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Primary Arms SLX 3X MicroPrism

Primary Arms SLX 3X MicroPrism User Manual

Model: SLX 3X MicroPrism (Red Raptor 7.62/.300BO Reticle)

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Primary Arms SLX 3X MicroPrism. This advanced optical system combines the compact size of a microdot with the precision of a 3x magnified optic, featuring an etched reticle and AutoLive motion-sensing illumination.

2. KEY FEATURES

- **Magnification:** 3x fixed magnification.
- **Illumination:** 13 settings, including daylight bright options.
- **Battery Life:** AutoLive motion-sensing on/off technology for extended battery life.
- **Reticle:** Etched reticle (ACSS Raptor 7.62/.300BO) for functionality without illumination, with adjustable diopter.
- **Eye Relief:** 2.7 inches.
- **Field of View:** 38.0 ft at 100 yards.
- **Adjustments:** 80 MOA windage and elevation adjustments with 0.25 MOA click value.
- **Mounting:** Ruggedized modular mounting system with 8 height configurations, compatible with Picatinny rails.
- **Durability:** Waterproof, shockproof, and features multicoated lenses.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your SLX 3X MicroPrism:

SLX[®] 3x MicroPrism Raptor PRISM SCOPE



Figure 1: Labeled diagram of the Primary Arms SLX 3X MicroPrism. Key components include the cast housing, wide field of view, shockproof multicoated lens, waterproof seals, and the modular mounting system.

- **Cast Housing:** Durable exterior protecting internal components.
- **Wide Field of View:** Provides a broad sight picture (38 ft at 100 yds).
- **Shock Proof Multicoated Lens:** Enhances light transmission and protects against impact.
- **Waterproof:** Ensures reliable performance in various weather conditions.
- **Modular Mounting System:** Allows for adjustable height and secure attachment to Picatinny rails.
- **Illumination Control Dial:** Adjusts reticle brightness.
- **Windage and Elevation Turrets:** Used for zeroing the optic.

4. SETUP AND INSTALLATION

4.1 Mounting the MicroPrism

1. Ensure the firearm is unloaded and safe.
2. Select the appropriate mounting height using the included modular risers. The system offers 8 different height configurations.
3. Attach the MicroPrism to a Picatinny rail, ensuring it is securely fastened. Use a torque wrench to tighten mounting screws to the manufacturer's recommended specifications (refer to product packaging for specific torque values).
4. Position the optic for optimal eye relief (2.7 inches) and a clear sight picture.

4.2 Battery Installation

1. Unscrew the battery cap located on the illumination control dial.
2. Insert one CR2032 battery with the positive (+) side facing outwards.
3. Replace the battery cap, ensuring it is tightened to maintain the waterproof seal.

4.3 Diopter Adjustment

The diopter adjustment allows you to focus the etched reticle for your individual eyesight, ensuring it appears sharp and clear.

1. Point the optic at a plain, bright background (e.g., a clear sky or a blank wall).
2. Look through the optic and quickly glance away.
3. While looking away, adjust the diopter ring (located at the eyepiece) until the reticle appears perfectly sharp the instant you look through the optic. Avoid staring through the optic for too long, as your eye may compensate for an unfocused reticle.

5. OPERATION

5.1 Illumination Control

The MicroPrism features 13 illumination settings, controlled by the dial on the side of the optic. Rotate the dial to increase or decrease brightness. The highest settings are designed to be daylight bright. The AutoLive motion-sensing technology automatically turns the illumination off after a period of inactivity and turns it back on when motion is detected, conserving battery life.

5.2 Windage and Elevation Adjustments

The windage and elevation turrets are located on the top and side of the optic. Each click adjusts the point of impact by 0.25 MOA. To adjust, remove the protective caps and use a flathead screwdriver or a coin to turn the turrets. Turn in the direction indicated by the arrows to move the point of impact.

