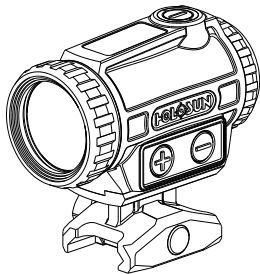


# ARO-EVO

**HOLOSUN®**



## User Manual

## Product Overview

Thank you for purchasing the HOLOSUN ARO (Advanced Rifle Optic) EVOLved reflex sight.

The ARO-EVO features a completely new 26mm housing design, seamlessly compatible with our magnifier series. It includes two mounting options: a redesigned 1.63" lower 1/3 co-witness pedestal mount and a low-profile mount. Available in Red, Green, or Gold, the ARO-EVO offers a choice between our Special Purpose Reticle or a 2MOA dot. In Auto Mode, the ARO-EVO's forward-facing photodiodes automatically adjust the reticle brightness based on ambient lighting conditions.

The sight may be installed on various firearms such as shotguns, pistols, rifles, air rifles and crossbows. Before operation, please read the User's Manual carefully.

## Model

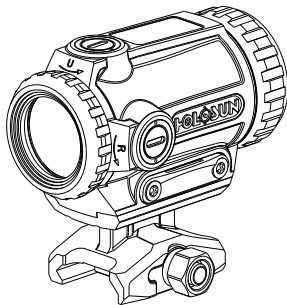


Fig1 ARO-EVO Reflex Sight

## Important Notices

1. Ensure the firearm is unloaded and cleared by removing all ammunition and magazines from firearm and verifying an empty chamber before installation or battery replacement. **DO NOT ATTEMPT TO INSTALL THIS SIGHT KIT ON A LOADED FIREARM.**
2. Improper installation of firearm parts or accessories may result in death or serious personal injury. If you are not properly trained in the installation of these parts, have them installed by a gunsmith or armorer.
3. Please keep the packaging should you need to make a warranty claim.

## **WARNING**

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**.
- **Seek Immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



## Objective Lens

All reflex sights have an objective (front) lens that is positioned off axis and appears to be tilted when looking at the sight. This angle of the objective lens allows the light generated by the LED inside the unit to be reflected creating the aiming point. The reflected light becomes the "dot" or aiming reference that the user sees. (See Fig 2)

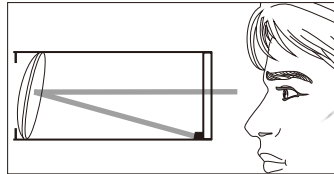


Fig 2

## Features

1. Advanced LED technology: Up to 50,000 hours of battery life
2. Reticle Options: Special Purpose Reticle (SPR) or 2 MOA dot.
3. Shake Awake™ - Motion activation with last setting recall.
4. Comes with a 1.63" (lower 1/3 co-witness) pedestal mount and low mount.
5. Aluminum Body.
6. 8 day light and 4 night vision compatible brightness settings.
7. Window Size: 0.89inches.
8. Waterproof: IPX8.

## Special Purpose Reticle

ARO-EVO-SPR is available with our new Special Purpose Reticle (SPR) which is a bullet-drop compensating and ranging reticle that balances the performance of a red dot with accuracy at intermediate distances. (See Fig 3)

The size of the center dot is 1.5 MOA. The size of bullet drop compensation (BDC) dots is 1 MOA and reference point-of-impact M193 bullets at 300, 400, and 500 yards respectively. The horizontal ranging lines represent an 18 inch wide target at the corresponding distance. The outer circle is 65 MOA. The SPR is best used with a magnifier.

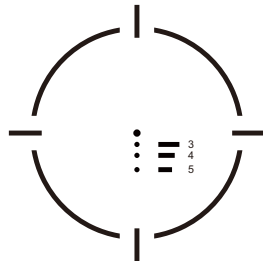


Fig 3

Hold the "-" button for 3 seconds to switch between the four reticle options. The reticle options will cycle in the order shown in Figure 4)








