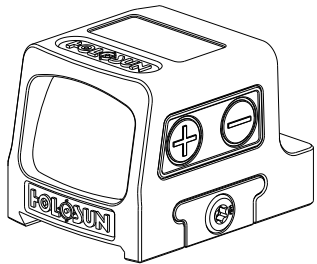


HE509T

HOLOSUN[®]



User's Manual

www.holosun.com

Thank you for purchasing the HOLOSUN HE509T-GR/RD X2 Enclosed Reflex sight. This enclosed reflex optical sight is sized for use on either a pistol or rifle. Multi-Reticle System™, Shake Awake™ technology and our Solar Fail Safe™ dual power system combine to provide unparalleled performance and versatility. Before operation, please read the User's Manual carefully.

Model

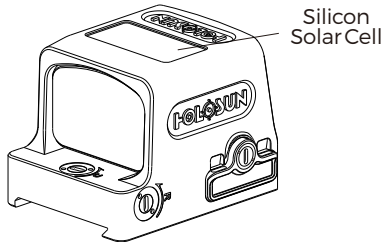


Fig1 HE509T-GR/RD X2 Enclosed Reflex Sight

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **Seek Immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



Important Notices

1. Ensure the firearm is unloaded and cleared by removing all ammunition and magazines from firearm and verifying an empty chamber before installation or battery replacement. **DO NOT ATTEMPT TO INSTALL THIS SIGHT KIT ON A LOADED FIREARM.**
2. Improper installation of firearm parts or accessories may result in death or serious personal injury. If you are not properly trained in the installation of these parts, have them installed by a gunsmith or armorer.
3. Please keep the packaging should you need to make a warranty claim.

Objective Lens

All reflex sights have an objective (front) lens that is positioned off axis and appears to be tilted when looking at the sight. This angle of the objective lens allows the light generated by the LED inside the unit to be reflected creating the aiming point. The reflected light becomes the "dot" or aiming reference that the user sees. (See Fig 2)

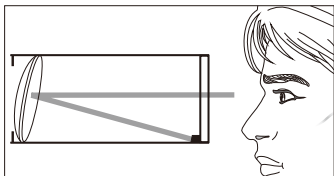


Fig 2

Features

1. Three Modes: Auto, Manual, Lockout.
2. 32MOA circle and dot, 2MOA dot only and 32MOA circle only.
3. Shake Awake™ - Motion on with last setting recall.
4. Parallax free, unlimited eye relief.
5. Enclosed Design.
6. Solid Titanium Body.
7. 8 day light and 4 night vision compatible brightness settings.
8. Window Size 0.66x0.9 inches.
9. Waterproof: IP67.

Multi-Reticle System

The reticle for this sight is a 2MOA dot centered in a 32MOA circle with four positioning points. The diameter of the circle reticle represents approximately 32" at 100 yards (81cm at 100m). Hold the "-" button for 3 seconds to switch between the three reticles (Dot with Circle, Dot only, Circle only) in that order. (See Fig 3)

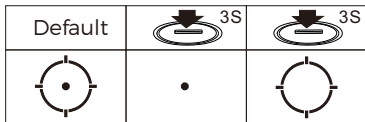


Fig 3

Battery

1. The HE509T operates with our Solar Failsafe™ dual power system (solar cell and internal battery). One high quality CR1632 Lithium battery is included with purchase.
2. A high quality battery can power the Circle-Dot for up to 20,000 hours, or on the 2MOA dot only or for up to 50,000 hours at a mid setting.
3. Battery replacement. (See Fig 4)
 - 1) Remove the battery:
 - i. Remove the battery tray screw.
 - ii. Use the included tool as a lever in the top battery tray slot to remove the battery tray and battery.
 - 2) Battery installation:
 - i. Insert the battery into the battery tray with the POSITIVE side facing DOWN.

- ii. Insert and press the tray into the battery compartment.
- iii. Tighten the battery tray screw to 5 in/lbs with medium thread locker.