5.3 ACSS Raptor 7.62/.300BO Reticle Usage

The Advanced Combined Sighting System (ACSS) Raptor reticle is designed for rapid target acquisition and precise engagements at various distances. This specific reticle is calibrated for 7.62x39 and .300 AAC Blackout ballistics.

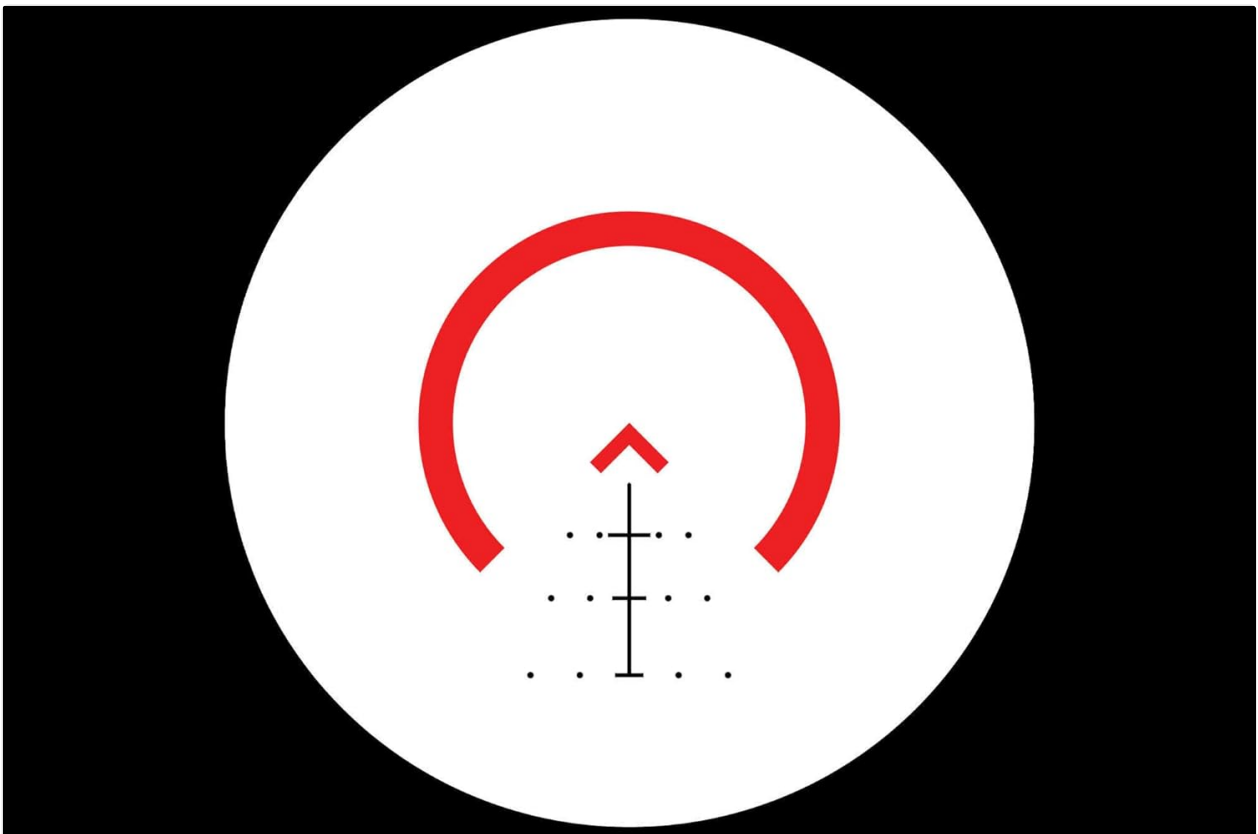


Figure 2: The ACSS Raptor 7.62x39/300BO Reticle. Features include a bold outer horseshoe for close range, a precise center chevron, and ballistic drop compensation markings.

Close Range Engagement

For targets at close distances, utilize the bold outer horseshoe and the infinitely precise center chevron for fast and accurate target acquisition.

