

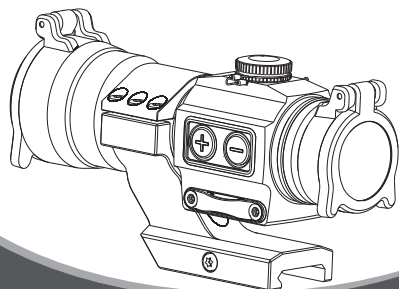
# TUBE

## HS406A1

# HOLOSUN

## Red Dot Sight

### User's Manual



www.holosun.com

Thank you for purchasing this product from HOLOSUN, the TUBE HS406A1 is a monocular red dot sight. Please read the User's Manual carefully before operation.

### Features

1. **Covert aiming:** When aiming, the red dot is projected within the sight so no light can be detected by the target. Unlike a laser sight that appears as a dot that can be seen on and by the target.
2. **Full field of view for target acquisition:** The user can gain rapid target acquisition and situational awareness while aiming with both eyes open.
3. **Low power consumption:** Only a few micro-amperes of current are required for sight operation. Sight runs on one battery for up to 30,000 hours. When battery replacement is required, the battery compartment access through the battery tray.
4. **Motion power on:** The sensitive motion sensor will turn the power on with any motion detection.
5. **Parallax free optical system:** Parallax is  $\leq \pm 1\text{MOA}$ .

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6. **Sleep time delay:** The sight will be automatically entered into sleep mode after not being used for 8 hours.
7. **Brightness adjustment:** There are 12 settings (10 Daylight+2NV) for the reticle as to match the ambient lighting conditions.
8. **Memory function:** The sight will remember the last saved brightness setting when powered on and off.
9. **Two top mounted buttons:** The top mounted buttons allow for easy operation without obstructing the user's vision.
10. **Mounting bracket:** Compatible with Picatinny rail.
11. **Waterproof:** IP67

### LAYOUT

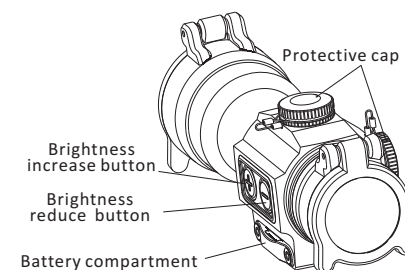


Fig1 TUBE HS406A1

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### Important notices

1. Ensure that the firearm is completely unloaded and safe before device installation, sighting in, installing a new battery, or any other adjustment.
2. Always ensure that the muzzle of the firearm is pointed in a safe direction when replacing the battery.
3. Please keep the packaging should you need to make a warranty claim.

### Battery

1. The operating voltage for this device is DC3V using one high quality CR2032 Lithium battery included with purchase.
2. The high quality battery can power the device for up to 30,000 hours. Caution: The battery is not rechargeable.
3. Battery replacement:

- 1) Removing the battery (Fig 2-1):

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- a) Loosen screws 1, 2.
- b) Insert coin or similar object in the battery tray slot, pry out the battery tray, and remove the discharged battery by lifting it up. A tool is provided.

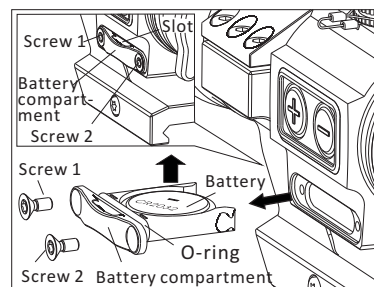


Fig2-1

- 2) Battery installation (Fig2-2):

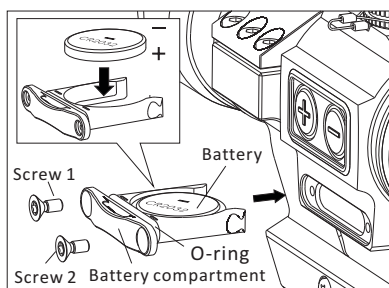


Fig2-2

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- a) Insert the battery into the battery tray by pushing it down with the correctly marked polarities, "+" and "-".
- b) Insert and press the tray into the battery compartment.
- c) Tighten screws 1, 2.

### Caution:

The loss or damage of O-ring will cause water leaking into the battery compartment and may damage electronic circuits and the device.

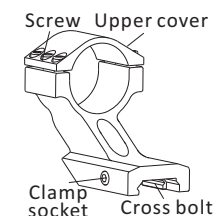


Fig3 Mount bracket

### Installation

1. The mounting bracket (Fig 3) is for attaching the sight to the weapon. The sight comes with mounting bracket attached.
2. Attaching bracket to the sight:
  - 1) Remove the 6 screws with the hex wrench and remove the upper cover.
  - 2) Mount the sight on the bracket and follow the orientation and position which are shown in Fig 4.
  - 3) Attach the upper cover and evenly tighten the 6 screws. Use thread locker if available.
3. Mounting the bracket to the weapon:
  - 1) The mounting bracket is adaptable to any firearm with a Picatinny Rail. If the firearm has no Picatinny rail, or

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compatible rail, please contact a qualified gunsmith.