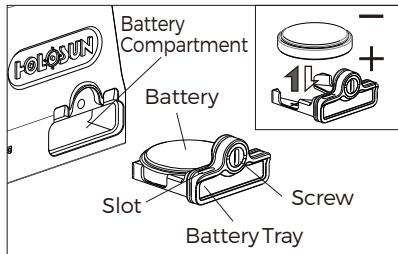


Fig 4

Caution:

- 1. Battery type (CR1632).
- 2. Battery chemistry (lithium).

- 3. Nominal voltage: (3V).
- 4. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- 5. Even used batteries may cause severe injury or death.
- 6. Call a local poison control center for treatment information.
- 7. Non-rechargeable batteries are not to be recharged.
- 8. Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- 9. Ensure the batteries are installed correctly according to polarity (+ and -).
- 10. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.

11. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.

12. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

13. The loss or damage of the battery tray gasket may cause water to leak into the battery compartment which could damage the product.

Note: The product include “Warning: contains coin battery” icon (See Fig 5), please don’t forcefully remove it.



Fig 5

Installation on the Slide

1. The HE509T is compatible with an industry standard mounting interface using the included mounting plate.

2. (Fig 6-2) Use the two included 6-32 T10 flat head screws to attach the mounting plate to an industry standard mounting interface. Tighten the screws to 15 in/lbs.

3. (Fig 6-1) Use a T10 Torx tool (included) to loosen the clamp screw, then attach the HE509T onto the plate so the recoil lug engages the slot on the plate. Apply forward pressure and tighten to 20 inch/lbs.

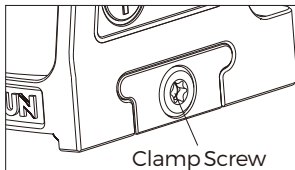


Fig 6-1

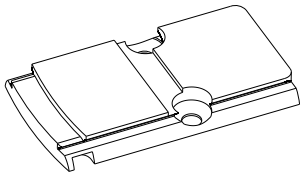


Fig 6-2

Sight Operation

1. Switch ON: Momentarily press either brightness button ("+" or "-") to turn on the sight. (See Fig 7)

2. Power OFF: Press the "+" and "-" buttons simultaneously to power the sight and motion sensor off (this also turns off Shake Awake).

3. Operation Mode: Three modes are available in the following order: Auto Mode -> Manual Mode -> Lockout Mode.

1) Auto mode (default) - Powered by both solar cell and internal battery: Based upon ambient lighting levels, the sight will switch between battery and solar cell power automatically for operation in all lighting conditions.

i. In Auto Mode, the brightness of the reticle is automatically adjusted to match ambient lighting.

ii. The battery will compensate for power if the solar cell cannot drive the reticle alone.

iii. RED: If lighting is low, the sight will automatically switch to the battery. While running on battery, you can adjust the reticle brightness using the "+" and "-" buttons to switch between high and low brightness levels.

iv. GREEN: If lighting is low, the sight will automatically switch to the battery. While running on battery, there are 8 settings from 3-10 in the lowest gear which have same brightness of manual mode. Press "+" or "-" to adjust the brightness and you are at setting X, the brightness will vary from X to 12 based on ambient lighting.

2) Manual Mode:

i. Hold the "+" button for 3 seconds to enter into manual mode. A single reticle blink confirms the change.

ii. Brightness adjustment: There are 12 settings for reticle brightness levels in manual mode. Settings 1 to 4 are NV compatible and setting 12 is the brightest. Use "+" or "-" to increase or decrease the brightness.

3) Lockout Mode:

Switch to lockout mode from manual mode by holding the "+" button for about 3 seconds, until the LED blinks once. In lockout mode, momentary presses of the "+" or "-" button will not change settings. To exit the lockout mode, press and hold the "+" button again for 3 seconds, the LED will blink once then switch to auto mode.

