

HE503CU-GR Mirco Sight User's Manual



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HE503CU-GR

HE503CU-GR: New small compact is a mirco sight with the option of dot only or dot with circle reticle pattern. Employing new LED technology, the life time for one CR2032 battery can be up to 50,000 hours. The device operates by solar power (silicon solar cell). The sight may be installed on various firearms such as shotguns, pistols, rifles, air rifles and crossbows.

Important Notices

1. Ensure that the firearm is completely unloaded and safe before device installation, sighting in, or installing a new Battery.
2. Please keep the packaging should you need to make a warranty claim.

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Thank you for purchasing the HE503CU-GR Mirco Sight, which is a monocular inner circle dot sight, please read the User's Manual carefully.

Model

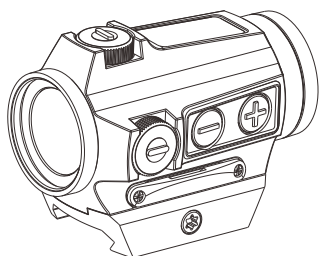


Fig1 HE503CU-GR Mirco Sight

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Objective Lens

All mirco 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.

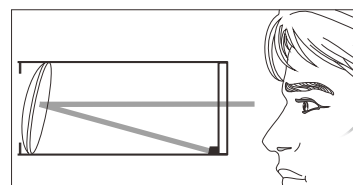


Fig2

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Features

- 1) Advanced LED technology: Up to 50,000 hours.
- 2) 2 Reticle Options: 65MOA circle and 2MOA dot; 2MOA dot only.
- 3) Shake Awake™ - Motion on with last setting recall.
- 4) Parallax free, unlimited eye relief.
- 5) 12 Brightness Settings: 10DL & 2NV.
- 6) Dual power supply design: battery and solar power supply.
- 7) With H/L riser mounts.
- 8) Calibration screw embedded protection.
- 9) Waterproof: Ip67.
- 10) Battery tray.

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Multi Reticle



The reticle for this sight is a central 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).

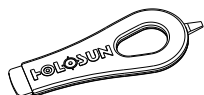
While in manual mode, the circle reticle can be enabled or disabled as required by pressing the "-" button for 3 seconds. When the 65 MOA circle is turned off and the sight is switched to automatic mode, the 65MOA circle will return automatically in bright light.

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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:

- 1) Remove the battery (Fig 3-1):



- a) Loosen screw 1,2.
- b) Insert the included teardrop shaped tool in the battery tray slot, pry.

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- 2) Battery installation (Fig3-2):

 - a) Insert the battery into the battery tray making sure the "+" side faces down.
 - b) Insert and press the tray

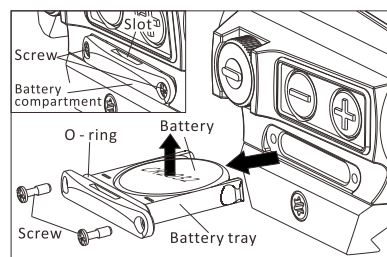


Fig3-1

- c) Tighten screw 1,2.

Caution:

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

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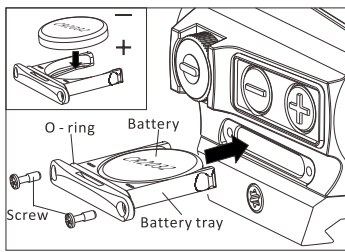


Fig3-2

Installation on the Firearm

1. The mount bracket is adaptable to the arms with Picatinny Rail. If the arms have no Picatinny rail, or with other types of rail, Please make extra remarks in your purchase order.

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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) There are 8 settings from 3-10 under auto modes which have same brightness of manual modes. Press "+" or "-" to adjust the brightness and you are at setting X, the brightness will vary from X to 12 according to ambient lighting.

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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.

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2. The Convex platform on the protective cap can be used for zeroing alignment(see Fig6).

3.First open the protective lid, position slot type screwdriver on the slotted screw, then rotate the screw to right or left for adjustment. Each left or right click is for one shift moving equivalent to 0.5 MOA value.

4. Right turning the elevation knob will moving the green dot up, left turning will lower the green dot. Similar for the windage adjusting, right turning will move the green dot to right, left turning will move it to left.

5. 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

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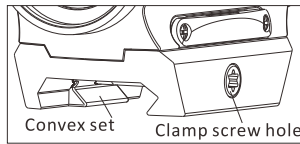


Fig 4

2. Firstly insert the Allen wrench into the clamp screw hole, then rotate to loosen the convex set, slid the sight into the weapon rail to a right position, and finally fasten the clamp screw.(Fig4)

Sight operation

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

1. Switch on (see Fig5): 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.

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

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.

4. Sleep time mode:

1) Please note that your green dot will automatically enter into sleep

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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.

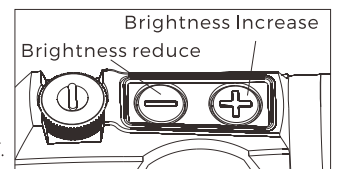


Fig 5

Zero setting

1. On top of sight is the elevation adjusting knob, windage adjusting knob is on the right side (see Fig6). The sight has been primarily adjusted in factory.

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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.

Note:

1)Direction adjusting marks are inside the protective cap.

2)The adjusting screw under the protective cap is waterproof.

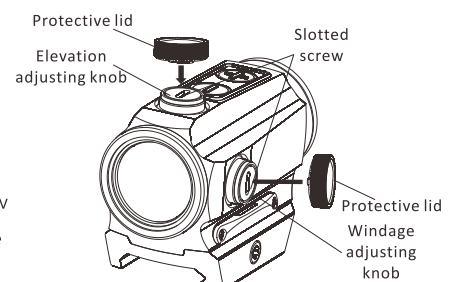


Fig 6

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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.

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HE503CU-GR Mirco Sight

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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 holosun.com for current and complete warranty information and other conditions.

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