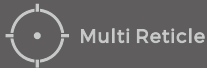
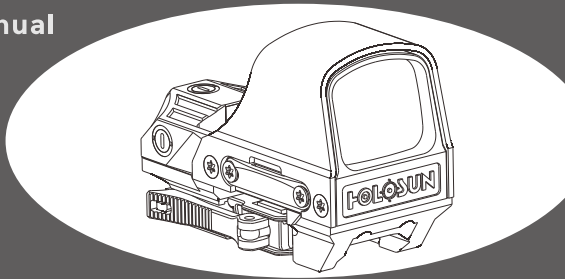


## Reflex Sight

### User's Manual



www.holosun.com

Thank you for purchasing a HS510C Reflex Sight from HOLOSUN . 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

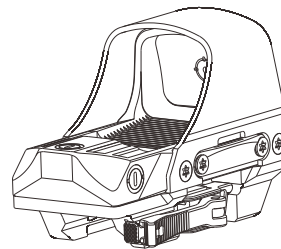
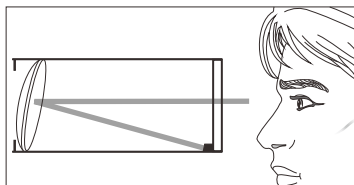


Fig1 HS510C Reflex Sight

### Objective Lens

All reflex sights have an objective lens at the front of the unit that is positioned off axis and appears to be tilted when looking at the sight. This angle of the front lens allows the light generated by the LED

projector inside the unit to be reflected back through the rear lens. The reflected light becomes the "dot" or aiming reference that the user sees when a green dot sight is switched on.



### Features

1. Aim with both Eyes open: quick target acquisition and situational awareness.
2. Advanced LED technology: Up to 20,000 hours battery life for Circle dot or 50,000 hours for dot only.
3. Advanced Super Solar Technology: allows for use even in low light conditions.
4. Parallax free.
5. Multi Reticle System : Dot, Circle & Circle Dot options.
6. Shake Awake sensor.
7. 10 DL & 2 NV Compatible Brightness settings.
8. Titanium Frame.
9. Battery tray.
10. Quick Detach Mount.
11. IP67 waterproof rating.

### Important notices

1. You must check carefully to make sure your firearm is unloaded before device installation, zeroing or changing the battery in your optic. Ensure all range and firearms safety procedures are followed at all times.
2. Don't dispose of batteries as household waste. Please use a certified electronics recycling service.

### Multiple Reticle System

The default reticle is a 2 MOA dot & 65 MOA circle. Depress the "-" button and hold it down until the reticle changes and then release the button. Repeat the process to cycle between the 3 reticle choices.

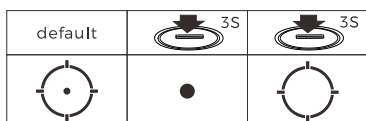


Fig 2

### 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 20,000 Hr/dot+circle, or 50,000 Hr/dot only.
- Caution: The battery is not rechargeable.

3. Battery Replacement:
  - i. Loosen screws 1,2.
  - ii. Insert the included teardrop shaped tool in the battery tray slot, pry out the tray, and remove the dead battery.
- b. Battery installation (Fig 3-2):
  - i. Insert the battery into the

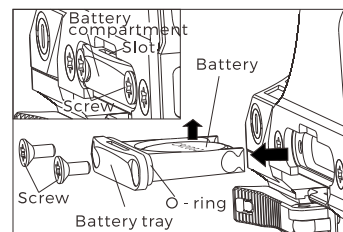


Fig 3-1

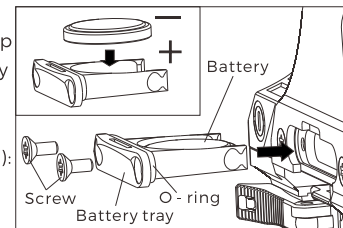


Fig 3-2

battery tray making sure the "-" side faces up and the "+" side faces down.

- ii. Insert and press the tray into the battery compartment.
- iii. Tighten screws 1,2.

Caution:

The loss or damage of the seal ring may cause water to leak into the compartment which could damage the product.