4. Sleep Time Setting:

1) Please note that your reticle will automatically enter into sleep mode after 10 minutes of no movement.

2) The sight will instantaneously wake up and turn on with any motion detected, returning to the last saved setting.

3) The default sleep timer setting is 10 min, but can be adjusted.

i. Press and hold the "+" button for 10 seconds to enter sleep time adjustment mode. There are 4 options: 10 min, 1h, 12h or the sleep mode is disabled.

ii. Momentarily press either "+" or "-" button to set the time. The LED will blink as follows: 1=10 min, 2=1h, 3=12h, or 4=disable sleep mode (Shake Awake is disable).

iii. Press the "+" and "-" buttons simultaneously to save the sleep timer setting, this will power off the sight.

5.NOTE:

1) Memory function: The sight will remember the last saved brightness setting when powered on and off.

2) Low battery warning: If the battery voltage is below 2.2Vdc, the reticle will blink once every two seconds. (The warning voltage of HE509T-GR X2 is 2.3Vdc)

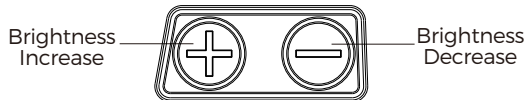


Fig 7

Zero Setting

1. This sight has been factory adjusted to an approximate 25 yard zero and should require minimal adjustment to achieve zero.
2. The Elevation adjustment is located on top of the tail section of the housing and the Windage adjustment is located on the right side of the housing. Adjustment can be performed by inserting the flat-tipped end of the included tool into the turret slot and rotating. (See Fig 8)
3. Windage and Elevation adjustments are approximately 1 MOA per click.
4. Each adjustment click has a value of approximately 1 MOA or 1 inch at 100 yards (1/2" at 50y; 1/4" at 25y). When zeroing at 25 yard, if your impacts are 2 inches low and 1 inch right, you will need to adjust Elevation 8 clicks UP (counterclockwise) and 4 clicks LEFT (clockwise).

5. The maximum adjustment range is ± 30 MOA from center.

Caution: If you feel the knobs can no longer be rotated, you may have reached the mechanical limit of the adjustment turret. Do not try to rotate the knobs further if you feel a bind or you may cause damage.

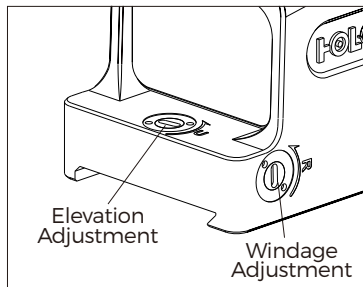


Fig 8

Included Tool:

1. Flat tipped end is used to adjust the Windage & Elevation.
2. T10 Torx tool for screws (see Fig 9).

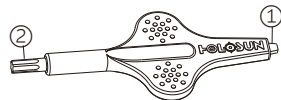


Fig 9

Maintenance & Care

This device is a precision instrument that deserves reasonably cautious care. The following tips are provided to ensure a long product life. The optical lenses are multicoated optical glass. When cleaning the lenses, blow away the dust on the surface, wet the lens with lens cleaner or clean water, then wipe away smudges with lens tissue, soft cotton or a microfiber cloth. Avoid touching the glass surface with dry cloth or tissue paper. Do not use organic solvents such as alcohol or acetone. No special maintenance is needed for the housing surface. Do not try to dismantle the device as the internal parts are specially cleaned and sealed and with an anti-fog treatment. Any such attempt will void the warranty.

Limited Warranty

We provide a limited lifetime warranty from the date of purchase on parts and workmanship to the original purchaser. At our sole discretion, we will repair or replace products found to be defective under normal use without charge, excluding any delivery costs, which will be born by purchaser. We will not be liable for incidental, consequential, or special damages arising out of or in any connection with the use or performance of this product. This warranty is void if the product has been misused, modified, neglected, or disassembled prior to its return. Please refer to www.holosun.com for current and complete warranty information and other conditions.

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