Reflex Sight
User’s Manual

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.
7. 10 DL & 2 NV Compatible Brightness settings.
8. Titanium Frame.
10. Quick Detach Mount.
11. IP67 waterproof rating.

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:
   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 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.

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. Do not 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.

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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)

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.

![Clamp Torx socket](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.
- 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.
- 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 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.

![Brightness increase](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 ±5MOA 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 adjustment range
   limits.

![Elevation adjustment screw](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 multi-coated 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 documentation for current and complete
warranty information and other conditions.

**HS510C**

**Circle Dot sight**

![Brightenss reduce](Fig 6)