### Installation

1. The mount bracket is adaptable to standard Picatinny rails.
2. With our patented nonlinear cam clamping system, no tools are required for mounting. Push the locking button, lift up handle to

loosen the locking bar. To mount the sight on your rail, push the lever down & the locking button will automatically engage. The installation is complete. (see fig 4)

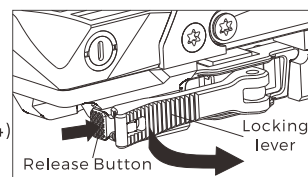


Fig 4

### 3. Initial installation

When first installing the sight, the clamp may be too tight such that the handle cannot be locked. You must adjust the 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 5) Before installation, loosen the bolt to loosen the clamp using the included Torx wrench.
2. Open the cam clamp lever. Slide the sight into rail and close the

clamp lever, ensuring the sight is on the rail.

3. Tighten the clamp adjusting bolt using the Torx wrench. 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.

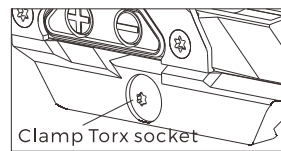


Fig 5

## Sight operation

Two operation modes are available: Auto mode and manual mode.

1. Switch on (see Fig6): Press and release either brightness button ("+" or "-") to turn on the sight.

2. Power off: Press the "+" and "-" buttons simultaneously will turn the power and motion sensor off.

3. Operation mode: Two operation modes are available Auto mode and manual mode.

1) Auto mode (default) - with solar cell and internal battery two-way power supply: Based upon the ambient lighting level, the sight will switch between battery and solar cell power automatically for operation in all lighting conditions.

Auto mode operation:

a) Under auto mode, the brightness of the reticle is automatically adjusted to match ambient lighting.

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

c) If lighting is low enough, 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.

2) Manual Mode:

a) Press down the "+" button for 3 seconds to enter into the Manual Mode.

b) Brightness adjustment: There are 12 settings for reticle brightness level under manual mode. Using "+" or "-" to increase or decrease the brightness.

c) Switching back to auto mode: A single press of the "+" button for 3 seconds will switch the sight to auto mode.

d) Holding down the "-" button for will cycle between the two reticle choices.

4. Sleep time mode:

1) Please note that your green dot will automatically enter into sleep 1) Please note that your green dot 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 detection to 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 time adjustment mode. There are 4 options: 10 min, 1h, 12h or the sleep mode is disabled.

ii. Press and release either "+" or "-" button to set the time. The LED will blink (1=10 min, 2=1h, 3=12h, or 4=disable sleep mode).

iii. Press the "+" and "-" buttons simultaneously to save the time setting and 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.

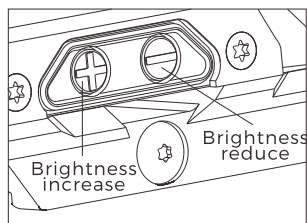


Fig 6

## Zero setting

1. The sight has been pre zeroed, but some additional adjustment may be necessary as all firearms are unique.

2. The elevation adjustment screw is at top rear end of the sight, the windage adjustment screw is on the left side of the housing.

Adjustments can be made by inserting the included wrench into the adjustment screw slots and twisting. (see Fig7).

3. To move the point of impact up or right, twist counter-clockwise. To move the point of impact down or left, twist clockwise. Each click will result in a 1/2 MOA movement.

4. The maximum adjustment range is  $\pm 40$ MOA from Center.

Caution: Don't try to over rotate the knobs, if you feel the knobs cannot be rotated further, you are at the adjustment limit.

Further adjustment may damage the sight. If the required zero range is beyond the limits, consider adding extra spacer between the device and the mount rail to expand the adjusting range limits.

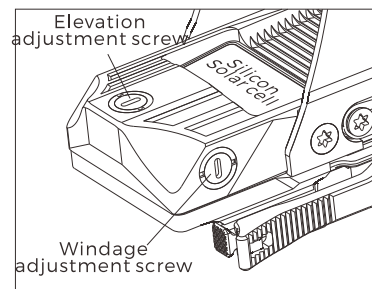


Fig 7

## Maintenance and 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 any dust on the surface, wet the included microfiber lens cloth with lens cleaner or clean water, then wipe away smudges. 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](http://www.holosun.com) documentation for current and complete warranty information and other conditions.

HS510C

Circle Dot sight

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