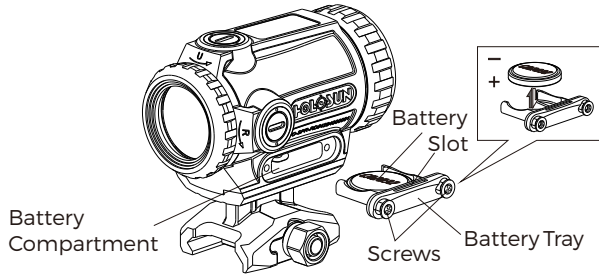
Default	 3S	 3S	 3S
			

Fig 4

## Battery

1. The operation voltage for this device is DC3V using one high quality CR2032 Lithium battery included with purchase.
2. Battery replacement. (See Fig 4)
  - 1) Remove the battery:
    - i. Use the included T10 Torx tool to loosen the battery tray screws.
    - ii. Use the included tool as a lever in the top battery tray slot to remove the battery tray and battery.
  - 2) Battery installation:
    - i. Insert the battery into the battery tray with the POSITIVE side facing DOWN.
    - ii. Insert and press the tray into the battery compartment.

- iii. Tighten the battery tray screw to 5 inch/lbs. Add medium, non-permanent thread locker if the battery tray screw has been removed more than once.



**Fig 4**

**Caution:**

1. Battery type (CR2032).
2. Battery chemistry (lithium).
3. Nominal voltage: (3V).
4. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
5. Even used batteries may cause severe injury or death.
6. Call a local poison control center for treatment information.
7. Non-rechargeable batteries are not to be recharged.
8. Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate.

Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

9. Ensure the batteries are installed correctly according to polarity (+ and -).
10. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
11. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
12. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

13. The loss or damage of the battery tray gasket may cause water to leak into the battery compartment which could damage the product.

**Note:** The product includes a “Warning: contains coin battery” icon (See Fig 5), please do not remove it.



Fig 5

## Product Installation

1. Use the included 11mm tool to loosen the clamp screw by rotating counterclockwise. (See Fig 6)
2. Move the clamping block to a position sufficient to connect the mount to a Picatinny rail.
3. Apply forward pressure to the ARO and tighten the mounting clamp screw to 30INCH/lbs.

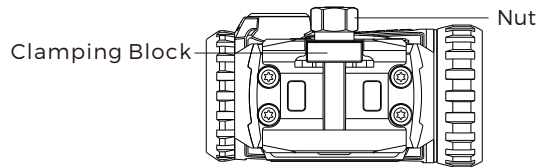


Fig 6

## Sight Operation

1. **Power ON:** Momentarily press either brightness button ("+" or "-") to turn on the sight. (See Fig 7)
2. **Power OFF:** Press the "+" and "-" buttons simultaneously to power the sight and motion sensor off (this also turns off Shake Awake).
3. **Operation Mode:** Two modes are available in the following order: Auto Mode -> Manual Mode.
  - 1) Auto mode (default) - Powered by both the solar cell and internal battery: Based upon ambient lighting levels, the sight will switch between battery and solar cell power automatically for operation in all lighting conditions.
    - i. In Auto Mode, the brightness of the reticle is automatically adjusted to match ambient lighting.



- ii. The battery will compensate for power if the solar cell cannot drive the reticle alone.
- iii. RED: If lighting is low, 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.
- iv. GREEN/GOLD: If lighting is low, the sight will automatically switch to the battery. There are 8 daylight settings from 3-10 which match the same settings of Manual Mode. In Auto Mode, press "+" or "-" to adjust the intensity which sets the optic to setting X. The intensity will vary from X to 12 based on forward lighting. Reticle intensity will increase from setting X, not decrease, based on ambient lighting conditions.

## 2) Manual Mode:

- i. Hold the "+" button for 3 seconds to enter into manual mode. A single reticle blink confirms the change.
- ii. Brightness adjustment: There are 12 settings for reticle brightness levels in manual mode. Settings 1 to 2 are NV compatible and setting 12 is the brightest. Use "+" or "-" to increase or decrease the brightness. Press and hold the "+" button for 3 seconds to switch the sight back to auto mode. A single reticle blink confirms the change.

