



LUX TACTICAL
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LUX TACTICAL

2500 OLED

10x42 LASER RANGEFINDING BINOCULAR
USER MANUAL

LUX TACTICAL

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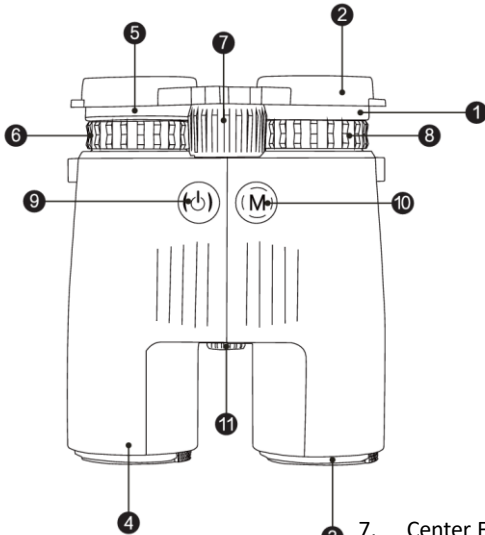
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LUX TACTICAL

Congratulations on your new rangefinder. The Lux Tactical 2500 OLED is a powerful laser rangefinding binocular designed for hunting, archery and sports shooting. Its ACD (Angle Compensated Distance) mode offers the horizontal distance information regardless of inclined angle in an easy, simple-to-read OLED display.

This guide will help you set up your Lux Tactical 2500 OLED laser rangefinding binocular to match your preferences.

2500 OLED



1. Eyepiece
2. Eyepiece Cover
3. Objective Lens
4. Objective Lens Cover
5. Eyecups
6. Right Display Focus
7. Center Focus Dial
8. Left Diopter Focus
9. Power and Ranging Button
10. Mode Button
11. Tripod Adapter Socket

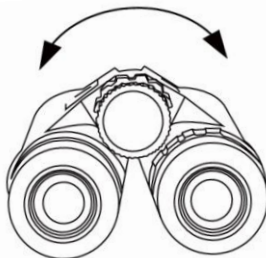
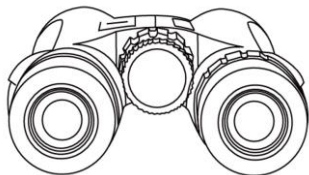
OPERATION

Eyecups Adjustment

To ensure comfortable and full field of view, the eyecups on the Lux Tactical 2500 OLED are adjustable. It is recommended to keep the eyecups fully extended for regular use and to twist down when wearing eyeglasses.

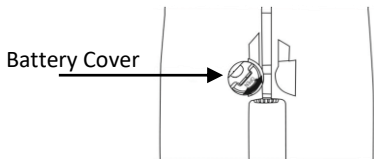
Inter-Pupillary Distance Adjustment

The inter-pupillary distance (IPD) is the distance between the centers of user's left and right eye pupils. It is recommended to rotate binocular barrels inward or outward until the user sees a single field of view without shading.



Battery Installment

Remove the battery cover and open the battery compartment. Install the included CR2 battery with positive side facing out.



The battery life has more than 5,000 ranging times at normal working temperature. When the battery is sufficient, the battery state indicator doesn't show up. The low battery state indicator appears at 30% and stays on until no power.

 Low Battery State Indicator

Attention:

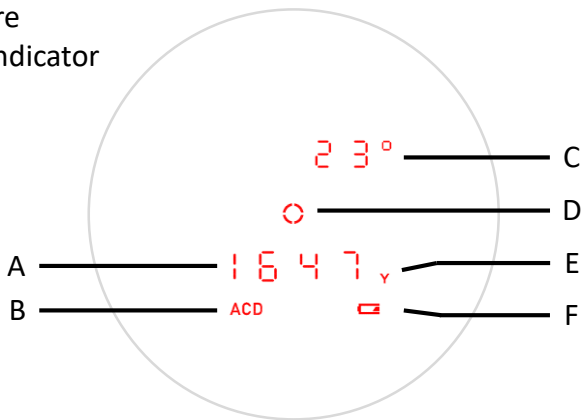
- Please remove the battery when the battery is exhausted or not used for a long time.
- Do not place the battery in extreme temperature environments.
- Waste batteries must be recycled in appropriate ways.

