



[Manuals.plus](#) /

› [Bushnell](#) /

› Bushnell RXS250 Reflex Sight User Manual

Bushnell RXS250

Bushnell RXS250 Reflex Sight User Manual

Model: RXS250

INTRODUCTION

The Bushnell RXS250 Reflex Sight is a compact and durable optical device designed for rapid target acquisition across various platforms, including pistols, MSRs (Modern Sporting Rifles), and shotguns. Engineered with a clear 4 MOA dot and multiple brightness settings, it provides reliable performance for training, target shooting, home defense, competition, and hunting applications. Its robust construction ensures longevity and resistance to environmental factors.



Image: The Bushnell RXS250 Reflex Sight, a compact red dot optic.

KEY FEATURES

- **Clear 4 MOA Dot:** Provides a precise aiming point for quick target acquisition.
- **10 Brightness Settings:** Allows for optimal visibility in various lighting conditions.
- **Fully-Multi Coated Glass:** Enhances light transmission and reduces glare for a clear sight picture.
- **Detented Windage/Elevation Adjustments:** Ensures precise and repeatable zeroing.
- **Top Loading Battery:** Facilitates easy and convenient battery replacement without removing the sight.
- **Versatile Mounting:** Compatible with an array of pistols, MSRs, and shotguns, featuring a common footprint for direct mounting.
- **IP67 Rated:** Certified waterproof and dustproof for reliable performance in harsh environments.
- **Long Battery Life:** Offers up to 50,000 hours of operation on a mid-setting.
- **Durable Construction:** Made from aluminum for robust and lightweight performance.

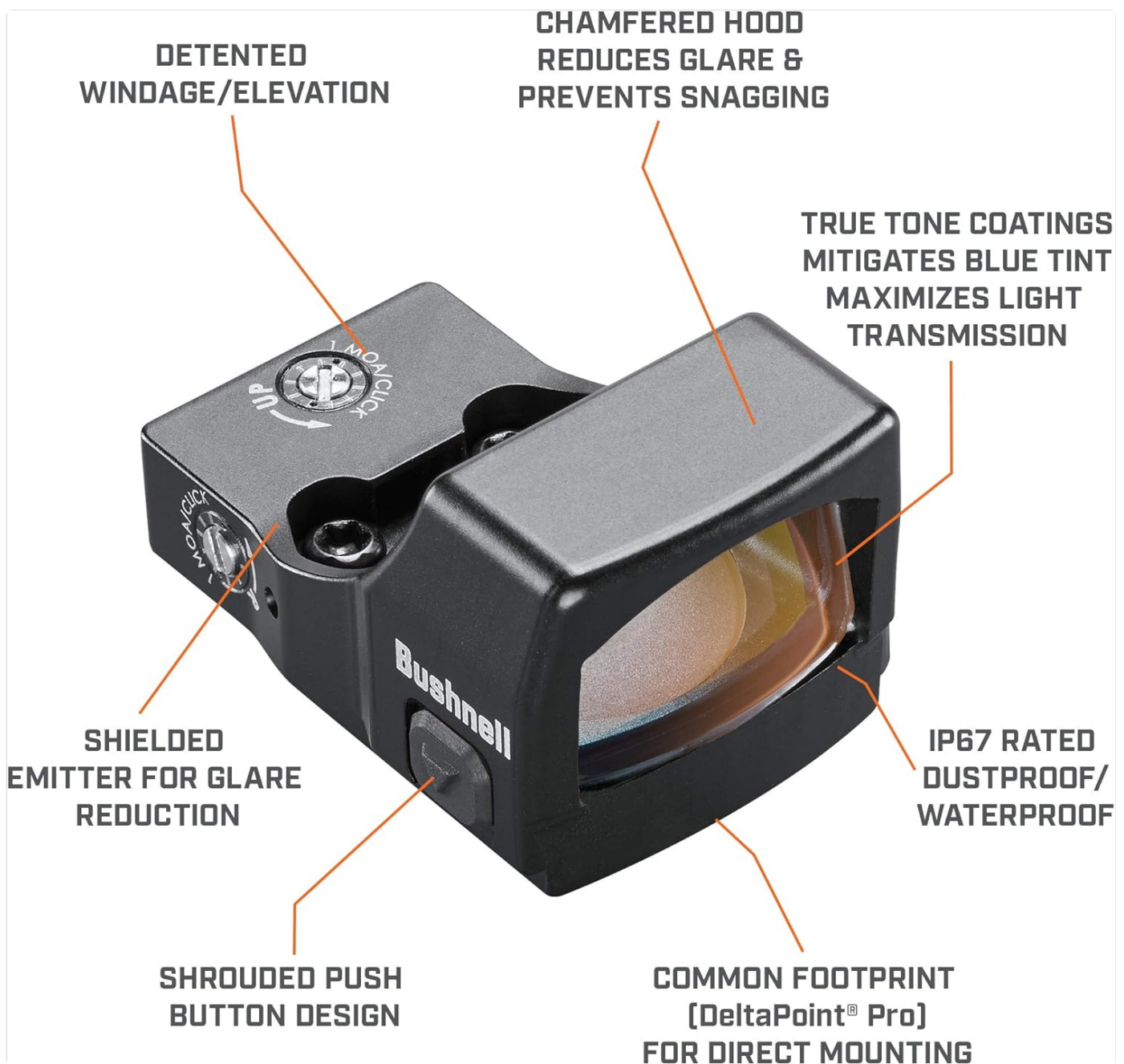


Image: Diagram highlighting key features such as detented windage/elevation, true tone coatings, shielded emitter, shrouded push button, common footprint, and IP67 rating.

