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› HOLOSUN HS510C-FDE-R Red Multi Reticle, Open Reflex Sight, Solar, Shake Awake User Manual

HOLOSUN HS510CFDE

HOLOSUN HS510C-FDE-R Open Reflex Sight User Manual

Model: HS510CFDE | Brand: HOLOSUN

1. PRODUCT OVERVIEW

The HOLOSUN HS510C-FDE-R Open Reflex Sight is designed for rapid target acquisition and versatile use across various platforms. It features a durable FDE (Flat Dark Earth) housing and a red multi-reticle system, offering exceptional clarity and performance. This sight is powered by a CR2032 battery, complemented by Holosun's innovative Solar Failsafe technology for extended battery life.



Figure 1.1: Front view of the HOLOSUN HS510C-FDE-R Open Reflex Sight, showcasing its robust design and FDE finish.

Key Features:

- **Multi-Reticle System:** Easily switch between a 65 MOA circle with a 2 MOA dot, a 2 MOA dot only, or a 65 MOA ring only.
- **Solar Failsafe:** Utilizes a solar cell for primary power and a CR2032 battery for backup, ensuring continuous operation.
- **Shake Awake Technology:** Automatically powers off when stationary and powers on with motion, conserving battery life.
- **Parallax-Free & Unlimited Eye Relief:** Provides a clear sight picture from any angle.
- **Durable Construction:** Built with 6061 Aluminum for resilience in various conditions.
- **Quick Disconnect Mount:** Allows for easy attachment and removal from Picatinny rails.

2. SETUP AND INSTALLATION

2.1 Mounting the Sight

The HS510C-FDE-R comes with an integrated Picatinny mount for secure attachment to compatible firearms. Ensure the firearm is unloaded and safe before proceeding with installation.

1. Loosen the quick disconnect lever on the mount.
2. Position the sight on the Picatinny rail in your desired location.
3. Close the quick disconnect lever firmly until it locks into place. Ensure the sight is securely attached and does not wobble.



Figure 2.1: Side view of the sight, illustrating the quick disconnect mount for Picatinny rails.

2.2 Battery Installation

The HS510C-FDE-R uses a CR2032 battery as a backup power source to the solar panel. The battery compartment is located on the side of the sight.

1. Unscrew the battery tray cover using a small coin or flat-head screwdriver.
2. Insert one CR2032 battery with the positive (+) side facing up.
3. Replace the battery tray cover and tighten it securely to ensure water resistance.



Figure 2.2: Top view of the sight, highlighting the solar panel for primary power.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Brightness Adjustment

- **Power On:** Press either the '+' or '-' button to turn on the sight.
- **Power Off:** Press both '+' and '-' buttons simultaneously for 3 seconds.
- **Brightness Adjustment:** Use the '+' button to increase brightness and the '-' button to decrease brightness. The sight has multiple brightness settings, including night vision compatible levels.

- **Shake Awake:** The sight features Shake Awake technology. If no motion is detected for a set period (default 10 minutes, adjustable), the reticle will turn off. Any motion will instantly reactivate the reticle to the last used brightness setting.

3.2 Reticle Selection

The HS510C-FDE-R features a Multi-Reticle System (MRS) allowing you to choose your preferred reticle pattern.

- Press and hold the '-' button for 3 seconds to cycle through the available reticle options: 2 MOA Dot, 65 MOA Circle with 2 MOA Dot, and 65 MOA Circle only.



Figure 3.1: Example of the red reticle display within the sight, showing the 65 MOA circle with 2 MOA dot.

3.3 Windage and Elevation Adjustment

Adjustments for windage and elevation are made using the turrets located on the top and side of the sight. Each click adjusts the point of impact by 0.5 MOA.

1. Remove the protective caps from the windage and elevation adjustment turrets.
2. Use a small flat-head screwdriver or the rim of a cartridge to turn the turrets.
3. Turn the **UP** arrow for elevation adjustment to move the point of impact up, and **DOWN** to move it down.
4. Turn the **R** arrow for windage adjustment to move the point of impact right, and **L** to move it left.
5. Replace the protective caps after zeroing.



Figure 3.2: Rear view of the sight, indicating the location of the windage and elevation adjustment turrets.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your HOLOSUN HS510C-FDE-R sight.

- **Cleaning Lenses:** Use a soft, lint-free cloth and lens cleaning solution to gently wipe the optical surfaces. Avoid using abrasive materials or excessive force.
- **Cleaning Housing:** Wipe the sight's housing with a damp cloth to remove dirt and debris. Do not use harsh chemicals.
- **Battery Replacement:** While the Solar Failsafe extends battery life significantly, replace the CR2032 battery annually or if the reticle appears dim in low light conditions without sufficient ambient light.
- **Storage:** Store the sight in a cool, dry place away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Reticle is dim or not visible	Low battery or insufficient ambient light for solar cell.	Increase brightness using '+' button. Replace CR2032 battery. Ensure solar panel is exposed to light.
Reticle flickers	Loose battery or low battery.	Ensure battery tray is securely tightened. Replace battery.
Sight does not turn on	Dead battery or unit in sleep mode.	Press '+' or '-' button to activate Shake Awake. Replace CR2032 battery.
Point of impact shifts	Mount not secure or improper zeroing.	Check mount for tightness. Re-zero the sight.

6. SPECIFICATIONS

Feature	Detail
Model Name	Holosun HS510CFDE: Fde Housing, Red Multi-Reticle, 6061 Aluminum, Open, Solar, Shake Awake, Rifle
Reticle Type	2 MOA dot with 65 MOA circle (switchable)
Color	Red (Reticle) / FDE (Housing)
Power Source	CR2032 Battery & Solar Failsafe
Battery Life	Up to 50,000 hours (dot only)
Material	6061 Aluminum (Housing) / Polycarbonate (Lens)
Item Weight	4.94 Ounces
Dimensions (LxWxH)	3.3 x 1.68 x 1.78 inches
Mounting Type	Picatinny Mount
Magnification	1x
Objective Lens Diameter	1.26 Inches
UPC	605930624991

7. WARRANTY AND SUPPORT

HOLOSUN products are known for their durability and reliability, designed to provide years of service. The HS510C-FDE-R features advanced power management with Solar Failsafe and Shake Awake technologies, ensuring exceptionally long battery life and readiness when needed.

For specific warranty details, product registration, or technical support, please refer to the official HOLOSUN website or contact their customer service directly. Always purchase from authorized dealers to ensure product authenticity and warranty coverage.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question