Monstrum Archangel SE

Monstrum Archangel SE 1-6x SFP LPVO Scope User Manual

Model: Archangel SE with BDC-B1 Reticle

1. Introduction

Thank you for choosing the Monstrum Archangel SE 1-6x SFP LPVO Scope. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new scope. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

2. Product Overview

The Monstrum Archangel SE 1-6x SFP LPVO (Low Power Variable Optic) Scope is designed for versatility and performance. It features a true 1x sight picture at its lowest magnification and a 6x magnification for extended ranges. The Second Focal Plane (SFP) reticle maintains a consistent size across all magnification levels, ensuring clear visibility.

Key Features:

- True 1x sight picture with 1-6x variable magnification.
- Second Focal Plane (SFP) BDC-B1 reticle for consistent size at all magnifications.
- Generous eye relief and forgiving eye box.
- Durable, contoured aluminum housing, weighing approximately 1.8 pounds.
- Precision windage and elevation turrets with 1/2 MOA per click adjustments.
- Integrated heavy-duty Picatinny mount for flat-top mounting platforms.

Components:

Familiarize yourself with the main components of your scope:

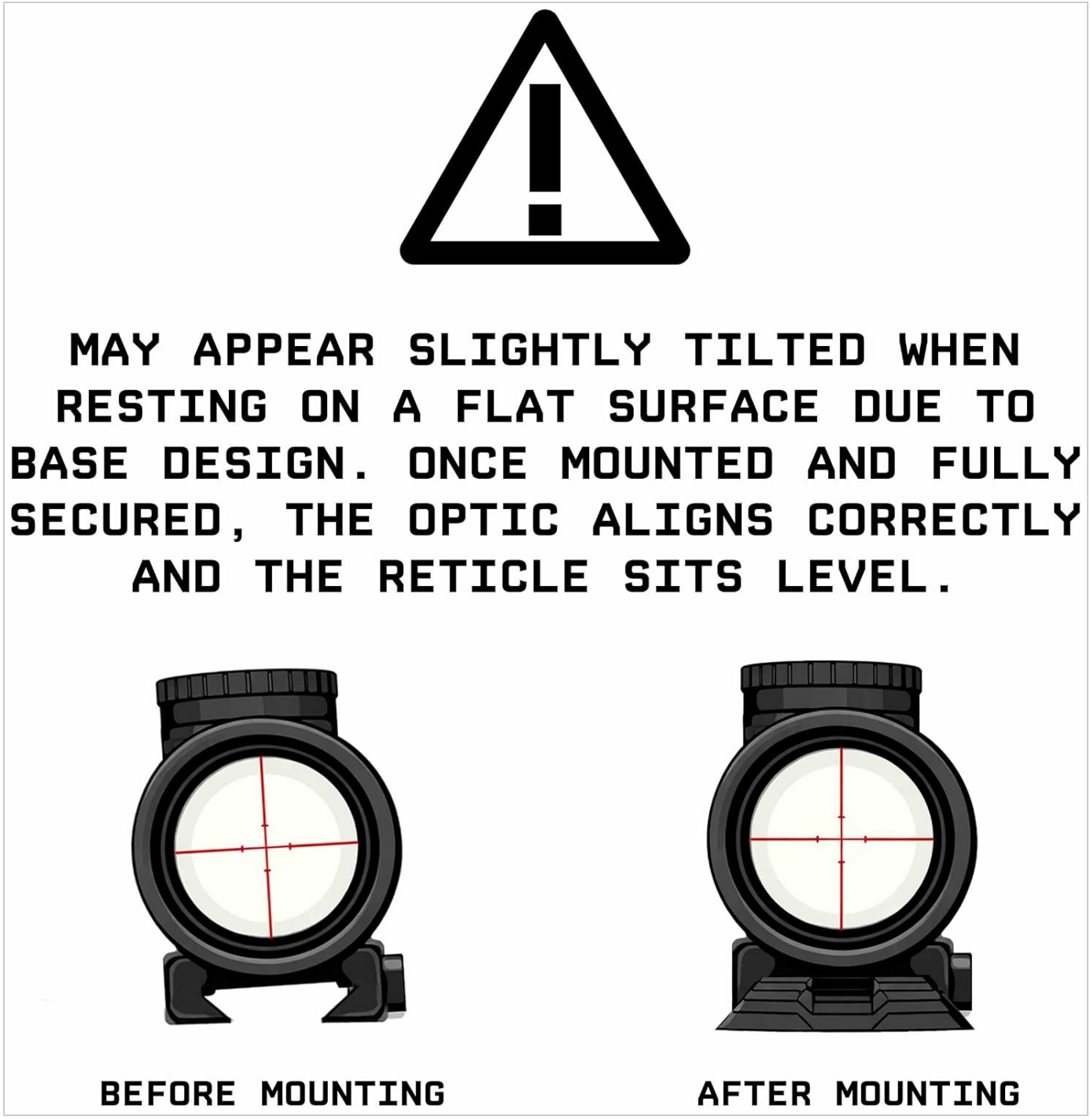


Image 2.1: Side view of the Monstrum Archangel SE 1-6x SFP LPVO Scope, showcasing its sleek design and integrated mount.



