCTIONAL MANUAL

PHENOM ED FIELD FLATTENED



CONGRATULATIONS! You have just purchased our PHENOM ED Field Flattened binocular; one of the best binoculars in its class. The Phenom ED binoculars deliver phenomenal edge to edge image sharpness due to the addition of a flat view lens in the optical system. The High Definition Extra Low Dispersion glass lenses eliminate color fringing and chromatic aberration. This allows the operator to focus solely on the

target, whether you're tracking big game or birding.

The Phenom ED binoculars enable its users to completely compensate for their individual eyesight. The center focus wheel is first used to adjust the left eye. Next, the lockable right eye diopter can be deployed by simply pulling up on the center focus knob.

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Not only do the Phenom ED binoculars showcase superb image quality, they are ergonomically designed to be compact and comfortable to use. With RubberGuard armoring encasing the magnesium-aluminum alloy chassis, the Phenom ED offers outstanding durability at a fraction of the weight. The two thumb indents in the RubberGuard armor on the bottom of each barrel improve grip and user accessibility.

No corners have been cut in the production of these binoculars. All glass lenses are meticulously polished to photographic quality for exceptional clarity and light gathering capability, which is especially critical during the low light hunting conditions of daybreak and dusk.

All Phenom ED binoculars feature:

- A. **Flat View Lens**
- B. **DiamondTuff14 Fully Multi-Coated Lenses**
- C. **Extra Low Dispersion Glass**
- D. **Dielectric Reflective Coating**
- E. **RubberGuard body armor**
- F. **Magnesium alloy chassis**

Clarity doesn't mean a thing if your optics can't keep up with the rugged requirements demanded by the modern outdoorsman. Leatherwood/Hi-Lux is committed to manufacturing high quality optics that meet these demands. The Phenom ED Field Flattened binoculars are backed by our DiamondTuff Lifetime Guarantee.

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SECTION 1

SPECIFICATIONS AND BASIC DEFINITIONS

(1) SPECIFICATIONS:

Model	Power	Obj. (mm)	F.O.V.@ 1000 Yds (Feet)	Interpupillary Distance (mm)	Close Focus Distance (ft)	Weight (O.Z.)	Twilight Factor	Luminosity
PM8X42	8X	42	421'	56-74mm	4.9'	28	18.33	27.0
PM10X42	10X	42	342'	56-74mm	4.9'	29	20.5	17.6

All glass lenses are fully multi-coated with DiamondTuff14 to maximize the light transmission.

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(2) BASIC DEFINITIONS:

A) Twist Up Eyecup; B) Center Focus Wheel; C) Strap/Harness Attachment;
D) Locking Diopter; E) Tripod Adapter Socket; F) Objective Lens

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SECTION 2

CUSTOMIZING YOUR PHENOM ED SETUP

The eyecups of the Phenom ED binoculars are adjustable so that every viewer can comfortably look through these binoculars. Simply twist the eyecups counterclockwise to raise the eyecups. There are two set positions for the eyecups.

Additionally, you can also adjust the Interpupillary distance (IPD) by rotating both barrels of the binocular inward or outward. The IPD is the distance between the center of your left and right pupils. Match the IPD of your eye so that you can comfortably look through both barrels of the binocular and see a single image without any shading.



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SECTION 3

FOCUSING YOUR PHENOM ED BINOCULARS

For the best results in the field, follow this three step procedure to properly adjust the center focus and diopter for your individual eyesight. Scan and find an object at least 10 yards away from you and stay in the same spot until you have adjusted the binocular for both eyes.

1) Adjust the Center Focus Wheel for your LEFT eye

- Close your right eye or cover the right objective lens with your hand.
- Focus your left eye on the object and adjust the center focus wheel until the image is in sharp focus.

2) Adjust the Diopter for your RIGHT Eye

- Pull up on the center focus wheel to unlock the Right Eye Diopter
- Close your left eye and turn the right eye diopter until the image is in sharp focus.
- Press down on the center focus wheel after you have adjusted the right

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eye diopter to lock this setting in place.

3) Use Center Focus Wheel to Fine Tune Focus

- Keep both eyes open and adjust only the center focus wheel (if necessary) to fine tune the image sharpness.

SECTION 4

MAINTAINING YOUR BINOCULARS

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

- Do not attempt to disassemble or clean the binoculars internally.
- First remove any dust or sand from the lens surfaces before wiping. Use a can of pressurized air, a soft camel hair brush, or acrylic optical brush.
- The external optical surfaces should occasionally be wiped with the microfiber

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lens cloth provided or an optical/non-abrasive lens wipe. NEVER USE FACIAL TISSUE, HEAVY COTTON, OR FLANNEL CLOTH ON LENSES. THESE MATERIALS WILL SCRATCH AND DAMAGE THE LENSES.

- D. Keep the protective lens covers in place when the binoculars are not in use.
- E. Wipe the rubberbody with a damp cloth, followed by a dry cloth.
- F. Store the binoculars in a moisture-free environment.
- G. Avoid storing the binoculars 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 cabinet or a closet are the preferred storage locations.
- H. Never leave your binoculars 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 5

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

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reticle, which the occasional appearance of some small particles is common and not a warrantable 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.

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

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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