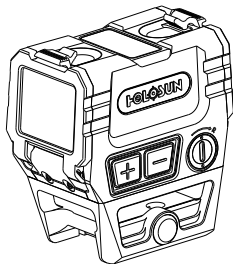


AEMS-PRO-X2

HOLOSUN®



User Manual

Product Overview

Thank you for purchasing the AEMS-PRO-X2-RD/GR/GD Reflex Sight from HOLOSUN.

AEMS-PRO-X2 features a new, forward facing light sensor for improved auto-mode reticle intensity adjustment and an updated optical system resulting in reduced parallax. AEMS-PRO-X2 also includes an all-new 1.63" lower 1/3 co-witness pedestal mount. AEMS-PRO-X2 is available with our Multi-Reticle System™ (MRS) in Red, Green, or Gold.

In Auto Mode, the AEMS-PRO's front-mounted photodiodes dynamically adjusts 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



Circle Dot

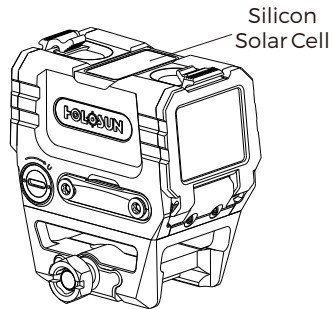


Fig1 AEMS-PRO Reflex Sight

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)

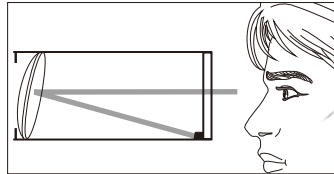


Fig 2

Features

1. Advanced LED technology: Up to 50,000 hours of battery life
2. Multi Reticle System(MRS): 2MOA dot only, 65MOA circle only, or circle-dot options.
3. Shake Awake™ - Motion activated with last setting recall.
4. Top-mounted solar cell and front-mounted photodiode work together to regulate reticle brightness.
5. Window Size: 0.87 x 1.1 (inches).
6. 1.63" center dot height (lower 1/3 Co-witness).
7. Flip Down Protective Lens Covers.
8. Brightness Settings: 8 Daylight & 4 NV.
9. IPX8 Certified Waterproof.

Multi-Reticle System

The reticle for this sight is a 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). Hold the "-" button for 3 seconds to switch between the three reticles (Dot with Circle, Dot only, Circle only) in that order. (See Fig 3)

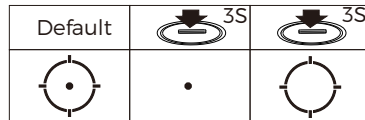


Fig 3

Battery

1. One high quality CR2032 Lithium battery is included with your 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 screws.

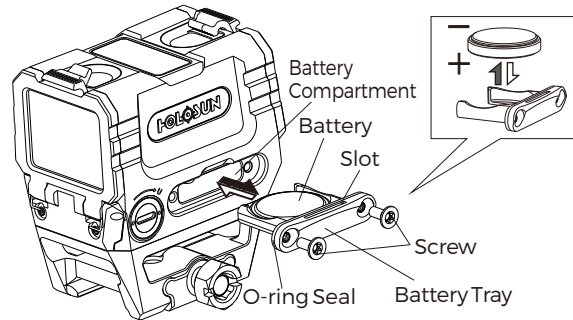


Fig 4

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 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 seal ring may cause water to leak into the battery compartment which could damage the product.

Note: The product include "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 nut by rotating counterclockwise. (See Fig 6)
2. Move the clamping block to a position sufficient to connect the mount to a Picatinny rail.

Apply forward pressure to the AEMS and then tighten the 11mm mounting nut to 50-65 INCH/lbs.