Focusing Adjustment

1. Press and release the Power button to turn on the rangefinder.
2. Close the left eye and focus the right eye on the object. Adjust the Center Focus Dial until the object is in focus. Then leave the center focus dial in this position.
3. Keep closing the left eye. Now use the Right Display Focus ring to adjust the display focus and make it sharp. Once done, the user doesn't need to repeat this step again.
4. Close the right eye and focus the left eye on the same object. Adjust the Left Diopter Focus ring until the object is in focus. It is recommended to mark this diopter setting in case readjustment is needed.
5. From now on, the user shall only need to re-tune the Center Focus Dial.

RANGEFINDING DISPLAY ELEMENTS

- A. Distance Values
- B. Ranging Mode
- C. Angle of Incline
- D. Ranging Reticle
- E. Unit of Measure
- F. Battery State Indicator



MODE SELECTIONS AND SETTINGS

Ranging Mode

After pressing the Power button to turn on, press and hold the “M” Mode button for 2 seconds to access the settings menu. The first menu screen is the Ranging Mode selection. Press the Power button to switch between the ACD (Angle Compensation Distance) and LOS (Line of Sight) modes.

Press the Mode button to save the current setting and advance to the next menu screen. To save and exit the settings menu, wait for 20 seconds to automatically return to normal ranging operation.

0 n
ACD

ACD Display

0 F F
ACD

LOS Display

OLED Display Brightness

In the menu screen of OLED display brightness, press the Power button to select levels from 1 to 9.

Press the Mode button to save the current setting and advance to the next menu screen. To save and exit the settings menu, wait for 20 seconds to automatically return to normal ranging operation.



Display Brightness Setting

Unit of Measure

Ranged distances can be in Yards or Meters. To change the units, press the Power button to select between the Yards or Meters. Press the Mode button to save the current setting and advance to the next menu screen.

Ranging Reticle

There are multiple ranging reticle options in the menu screen. To change the ranging reticle, press the Power button to select among different options. Press the Mode button to save the desired one and return to the normal operating mode.

Target Mode

The Lux Tactical 2500 OLED provides the range of the target with the strongest range result only.

RANGING OPERATION

Single Ranging Measurement

After pressing the Power button to turn on, place the ranging reticle on the target and press the Power button to get the measurement. If the laser is not able to range either because the target is too close or the reflectivity of the target is too low, the user will see a display similar to the shown below. Please re-aim and press the Power button again to range a new target.

Continuous Measurement (Scan Ranging)

Press and hold the Power button to activate the scan mode. The distance will be continuously measured when the user keeps holding down the Power button and move back and forth across target.

It will return to the normal operation mode after the user release the Power button.



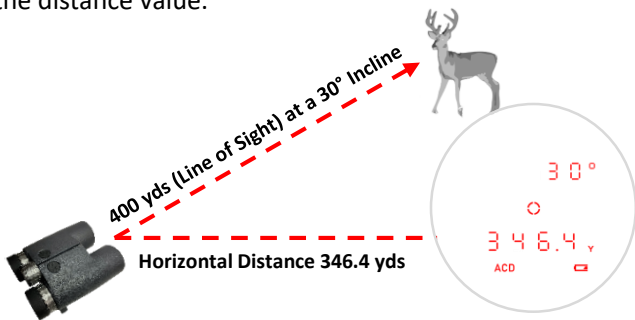
No Range
Returned

Ranging Mode

The Lux Tactical 2500 OLED rangefinding binocular has two ranging modes: ACD (Angle Compensation Distance) and LOS (Line of Sight). Continuous Measurement (Scan Ranging) is available in both modes.

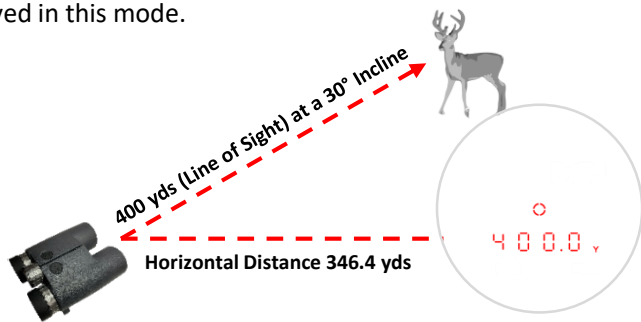
ACD Mode

The preset ACD mode displays the angle-compensated and horizontal component distance. The incline angle is also displayed in this mode above the distance value.



