

Astromania 51637

Astromania 1X40RD Reflex Red Green Dot Sight Instruction Manual

Model: 51637

1. INTRODUCTION

The Astromania 1X40RD Reflex Red Green Dot Sight is designed to assist in accurately targeting astronomical objects or fast-moving subjects for photography with DSLR cameras. It provides a clear, wide field of view, making it easier to align your camera with distant or elusive subjects, especially when a traditional viewfinder might be insufficient.

This sight features a large D40mm front glass, dual red and green reticle options, and adjustable brightness levels to suit various lighting conditions. Its robust metal construction ensures durability and reliable performance.

2. PACKAGE CONTENTS

Before proceeding with installation, please ensure all components are present:

- Astromania 1X40RD Reflex Red Green Dot Sight
- Flash Shoe Mounting Plate
- Hex Wrenches (for mounting screws)
- Lens Cleaning Cloth
- Instruction Manual (this document)



Image: The Astromania 1X40RD Reflex Red Green Dot Sight and its accompanying accessories, including the flash shoe plate, hex wrenches, and lens caps.

3. SETUP AND INSTALLATION

Follow these steps to properly install your Astromania 1X40RD Reflex Red Green Dot Sight onto your DSLR camera.

3.1 Battery Installation

1. Locate the battery compartment on the top adjustment knob (usually marked with a battery symbol).
2. Unscrew the battery cap counter-clockwise.
3. Insert one CR2032 lithium cell battery with the positive (+) side facing upwards.
4. Replace the battery cap and screw it clockwise until secure.

Note: The CR2032 battery is not included and must be purchased separately.

3.2 Mounting to DSLR Camera

1. **Attach the Flash Shoe Mounting Plate:** Slide the flash shoe mounting plate into your DSLR camera's hot shoe (flash type connection).



Image: Sliding the mounting plate onto the camera's hot shoe.

2. **Secure the Mounting Plate:** Use the provided hex wrench to tighten the two built-in screws on the mounting plate. These screws secure the plate firmly to the hot shoe, preventing movement.



Image: Securing the mounting plate with hex screws.

3. **Attach the Reflex Sight:** Slide the Astromania 1X40RD Reflex Red Green Dot Sight onto the secured flash shoe mounting plate.



Image: The reflex sight fully mounted on a DSLR camera.

4. **Tighten the Sight:** Use the hex wrench to tighten the screws on the side of the reflex sight's base to firmly attach it to the mounting plate.

3.3 Setup Video Guide

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Video: This video demonstrates the physical components of the Astromania 1X40RD Reflex Red Green Dot Sight and provides a visual guide for its installation onto a camera's hot shoe mount.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Reticle Selection

The large knob on top of the sight controls both power and reticle settings:

- Rotate the knob to select between **Red** (R) and **Green** (G) dot illumination.
- Each color has 5 distinct brightness levels (1-5). Rotate the knob to increase or decrease brightness.
- To turn off the sight, rotate the knob to the "0" position.
- Use the red dot for nighttime conditions and the green dot for daytime visibility.

4.2 Windage and Elevation Adjustment

Two smaller knobs are located on the top and side of the sight for reticle adjustment:

- The top knob adjusts the **elevation** (up/down) of the reticle.
- The side knob adjusts the **windage** (left/right) of the reticle.
- To access the adjustment dials, unscrew the protective caps from these knobs.
- Use a small flat-head screwdriver or the edge of a coin to turn the adjustment dials. Turn clockwise to move the dot right or down, and counter-clockwise to move it left or up.
- The sight has a standard adjustment range of ± 30 .
- After adjustment, replace the protective caps.

4.3 Proper Eye Position

For accurate use, ensure your eye is positioned correctly relative to the sight. The dot should appear centered within the sight's field of view, regardless of minor head movements. Avoid extreme angles that can introduce parallax errors.



Image: Illustration of correct eye alignment for optimal dot visibility and accuracy.

5. MAINTENANCE

- **Cleaning Lenses:** Use the provided lens cleaning cloth or a soft, lint-free cloth to gently wipe the objective and ocular lenses. Avoid using abrasive materials or harsh chemicals.
- **Battery Replacement:** Replace the CR2032 battery when the reticle illumination becomes dim or inconsistent. Follow the battery installation steps in Section 3.1.
- **Storage:** When not in use, store the sight in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the brightness knob is set to "0" to conserve battery life. Keep the lens caps on to protect the optics from dust and scratches.
- **General Care:** The sight features a sturdy weatherproof aluminum alloy enclosure. While durable, avoid unnecessary impacts or drops.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Reticle dot is dim or not visible.	Low battery or brightness setting too low.	Replace CR2032 battery. Increase brightness using the top knob.
Reticle dot is off-center or cannot be adjusted to center.	Adjustment dials not fully utilized or parallax error.	Ensure protective caps are removed from adjustment knobs. Use a small screwdriver to turn adjustment dials to their full range. Verify proper eye alignment (see Section 4.3). Note that the adjustment range is ± 30 .
Sight feels loose on the camera.	Mounting screws are not tightened.	Re-tighten the two built-in screws on the flash shoe mounting plate and the screws securing the sight to the plate using the hex wrenches.
Cannot mount the sight to the camera.	Incorrect mounting procedure or incompatible camera hot shoe.	Review Section 3.2 for correct mounting steps. Ensure your camera has a standard flash type hot shoe connection.

7. SPECIFICATIONS

Feature	Detail
Brand	Astromania
Model Number	51637
Color	Black
Style	Reflex
Material	Metal (Aluminum Alloy)
Magnification	1x
Objective Lens Diameter	40 mm
Reticle Type	Dual Color (Red & Green Dot)
Brightness Levels	5 per color
Adjustment Range	± 30 (Windage & Elevation)
Compatible Devices	DSLR Cameras with Flash Type Connection
Power Source	CR2032 Lithium Cell Battery (not included)
Item Weight	7.5 ounces (approx. 212 grams)
Product Dimensions	5.71 x 2.6 x 3.03 inches

8. WARRANTY AND SUPPORT

Astromania products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Astromania website. For technical support, product inquiries, or assistance with troubleshooting beyond this manual, please contact Astromania customer service through their official channels.

You can find more information and contact details on the [Astromania Store on Amazon](#).