Image 2.2: Detailed view of the scope highlighting the integrated throw lever for magnification adjustment and the illuminated reticle dial.

3. Setup

3.1 Mounting the Scope

The Monstrum Archangel SE features an integrated Picatinny mount for secure attachment to your rifle. Ensure your firearm is unloaded and pointed in a safe direction before proceeding with mounting.

1. Align the integrated mount with the Picatinny rail on your firearm.
2. Tighten the mounting screws evenly to secure the scope. Do not overtighten.
3. Verify that the scope is firmly attached and does not wobble.

Important Notice: The scope must be mounted on a rail for a level reticle in the sight picture. The reticle may appear slightly tilted when the scope is resting on a flat surface due to its base design. Once properly mounted and fully secured, the optic aligns correctly, and the reticle will sit level.

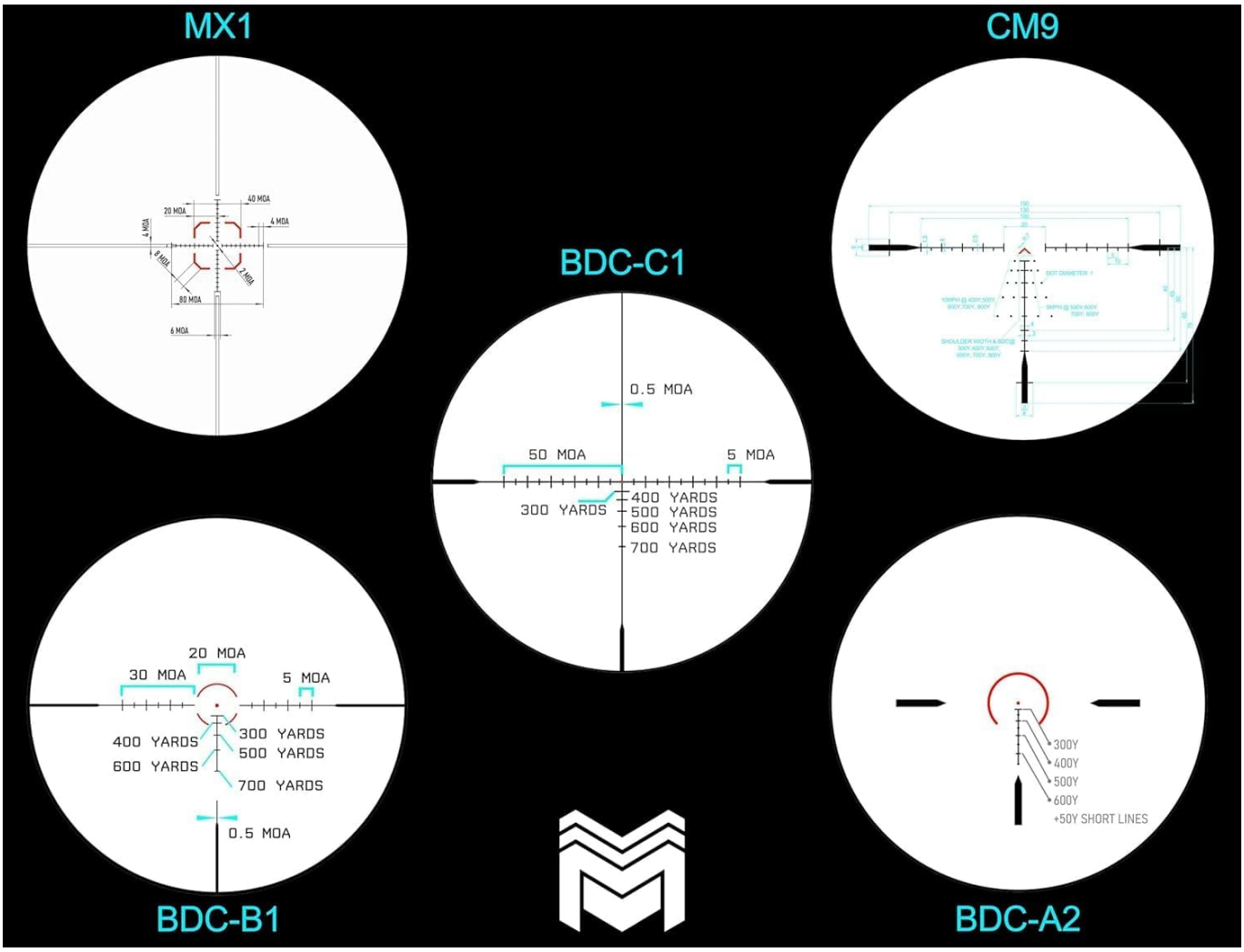


Image 3.1: Visual warning indicating that the scope's reticle requires proper mounting to achieve a level sight picture.



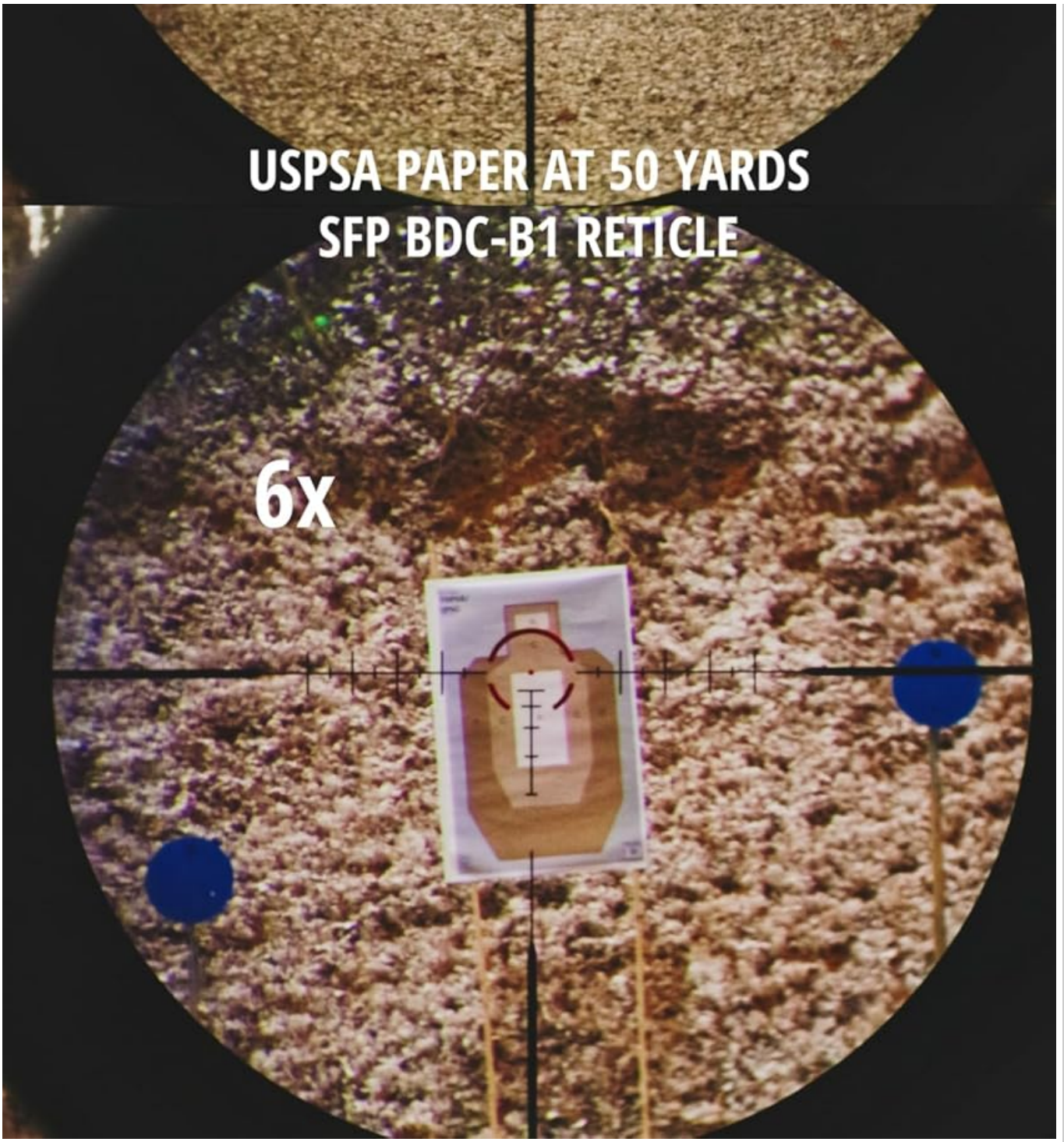


Image 3.2: Illustration demonstrating the reticle's appearance before mounting (potentially tilted) and after mounting (level and aligned).