Ballistic Drop Compensation (BDC)

The reticle incorporates holdovers for bullet drop compensation, typically in 100-yard increments. These allow for accurate aiming at extended ranges without adjusting the turrets.

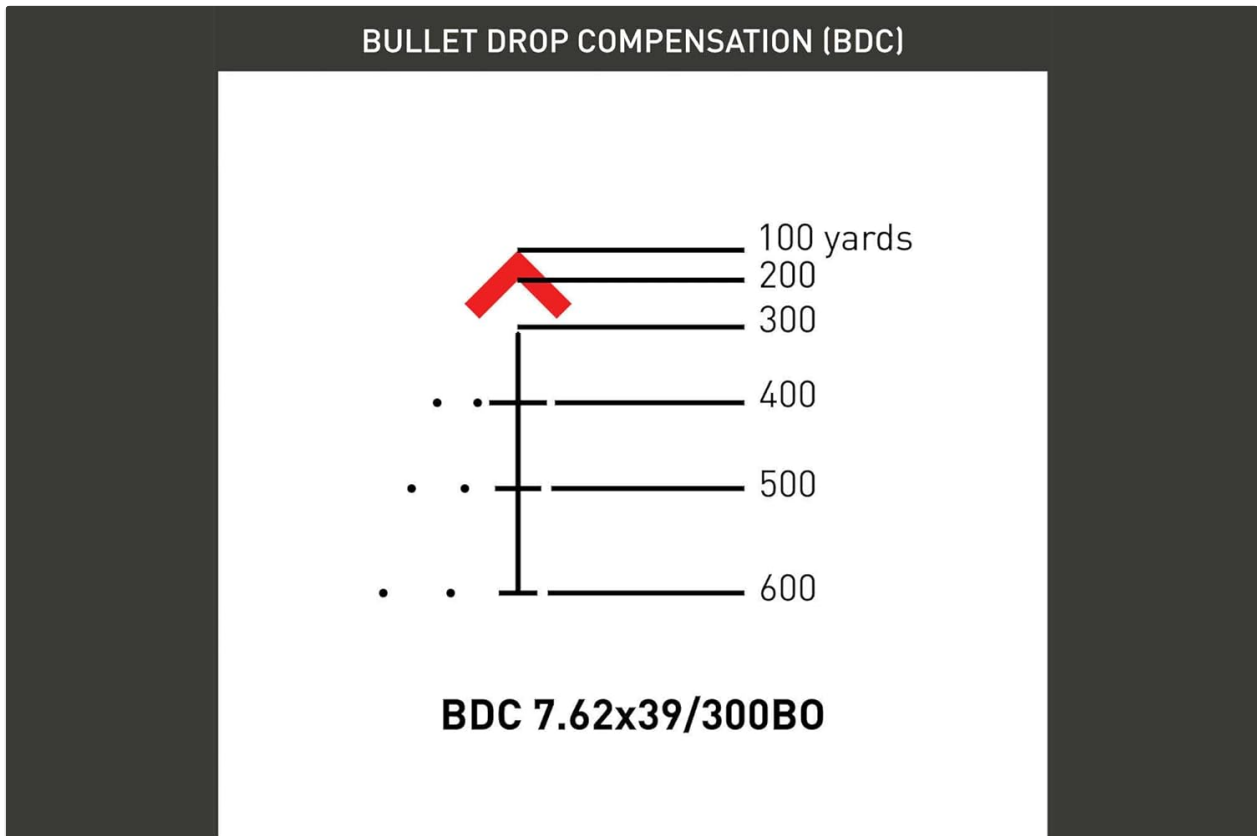


Figure 3: Diagram illustrating the Bullet Drop Compensation (BDC) points for 7.62x39/300BO, showing holdovers for 100, 200, 300, 400, 500, and 600 yards.

Wind Holds and Moving Target Leads

The ACSS Raptor reticle includes markings for wind compensation (e.g., 5 mph and 10 mph) and leads for engaging moving targets. These features assist in making precise shots under dynamic conditions.

