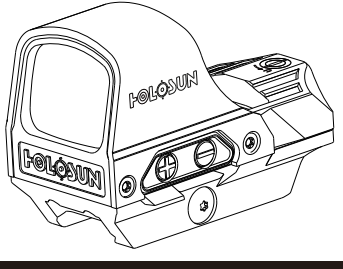
510C



User's Manual

www.holosun.com

Thank you for purchasing the HOLOSUN HS510C/HE510C-GR series Open Reflex Sights. This open reflex sight features a circle dot reticle, a rugged aluminum housing and a titanium hood. It has Shake Awake™ technology and is dual powered by solar & battery technology. Before operation, please read the User's Manual carefully.

Model

Circle Dot

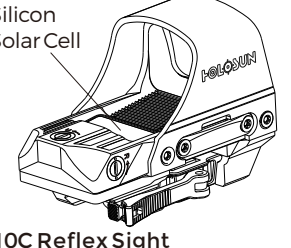


Fig 1 HS510C Reflex Sight

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.

⚠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.

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)

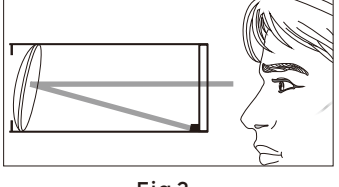


Fig 2

Features

1. Advanced LED technology: Up to 20,000 hours battery life for circle dot or 50,000 hours for dot only.
2. Three Reticle Options: 65MOA circle and dot, 2MOA dot only and 65MOA circle only.
3. Parallax free with unlimited eye relief.
4. Shake Awake™ - Motion on with last setting recall.
5. Solar FailSafe™.
6. 10 day light and 2 night vision compatible brightness settings.
7. Aluminum Body with Titanium Hood.
8. 1.41"Detachable QD Mount.
9. Window Size 0.91x1.26 inches.
10. Ip67 certified waterproof.

Multi-Reticle System

The reticle for this sight is a 2MOA dot centered in a 65MOA circle with four positioning points. The diameter of the circle reticle represents approximately 5' 5" at 100 yards(170cm at 100m). Holding the "-" button for 3 seconds will cycle the reticle between Circle-Dot, Dot only, and Circle only. (See Fig 3)

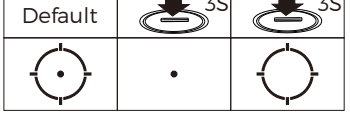


Fig 3

Battery

1. Fail Safe operation with a dual power supply (solar component and battery). one high quality CR2032 Lithium battery is included with your sight.
2. A high quality battery can power this device for up to 20000 hours (dot with circle) or 50000 hours (dot) at setting 6.
3. Battery Replacement. (See Fig 4)
1) Remove the battery:
i. Remove the battery tray screws.
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.

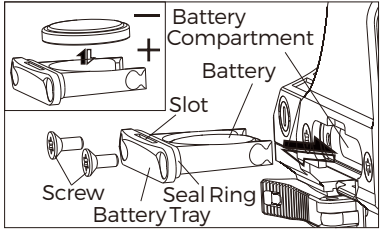


Fig 4

Caution:

1. Battery type: (CR2032).
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 seal ring 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 Firearm

1. The 510C is compatible with any firearm with a Picatinny mounting rail. If the firearm does not have a Picatinny rail, contact a qualified gunsmith.
2. Designed with our patented nonlinear cam clamping system, no tools are required for attaching to a rail. Push the locking button, lift up handle to loosen the locking bar. To mount sight on rail, push the handle down, locking button will automatically engage. The installation is complete.(see Fig 6-1)
3. Initial installation
When first installing the sight, the clamp may be too tight such that the handle cannot be locked. may be you must adjust clamp bolt for a proper fit:
1) There is one Torx socket at the end of clamp adjusting bolt on the side of the mount (See Fig 6-2). Before installation, loosen the bolt

to release clamp using the included T10 Torx tool.
2) Open the cam clamp handle. Slide the sight into rail and close the clamp handle, while still loose. Ensuring the sight is on the rail.
3) Tighten the clamp adjusting bolt using the included tool. This will tighten the clamp to the rail to moderate degree. Try to open and close the clamp handle, adjusting the clamp bolt so it is neither too tight nor too loose. Torque should be 5-10 inch / pounds.

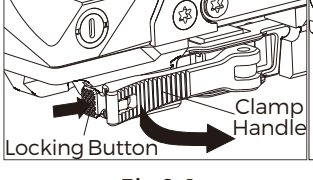


Fig 6-1

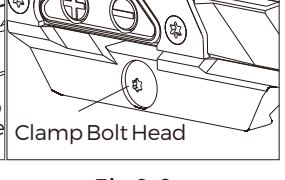


Fig 6-2

Sight Operation

1. Power ON: Press and release either brightness button ("+"or"-") to turn on the sight. (See Fig 7)
2. Power OFF: Press the"+"and"-" buttons simultaneously to power the sight off (this also turns off Shake Awake).
3. Operation Mode: Two modes are available in the following order: Auto Mode -> Manual 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 2 are NV compatible and

setting 12 is the brightest. Use "+" or "-" to increase or decrease the brightness. Press and hold the "+" button for 3 seconds to switch the sight back to auto mode. A single reticle blink confirms the change.

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 to last saved settings.
3) The default sleep timer setting is 10 min, but there 4 settings to select from.
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. Press and release the "+" or "-" button to select a sleep timer

setting. The LED will blink to show which setting is selected: 1=10 min, 2=1h, 3=12h, or 4=sleep mode disabled(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 slowly. (The warning voltage of HE510C-GR is 2.3Vdc)

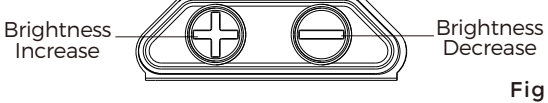


Fig 7

Zero Setting

1. This sight has been mechanically zeroed at the factory 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 0.5 MOA per click.
4. Each adjustment click has a value of approximately 0.5 MOA or 1/2 inch at 100 yards (1/4" at 50y; 1/8" at 25y). When zeroing at 50 yard, if your point of impact is 2 inches low and 1 inch right, you will need to adjust Elevation 8 clicks UP(counterclockwise) and

windage 4 clicks LEFT(clockwise).
5. The maximum adjustment range is ±50MOA 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.

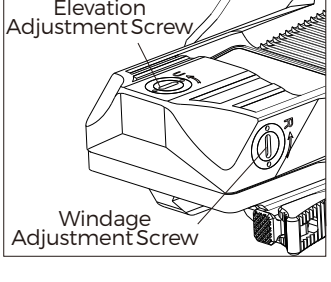


Fig 8

Included Tool: wrench (See Fig 9)
1. Flat tipped end is used to adjust the Windage & Elevation.
2. T10 Torx wrench for screws.

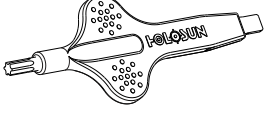


Fig 9

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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