4. Operating Instructions

4.1 Magnification Adjustment

The Archangel SE features a 1-6x variable magnification. Use the integrated throw lever located on the eyepiece to smoothly adjust the magnification level. Rotate the lever clockwise to increase magnification and counter-clockwise to decrease it.

4.2 Reticle Illumination

The reticle illumination dial is located on the left side of the scope. Rotate the dial to turn on and adjust the brightness of the illuminated reticle. The dial typically has multiple brightness settings and 'off' positions between each setting for quick power-down.

4.3 Windage and Elevation Adjustment

The scope is equipped with precision windage and elevation turrets, providing 1/2 MOA (Minute of Angle) per click adjustments. These turrets are used to zero your scope and make adjustments for bullet drop and wind drift.

1. Remove the turret caps to expose the adjustment dials.
2. Rotate the elevation turret (top) to adjust for vertical point of impact.
3. Rotate the windage turret (right side) to adjust for horizontal point of impact.
4. Each click moves the point of impact by 1/2 MOA at 100 yards.
5. After making adjustments, replace the turret caps to protect the dials.



Image 4.1: A hand demonstrating the adjustment of a precision turret, showing the 1/2 MOA per click markings.

5. Reticle Information: BDC-B1

Your Monstrum Archangel SE scope features the BDC-B1 (Bullet Drop Compensator) reticle. As a Second Focal Plane (SFP) reticle, its size remains constant regardless of the magnification setting. This ensures that the subtensions (markings) are accurate at a specific magnification, typically the highest setting (6x) for BDC reticles.
The BDC-B1 reticle is designed to provide holdover points for various distances, assisting in quick target acquisition and accurate shots at different ranges without adjusting elevation turrets. Refer to the diagram below for a visual representation of the BDC-B1 reticle and its subtensions.



Image 5.1: A diagram illustrating different reticle patterns, with the BDC-B1 reticle clearly visible, showing its holdover points for various distances.

Image 5.2: A comparative view through the scope at 1x and 6x magnification, demonstrating the BDC-B1 reticle's appearance on a USPSA paper target at 50 yards. Note how the reticle size remains constant.

6. Maintenance

6.1 Cleaning the Lenses

Use a soft, lint-free cloth or a lens brush to remove dust and debris from the lenses. For smudges or fingerprints, use a lens cleaning solution specifically designed for optics and a microfiber cloth. Avoid using harsh chemicals or abrasive materials, as these can damage the lens coatings.

6.2 Cleaning the Scope Body

Wipe the exterior of the scope with a soft, damp cloth to remove dirt or grime. For stubborn residue, a mild soap solution can be used, followed by wiping with a clean, damp cloth and then drying thoroughly.

6.3 Storage

Store your scope in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, consider using a protective case to prevent accidental damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Reticle appears tilted or not level.	Improper mounting or base design.	Ensure the scope is securely mounted on a Picatinny rail. The reticle is designed to be level only when properly mounted. Re-check mounting screws for tightness.
Blurry image or difficulty focusing.	Diopter adjustment incorrect or dirty lenses.	Adjust the diopter ring on the eyepiece until the reticle is sharp. Clean lenses as per maintenance instructions.
Point of impact shifts.	Loose mounting, damaged scope, or improper zeroing.	Check mounting screws for tightness. Re-zero the scope. If the problem persists, contact customer support.
Reticle illumination not working.	Dead battery or faulty illumination dial.	Replace the battery. Ensure the illumination dial is turned to an 'on' setting and not an 'off' position between brightness levels.

8. Specifications

Feature	Detail
Brand	Monstrum
Model Name	Archangel SE
Manufacturer Part Number	SFD16B-BDCB1
UPC	810198402346
Magnification	1-6x Variable
Reticle Type	BDC-B1 (Second Focal Plane)
Adjustment Click Value	1/2 MOA
Material	Aluminum
Color	Black
Mounting Type	Integrated Picatinny Mount
Weight	1.8 pounds

Feature	Detail
Compatible Devices	Rifle

9. Warranty and Support

For warranty information, technical support, or service inquiries regarding your Monstrum Archangel SE 1-6x SFP LPVO Scope, please contact Monstrum customer service directly. Refer to the official Monstrum website or your purchase documentation for the most current contact details and warranty policy.

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Name

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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