WIND & BULLET DRIFT

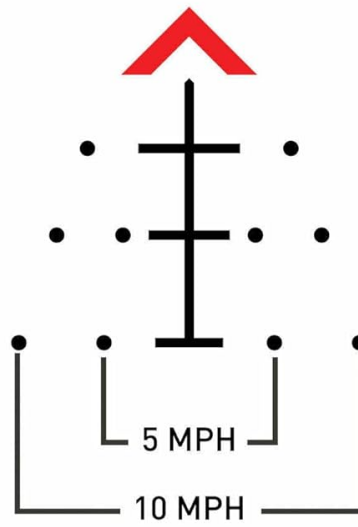


Figure 4: Diagram showing wind and bullet drift compensation points within the reticle, indicating holds for 5 mph and 10 mph wind.

LEADING YOUR TARGET

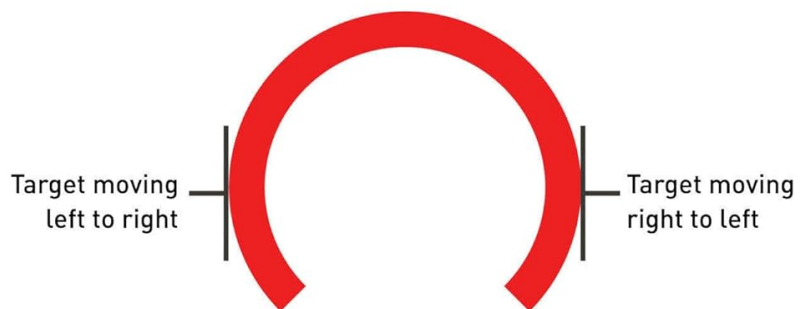


Figure 5: Diagram illustrating how to lead a moving target using the reticle, with indicators for targets moving left to right and right to left.

6. MAINTENANCE

6.1 Cleaning

- **Lenses:** Use a soft, lint-free cloth and lens cleaning solution specifically designed for optics. Avoid abrasive materials or harsh chemicals. Gently wipe the lens surfaces to remove dust and smudges.
- **Housing:** Wipe the exterior of the MicroPrism with a damp cloth to remove dirt and debris. Do not use solvents that could damage the finish.

6.2 Battery Replacement

Replace the CR2032 battery when the illumination becomes dim or ceases to function. Follow the steps outlined in Section 4.2.

6.3 Storage

Store the MicroPrism in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the illumination is turned off to prevent battery drain during storage.

7. TROUBLESHOOTING

- **Reticle appears blurry:** Adjust the diopter ring (see Section 4.3).
- **No reticle illumination:** Check if the illumination dial is turned on. Replace the CR2032 battery if necessary (see Section 4.2).
- **Point of impact shifts:** Ensure the mounting screws are properly torqued and the optic is securely attached to the rail. Re-zero the optic if needed.
- **Water inside optic:** If the optic shows signs of water ingress, contact Primary Arms customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Primary Arms
Model Name	SLX 3X MicroPrism
Color	Black
Style	Red Raptor 7.62/.300BO Reticle - Yard
Item Weight	8 Ounces
Material	Aluminum
Magnification	3x
Compatible Devices	Rifle
Mounting Type	Picatinny Mount
Night Vision Compatible	Yes
Field Of View	38 Feet @ 100 Yards
Reticle Type	Raptor (ACSS)
UPC	818500015680

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Primary Arms SLX 3X MicroPrism is covered by a **Limited Lifetime Warranty**. This warranty ensures that your optic will be free from defects in materials and workmanship under normal use. For full details and terms of the warranty, please refer to the official Primary Arms website or contact their customer service.

9.2 Customer Support

For technical assistance, warranty claims, or any other inquiries regarding your Primary Arms SLX 3X MicroPrism, please visit the official Primary Arms website or contact their customer support department directly. Contact information can typically be found on the manufacturer's website or product packaging.