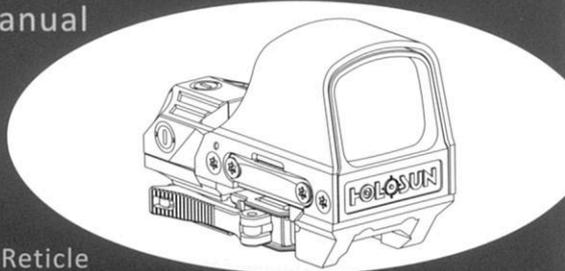


Circle Dot Sight

User's Manual

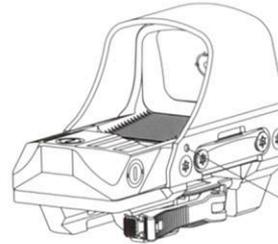


Multi Reticle

www.holosun.com

Thank you for purchasing the product from HOLOSUN the HUD HS510C Circle Dot Sight. Which is a open reflex sight with circle dot reticle. It features the rugged aluminum housing and titanium frame. It has the motion sensor and is dual powered by both solar and battery. Before operation, please read the User's Manual carefully.

Model



HUD HS510C- I



HUD HS510C- II

Fig 1 HUD HS510C Circle Dot Sight

Features

1. Both Eyes open: quick target acquisition and surrounding awareness.
2. Advanced LED technology: 20,000 hours battery life for Circle dot or 50,000 hours for dot only.
3. Dual Powered: The reticle brightness is automatically adjusted according to environment.
4. No parallax.
5. Switchable Reticle among Dot, Circle and Circle Dot.
6. Sensitive Motion sensor.
7. 10 DL & 2 NV Compatible Brightness setting.
8. Titanium Frame.
9. Holes for water outflow.
10. Battery tray.
11. Quick Datch Mount.
12. IP67 waterproof.

Important notices

1. You must check carefully and make sure for 100% to unload the bullet from your firearms before any actions taken such as device installation, beam adjusting or changing new battery. Ensure all the operation is under safe condition.
2. Always make sure to point the weapon muzzle to ground direction when you replace the battery.
3. Don't dispose the waste batteries as household waste, please properly dispose the battery to the official designated point of disposal.
4. Please keep the inner package for future maintenance mailing purpose. Other packaging material may be disposed properly.

Switchable Reticle

The default reticle is 2 MOA dot & 65 MOA circle. Hold the "-" button for 3 second to switch the reticle in Circle Dot, Dot and Circle order.

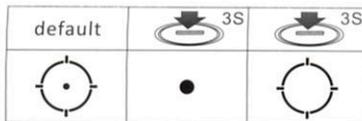


Fig 2

Battery

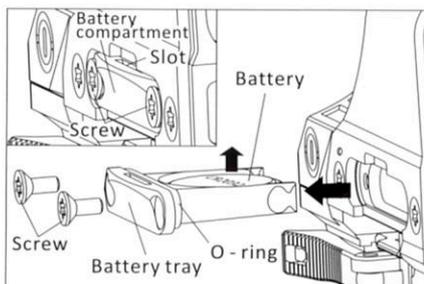


Fig 3-1

1. Operates with two-way power supply (solar cell and internal battery). one high quality CR2032 Lithium battery is included with purchase.
2. A high quality battery can power this device for up to 20000H/dot+circle, or 50000hours/dot. **Caution:** The battery is not rechargeable.
3. Battery Replacement:
 - a. Remove the battery (fig 3-1)
 - 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 battery tray making sure 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.

