

Sightmark SM26030

Sightmark Volta Solar Red Dot Sight User Manual

INTRODUCTION

The Sightmark Volta Solar Red Dot Sight combines state-of-the-art solar cell technology with proven battery power, featuring a dual power system to ensure your red dot is always operational. Its innovative Eclipse Light Management System automatically adjusts reticle brightness based on your environment, eliminating the need for manual adjustments. This compact, enclosed sight is built with full metal construction for durability and includes both low and cowitness mounts for versatile installation.



Figure 1: The Sightmark Volta Solar Red Dot Sight, showcasing its compact design and solar panel.

SETUP AND INSTALLATION

Package Contents

Your Sightmark Volta Solar Red Dot Sight package includes the following items:

- Sightmark Volta Solar Red Dot Sight
- Rubber lens cover
- Low Picatinny mount
- Absolute cowitness mount



RISERS/CO-WITNESS

Risers: High, and low risers

Co-Witness: Absolute co-witness (with High riser)

Figure 2: Included components with the Sightmark Volta, featuring the sight, rubber cover, and two mounting options.

Mounting the Sight

The Sightmark Volta is designed for Picatinny mounting. Choose between the included low mount or the absolute cowitness mount based on your preference and firearm setup. Ensure the mount is securely fastened to your firearm's Picatinny rail using a standard screwdriver or a small coin. A dime works well for installation and removal. Ensure a snug fit to prevent any wobble that could affect accuracy.



Figure 3: Illustration of the Sightmark Volta mounted on a Picatinny rail, highlighting the mounting style.

Battery Installation

The Sightmark Volta uses standard AAA batteries. To install, locate the battery compartment. While the instructions typically indicate polarity markings, some units may not have them clearly visible. If markings are absent, try installing the batteries in different orientations until the sight powers on. The battery door is a twist-lock design; ensure it is securely closed to prevent batteries from dislodging during use. A standard screwdriver is required to open and close the battery door.

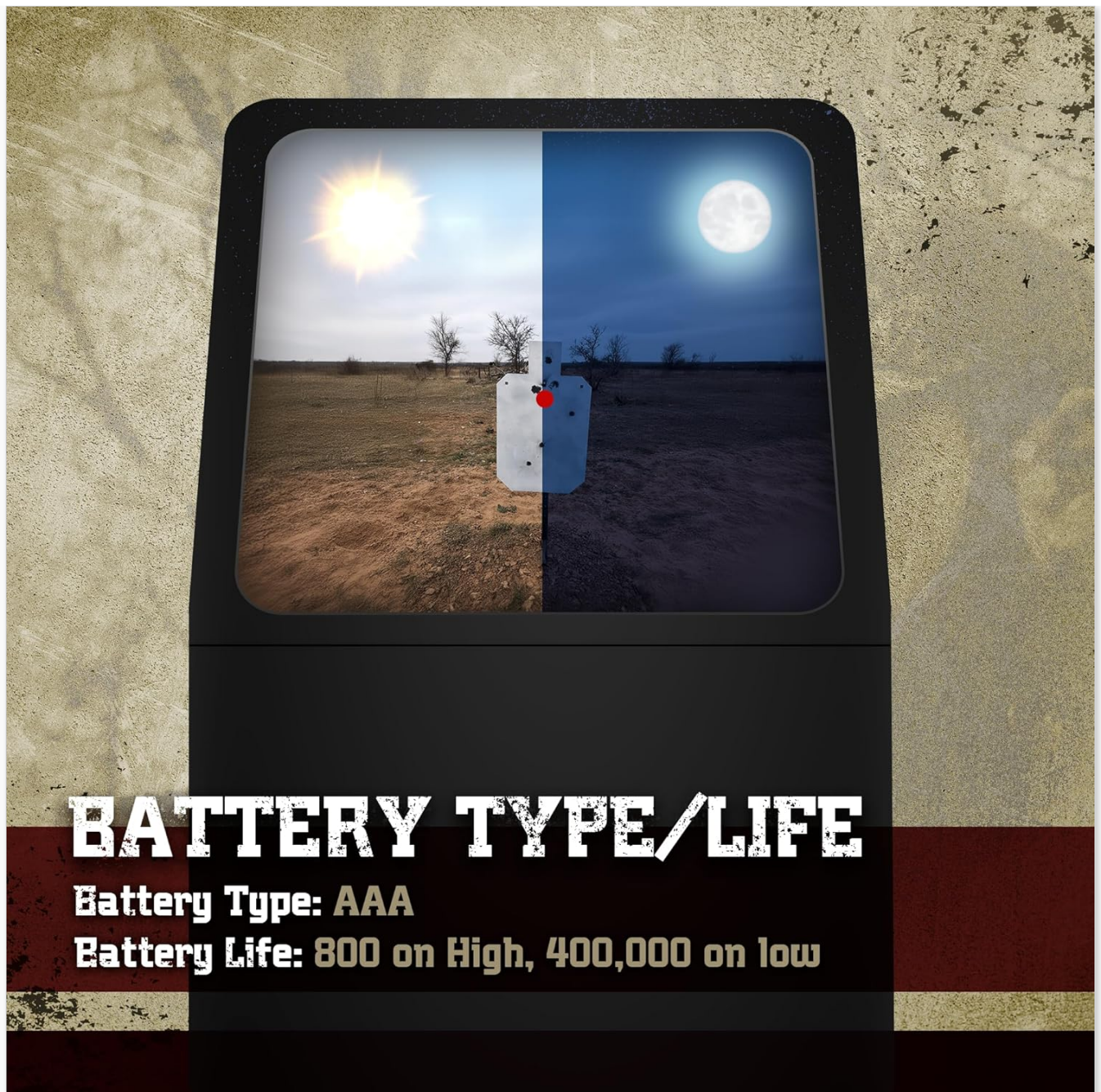


Figure 4: Visual representation of the Sightmark Volta's battery type (AAA) and impressive battery life.