LOS Mode

In LOS mode, the distance value displayed is the actual line of sight range with no correction for slope. The slope/incline value is not displayed in this mode.



Tripod Use

To use on a tripod, a binocular tripod adapter is required for the standard 1/4"-20 thread mount.



RANGEFINDING TIPS

The rangefinding binocular emits a pulse of laser light towards target and the travel time costed for the laser light to emit and return to the rangefinding binocular determines the distance measurement.

- Large objects are easier to range than small objects at longer distances.
- Upright flat surfaces will reflect laser better than curved surfaces.
- Solid objects like rocks reflect laser better than bushes and animal hair.
- Light colors and shiny surfaces reflect better than dark colors and dull surfaces.
- It may result to false reflections and readings when the user ranges over water.
- Laser performance improves when ranging under cloud cover compared to bright sunny conditions. Snow, rain, and fog negatively impact ranging capability.

CARE AND MAINTENANCE

Use the eyepiece and objective lens covers to protect the lenses when not viewing. When exposed to moisture, keep the lens covers off and let optics dry out before enclosing them in the case for storage.

Ensure the lens surfaces remain clean and free from dirt, oils and dust. Failure to do so can damage lens coatings. To clean the exterior lenses:

1. Remove any dirt or debris from lenses before wiping by using acrylic lens brush, pressurized air, or the Lens Pen.
2. Remove smudges and fingerprints from lenses by fogging them with breath and then cleaning with a non-abrasive lens cloth.

CAUTION:

Don't use heavy cotton, facial tissue or flannel clothing on lenses, which can scratch the lens surface.

Never disassemble the Lux Tactical 2500 OLED. Disassembly by anyone other than our factory will void the warranty.

ACCESSORIES



Carry Case x1



Eyepiece Lenses Cover x1



Objective Lens Cover x2



Neckstrap x1

SPECIFICATIONS

Measure Range

Effective 6 – 2500 yds

Reflective 2500 yds

Non Reflective 2000 yds

Deer / Game 1300 yds

Magnification		10x
Range	m	5m - 2286m
	yds	6yds - 2500yds
Accuracy		±1 yd, < 300yds; ±2 yds, 300yds - 1500yds
Angle Range		±60°
Display Type		Red OLED
FOV	m@1000m	102
	Angular (°)	5.8
Exit Pupil (mm)		4.2
Eye Relief (mm)		14
Min. Focus Distance (m)		6
Ocular Adjustment (Diopter)		±5
Battery		CR2
Weight (g)		705
Length (mm)		148

SAFETY AND PRECAUTIONS

- DO NOT PRESS THE POWER BUTTON WHILE AIMING AT THE HUMAN EYE OR WHILE LOOKING INTO THE OPTICS ON THE OBJECTIVE SIDE.
- DO NOT LOOK AT THE SUN THROUGH THE BINOCULAR.
- DO NOT LEAVE THE LUX TACTICAL 2500 OLED WITHIN THE REACH OF SMALL CHILDREN.
- DO NOT TAKE THE PRODUCT APART OR MODIFY THE PRODUCT IN ANY WAY TO EXPOSE INTERNAL ELECTRONICS. IT MAY CAUSE AN ELECTRIC SHOCK.
- DO NOT USE ANY OTHER POWER SOURCE OTHER THAN A CR2 BATTERY.

CLASS 3R LASER PRODUCT INVISIBLE LASER RADIATION AVOID DIRECT EYE EXPOSURE

This product complies with IEC60825-1:2014-05 Ed.3.0 and complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.



WARRANTY

The Lux Tactical Warranty covers any defects in materials and workmanship in the electronic components of Lux Tactical 2500 OLED Rangefinding Binocular under normal use for three (3) years from the customer's proof of the first purchase of the new product from an authorized commercial dealer of Lux Tactical or Lux Tactical directly.

In the event of a need for service or repair, please visit lux-tactical.com or email info@lux-tactical.com. Lux Tactical will, free of charge and as determined by Lux Tactical, either repair or replace your product with a comparable one during warranty period. This warranty extends to subsequent owners to the remaining extent of the original owner's warranty.

Note: The warranty does not cover theft, loss, neglect, abuse, misuse, deliberate damage, cosmetic damage not affecting product performance, and any damage caused by repairs or services not performed by Lux Tactical.



LUX TACTICAL

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