- 2) Insert included Torx wrench into the clamp socket, then rotate to loosen the cross bolt (as shown in Fig 3). Slide the sight into the weapon rail to an appropriate position, and finally tighten the clamp screw.

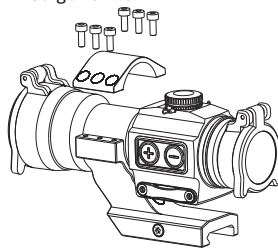


Fig 4

## Sight operation

The operating panel is on the top of sight. (see Fig 5)

### 1. Operation

- 1) Switch on: Press and release either brightness button ("+" or "-") to turn on the sight.
- 2) Brightness adjustment: There are 12 brightness settings. The default brightness is on the 7th level. Press the "-" or "+" button until the red dot has a sufficient intensity to contrast against the target. One quick press and release changes brightness.
- 3) Power off: Press the "+" and "-" buttons simultaneously will turn the power and motion sensor off.

**Note:** The sight will remember the last saved brightness setting

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adjustment limit, otherwise the device may be damaged. If the required adjusting range is beyond the limits, consider adding an extra spacer between the device and mounting rail to allow for additional adjustment.

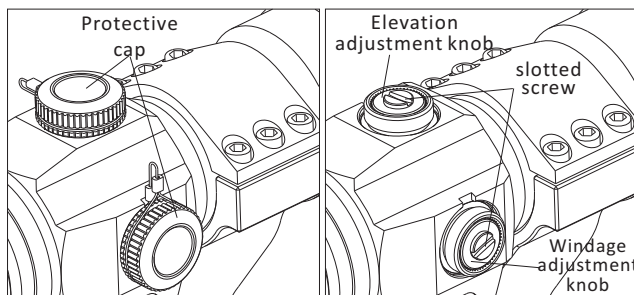


Fig 6

## Maintenance and care

This device is a precision instrument that deserves reasonably cautious care. The following tips are provided to ensure long lasting use of the sight.

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when powered on and off.

### 2. Motion sensor

- 1) The motion sensor is always enabled when the sight is on or in sleep mode.
- 2) If no motion is detected for 10 min, the sight will save the current brightness and then turn off the dot. Any motion will turn on the dot to the last saved setting.

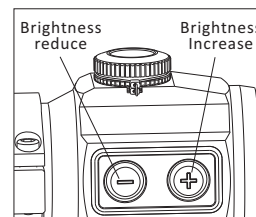


Fig 5

### 3. Auto sleep mode

The default sleep timer setting is 10 min, but can be adjusted

- 1) 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.
- 2) 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).
- 3) Press the "+" and "-" buttons simultaneously to save the time setting and power off the sight.

### 4. Low battery Warning

If the battery voltage drops below 2.2Vdc, the dot will cycle on for 3 seconds and off for 0.3 seconds.

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The optical system, including the objective lens and eyepiece lens are multi-coated optical glass. When cleaning the lenses, blow away the dust on surface, wet the lens with lens cleaner or clean water, wiping the fingerprint or other oils with lens tissue, soft cotton or microfiber cloth. No special maintenance is needed for the housing surface. Avoid touching the glass surface with dry cloth or tissue paper. Do not use organic solvents such as alcohol or acetone. 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.

If repair is needed, you can call our customer service center, visit our website, or send an email to us.

## Limited warranty

### SUMMARY

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 product found to be defective

## Zero setting

1. On top of sight is the elevation adjusting knob, windage adjusting knob is on the right side (see Fig 6). The sight has been adjusted for approximate zero in factory.
2. The built in screw driver tool on the protective cap can be used for zeroing adjustment (see Fig 6). See label inside cap.
3. First open the protective cap (see Fig 6), 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 adjustment equivalent to 0.5MOA value.
4. Adjust the Elevation turret counterclockwise to move the point of impact UP. Adjust the Windage turret counterclockwise to move the point of impact to the RIGHT. Turning either turret clockwise moves the point of impact in the opposite direction.
5. Caution:

Don't try to over rotate the knobs. If you feel the knobs cannot be rotated, this indicates you have reached the

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under normal use and service 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://www.holosun.com> for current and complete warranty information.

TUBE HS406A1  
Red Dot sight



**HOLOSUN**  
Holosun Technologies Inc.  
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## Customer Service

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