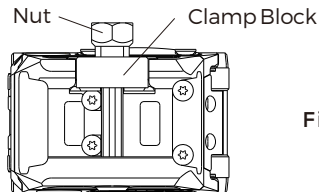


Fig 6

Sight Operation

1. **Switch ON:** Momentarily press either button ("+" or "-") to turn on the sight. (See Fig 7)
2. **Power OFF:** Press the "+" and "-" buttons simultaneously to power the sight off (this also turns off Shake Awake).
3. **Operation Mode:** Two operation modes are available by holding the "+" button for three seconds: Auto Mode -> Manual Mode.
 - 1) Auto mode- Powered by both 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 4 are NV compatible and setting 12 is the brightest. Use "+" or "-" to increase or decrease the brightness.

iii. 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 once every two seconds. (The warning voltage of AEMS-PRO-X2-GR/GD is 2.3Vdc)

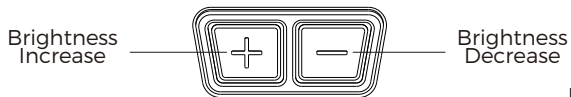


Fig 7

Zero Setting

1. The sight has been mechanically zeroed at the factory.
2. The elevation adjustment is located on the right side of the housing and the windage adjustment is located on the left side of the housing. Windage and Elevation adjustments can be made using the included tool. (see Fig 8).
3. Windage and Elevation adjustments are approximately 0.5MOA per click.
4. Each adjustment click has a value of approximately 0.5 MOA or 1/2 inch at 100 yards (1/4" at 50y; 1/8" at 25y). When zeroing at 50 yards, if your point of impact is 2 inches low and 1 inch right, you will need to adjust Elevation 8 clicks UP(clockwise) and windage 4 clicks RIGHT (counterclockwise).
5. The maximum adjustment range is ± 50 MOA from center.

Caution: If you feel the knobs 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.

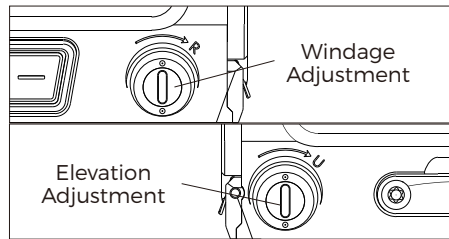


Fig 8

Lens Cover

1. As shown in Figure 9, the AEMS includes transparent front and rear lens covers. Use of the AEMS is not affected when the lens covers are closed.
2. To open the lens covers, lift the latch and the cover will spring open.

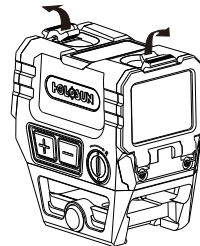


Fig 9

3. Front lens cover replacement.

1) Use the included T6 Torx tool to loosen and remove the screws.

(See Fig.10)

2) Remove the transparent front lens cover, be careful not to lose the springs. Transfer the springs to the designated slots on the anti-reflection-equipped front lens cover(as shown in Fig.11). Align and install the replacement cover, then securely tighten the screws.

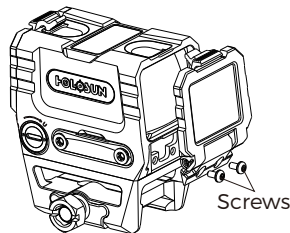


Fig 10

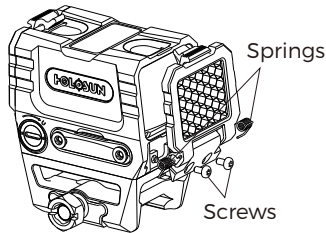


Fig 11

Included Tool

1. The T10 Torx tool is used for the battery tray screws, and its flat driver is used for Windage and Elevation adjustment.

2. The 11mm Wrench is used for product installation.

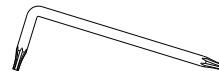
3. The T6 Torx tool is used for replacing the front lens cover.



T10 Torx Tool



11mm Wrench



T6 Torx tool

Fig 12

Package Contents

The AEMS-PRO-X2 includes the following items:

1. AEMS-PRO-X2 sight
2. Battery compartment assembly
3. Anti-reflection-equipped front lens cover
4. HOLOSUN registration card
5. User manual
6. Cleaning cloth
7. Desiccant
8. T10 Torx tool
9. 11mm wrench
10. T6 Torx tool

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 for current and complete warranty information and other conditions.

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