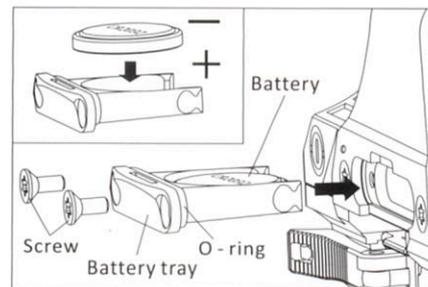


Fig 3-2

Installation

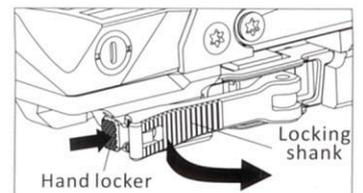


Fig 4

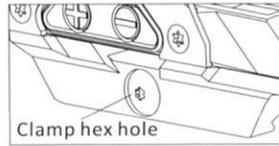
1. The mount bracket is adaptable to the arms with Picatinny or Weaver Rail, If the arms have no Picatinny rail, please contact a qualified gunsmith.
2. Designed with our patented nonlinear cam clamping system, no tools are required for attaching to a rail. Push locking button, lift up handle to loosen the locking bar. To mount sight on rail, push the handle down, locking button will automatically engage. The installation is complete. (see fig 4)

3. Initial installation

When first installing the sight, the clamp 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 5) Before installation, loosen the bolt to release clamp using included Torx wrench.
2. Open the cam clamp handle. Slide the sight into rail and close the clamp handle, while still loose.
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.

Fig 5



Sight operation

1. Switch on: 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) Sight is always in auto mode unless specifically switched to manual mode.
 - b) While in auto mode, the brightness of the reticle is automatically adjusted to match ambient lighting. The brighter it is, the higher the dot intensity.
 - 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. The default brightness is at 7 when the device is switched to this mode. The brightness can be adjusted as required by pressing the "+" or "-" to increase or decrease the brightness level, one press for one change in brightness level.
 - 3) Switching back to auto mode: A single press of the "+" button for 3 seconds will switch the sight to auto mode.
 4. Sleep time mode:
 - 1) Please note that your red 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.
 5. Special operation:
 - 1) Solar cell power: If the battery voltage is below 2.2Vdc, please take it out. The sight can still work under a certain lighting environment.
 - 2) Turn on/off the circle reticle When the battery voltage is low or only solar cell power, the circle reticle can be enabled or disabled as required by pressing the "-" button for 3 seconds.

6. Note:

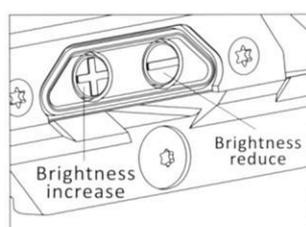


Fig 6

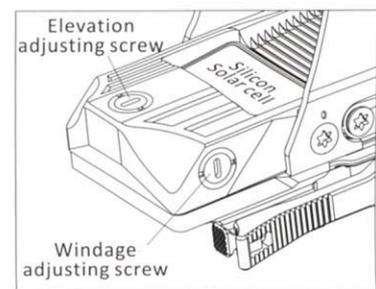
- 1) Memory function: The sight will remember the last saved brightness setting when powered on and off.
- 2) Low battery Warning: If the battery voltage is below 2.2Vdc, the reticle will blink slowly.

Zero setting

1. The sight has been primarily adjusted based on the reference mounting rail in factory.
2. The elevation adjusting screw is at top of the rear end top of the sight, the windage adjusting screw is at the left side of the housing. The adjustment can be carried on with the wrench inserting into the screw holes (see Fig7).
3. After primary adjusting the red dot overlap on the target point, left turning (anti-clockwise) the adjusting screws to depart the aiming point from the target mark a little bit, and then right turning (clockwise) the adjusting screw to make the target mark overlap on the aiming point to complete the zero setting.
4. The maxima adjustment range is ± 40 MOA.

Caution: Don't try to rotate the knobs, if you feel the knobs cannot be rotated which proves the adjustment limits. Otherwise the device may be damaged. If the adjusting range is beyond the limits, consider to add extra spacer between the device and 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 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 <http://holosun.com/documentation> / for current and complete warranty information and other conditions.

HUD HS510C
Circle Dot sight



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