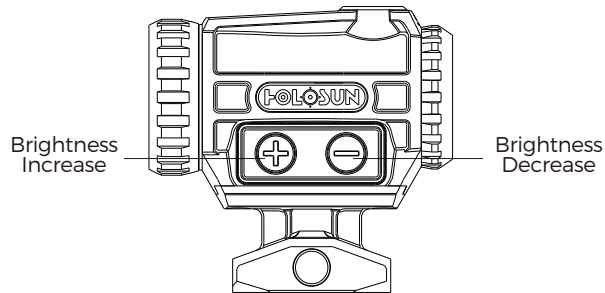
## 4. Sleep Time Setting:

- 1) Please note that your reticle 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 detected, returning to the 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 sleep time adjustment mode. There are 4 options: 10 min, 1h, 12h or the sleep mode is disabled.
- ii. Momentarily press either "+" or "-" button to set the time. The LED will blink as follows: 1=10 min, 2=1h, 3=12h, or 4=disable sleep mode (Shake Awake is disabled).
- iii. Press the "+" and "-" buttons simultaneously to save the sleep timer setting, this will 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. (The warning voltage of ARO-EVO-GR2/GD2 and ARO-EVO-SPR-GR/GD are 2.3Vdc )



**Fig 7**

## Zero Setting

1. This sight has been factory adjusted to an approximate 25 yard zero and should require minimal adjustment to achieve zero.
2. The Elevation adjustment is located on the top section of the housing and the Windage adjustment is located on the right side of the housing. Adjustment can be performed by inserting the flat-tipped end of the included tool into the turret slot and rotating. (See Fig 8)
3. Windage and Elevation adjustments are approximately 0.5 MOA per click.
4. Each adjustment click has a value of approximately 0.5MOA or 1/2 inch at 100 yards (1/4" at 50y; 1/8" at 25y). When zeroing at 50 yards, if your impacts are 2 inches low and 1 inch right, you will

need to adjust elevation 8 clicks UP (counterclockwise) and windage 4 clicks LEFT (clockwise).

5. The maximum adjustment range is  $\pm 50$ MOA from center.

**Caution:** If you feel the windage or elevation adjustments can no longer be rotated, you may have reached the mechanical limit of the adjustment turret. Do not try to rotate the knobs further if you feel a bind or you may cause damage. If you exceed the adjustment range, please contact your gunsmith or Holosun for assistance.

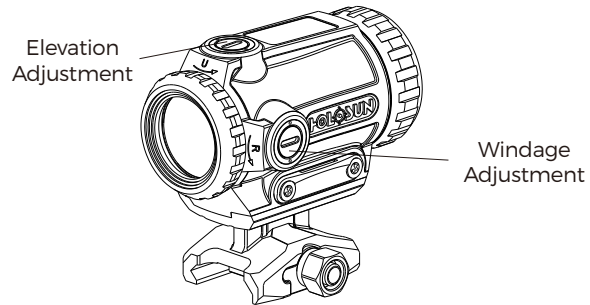


Fig 8

## Included Tool

1. T10 Torx tool with flat driver to adjust windage & elevation. (See Figure 9)
2. 11mm Wrench.

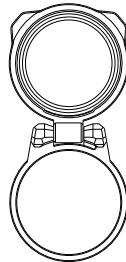


Fig 9

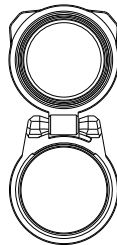
## Configuration

CONFIGURATION	Reticle	LED Color	Housing Color
ARO-EVO-RD2	2 MOA Dot	Red	Black
ARO-EVO-GR2	2 MOA Dot	Green	Black
ARO-EVO-GD2	2 MOA Dot	Gold	Black
ARO-EVO-SPR-RD	SPR	Red	Black
ARO-EVP-SPR-GR	SPR	Green	Black
ARO-EVO-SPR-GD	SPR	Gold	Black

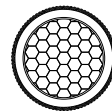
Front and rear flip-caps and an anti-reflection attachment are available separately for ARO-EVO. For details, please visit [holosun.com](http://holosun.com).



Front Lens Flip Cap



Rear Lens Flip Cap



Anti-reflection Device

## Package Contents

The package should contain the following items:

1. ARO-EVO sight
2. A low profile mount
3. HOLOSUN card
4. Battery compartment assembly
5. User manual
6. Cleaning cloth
7. Desiccant
8. T10 Torx tool
9. 11mm wrench

## 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.

## 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) for current and complete warranty information and other conditions.

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