OPERATING INSTRUCTIONS

Power System

The Sightmark Volta features a versatile dual power system, allowing it to operate on either battery power or solar power. The solar panel on top of the sight can power the red dot in sufficient ambient light, even without batteries installed. This ensures continuous functionality and extends battery life significantly, up to 400,000 hours on low brightness settings.

Reticle and Brightness Adjustment

The Volta utilizes a 2 MOA red dot reticle. The innovative Eclipse Light Management System automatically adjusts the reticle's brightness based on the surrounding environment, optimizing visibility in various lighting conditions without manual intervention.



Figure 5: Depiction of the 2 MOA red dot reticle as seen through the Sightmark Volta.

Windage and Elevation Adjustments

To adjust the point of impact, use a standard screwdriver to turn the windage and elevation adjustment knobs. These knobs are typically located on the side and top of the sight. Make small, incremental adjustments and re-test your zero as needed. Note that these adjustments require a tool and cannot be made with a coin.

CARE AND MAINTENANCE

Cleaning

To maintain optimal performance, keep the lenses and body of your Sightmark Volta clean. Use a soft, lint-free cloth to wipe down the exterior. For lenses, use a lens cleaning pen or a soft brush to remove dust, followed by a lens cleaning solution and a microfiber cloth. Avoid using harsh solvents or abrasive materials, as they can damage the precision-coated optics. Always use the included rubber lens cover when the sight is not in use to protect the lenses.

Durability and Protection

The Sightmark Volta is built with full metal construction for robust durability. It is rated IP67 waterproof, meaning it can be submerged in 1 meter (3 feet) of water for up to 1 hour. The sight is also shockproof, designed to withstand recoil and impacts from normal use. While durable, always handle your optic with care to prevent unnecessary damage.



Figure 6: The Sightmark Volta submerged in water, illustrating its IP67 waterproof rating.

RETICLE

Reticle Type: Dot

Color: Red

Size: 2 MOA



Figure 7: The Sightmark Volta amidst rocks and dirt, demonstrating its shockproof resistance.

TROUBLESHOOTING

- **Sight Not Powering On:**

Ensure batteries are correctly installed with proper polarity. If the solar panel is covered or in low light, the sight may not activate without battery power. Check if the battery door is fully secured.

- **Difficulty with Battery Compartment:**

The battery cover can sometimes be stiff. Use a standard screwdriver for leverage and ensure it's properly aligned when closing. Do not force it if it feels misaligned.

- **Sight Not Holding Zero:**

Verify that the sight is securely mounted to the Picatinny rail and that all mounting screws are tightened. Ensure the windage and elevation adjustment screws are not loose. If the issue persists after re-zeroing and checking mounts, contact customer support.

- **Batteries Falling Out:**

Ensure the battery compartment twist-lock is fully engaged and tightened. If the batteries continue to dislodge under recoil, the battery door mechanism may be faulty. Contact customer support for assistance.

• **Incorrect Screws for Mounting:**

If you encounter screws that do not fit or appear incorrect for mounting, verify against the included components list. It is possible for packaging errors to occur. Do not force ill-fitting screws; contact customer support for replacement parts.

If you experience issues not covered here or require further assistance, please refer to the [Warranty and Customer Support](#) section.

SPECIFICATIONS

| Feature | Detail |
|----------------------------|--|
| Brand | Sightmark |
| Model Name | Volta |
| Model Number | SM26030 |
| Color | Black |
| Style | Solar |
| Product Dimensions (LxWxH) | 3"L x 1.5"W x 2"H |
| Item Weight | 7.3 Ounces |
| Material | Rubber (for cover), Full Metal Construction (for sight body) |
| Magnification Minimum | 1 x |
| Compatible Devices | Rifle, Airsoft |
| Mounting Type | Picatinny Mount |
| Night Vision | No |
| UPC | 812495026430 |
| Included Components | Rubber lens cover, Picatinny mount, Absolute cowitness mount |
| Battery Life | Up to 400,000 hours (on low) |
| Waterproof Rating | IP67 (Submersible 1m/3 feet for 1 hour) |
| Reticle Type | Dot |
| Reticle Color | Red |
| Reticle Size | 2 MOA |

WARRANTY AND CUSTOMER SUPPORT

Warranty Information

The Sightmark Volta Solar Red Dot Sight comes with a **Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Contacting Customer Support

For technical assistance, warranty claims, or any other inquiries regarding your Sightmark Volta, please contact Sightmark customer support. You can typically find contact details on the official Sightmark website or through the retailer where you purchased the product. When contacting support, please have your product model number (SM26030) and proof of purchase readily available.

Visit the official Sightmark website for the most up-to-date support information: www.sightmark.com