WHAT'S INCLUDED

Your Bushnell RXS250 Reflex Sight package typically includes the following components:

- Bushnell RXS250 Reflex Sight
- Protective Case
- Weaver Style Low-Profile Mount
- Bushnell Multi-Tool & Basic Adjustment Tools
- Spudz Cleaning Cloth
- CR2032 Battery

WHAT'S INCLUDED



WEAVER STYLE LOW-PROFILE MOUNT, BUSHNELL MULTI-TOOL & BASIC ADJUSTMENT TOOLS, SPUDZ CLEANING CLOTH, & BATTERY

Image: All components included with the Bushnell RXS250 Reflex Sight: the sight, protective cover, mount, tools, cleaning cloth, and battery.

SETUP

1. Mounting the Sight

The RXS250 comes with a Weaver style low-profile mount. Ensure your firearm has a compatible Weaver or Picatinny rail. Align the sight with the rail and secure it using the provided mounting screws. Tighten screws evenly to ensure a stable and secure fit, but do not overtighten.



WEIGHT

1.5 oz

41.9g



LENGTH



1.8 in

46mm

Image: The Bushnell RXS250 Reflex Sight showing the included Weaver style mount.

2. Battery Installation

The RXS250 features a convenient top-loading battery compartment. Use the provided tool or a suitable coin to open the battery cap located on the top of the sight. Insert the CR2032 battery with the positive (+) side facing upwards. Replace the cap and tighten it securely to ensure a waterproof seal.



MOUNT INCLUDED

Image: Top view of the Bushnell RXS250, showing the battery compartment and windage/elevation adjustment points.

3. Zeroing and Adjustments

After mounting, the sight needs to be zeroed to your firearm. The RXS250 has detented windage and elevation adjustments, with each click representing 1 MOA (Minute of Angle). Use the provided adjustment tool to turn the windage (side) and elevation (top) screws. Turn the 'UP' screw clockwise to move the point of impact up, and counter-clockwise to move it down. Turn the 'R' (Right) screw clockwise to move the point of impact right, and counter-clockwise to move it left. Perform adjustments incrementally at a shooting range to achieve accurate zeroing.

OPERATION

Power On/Off and Brightness Control

The RXS250 features digital control with a single push button for operation. Press and hold the button to power the sight on or off. Once powered on, short presses of the button will cycle through the 10 available brightness settings for the 4 MOA red dot. Select a brightness level that provides optimal visibility without causing excessive glare or blooming of the dot in your current lighting conditions.



DIGITAL CONTROL WITH PUSH BUTTON ACTUATION

Image: The Bushnell RXS250 showing the digital control push button for power and brightness adjustments.



Image: A user aiming a pistol equipped with the Bushnell RXS250 Reflex Sight, demonstrating its practical application.

MAINTENANCE

Cleaning

To maintain the clarity of your sight, regularly clean the lenses. Use the provided Spudz cleaning cloth or a soft, lint-free cloth. For stubborn smudges, a small amount of lens cleaning solution designed for optics can be applied to the cloth, not directly to the lens. Avoid using abrasive materials or harsh chemicals.

Water and Dust Resistance

The RXS250 is IP67 rated, meaning it is protected from dust ingress and can withstand immersion in water up to 1 meter for 30 minutes. While designed for durability, it is recommended to wipe down the sight with a dry cloth after exposure to moisture or dust to prevent buildup and maintain optimal performance.

TROUBLESHOOTING

- **Dot is Dim or Not Visible:** Check the battery. Ensure it is correctly installed and has sufficient charge. Adjust the brightness setting to a higher level.
- **Dot Appears Distorted or Bloomed:** This can sometimes be an optical illusion due to astigmatism. Try looking at the dot through a small pinhole to see if the distortion disappears. If it does, it may be an issue with your vision, not the sight. Also, ensure the brightness setting is not too high for the ambient light conditions.
- **Difficulty Zeroing:** Ensure the sight is securely mounted and there is no movement. Verify that the adjustment screws are turning freely. If issues persist, consult a qualified gunsmith or contact Bushnell support.
- **Sight Not Powering On:** Confirm the battery is new and correctly inserted. Ensure the battery cap is fully tightened. If the issue persists, the unit may require service.

SPECIFICATIONS

Feature	Specification
Brand	Bushnell
Model Name	Bushnell RXS250 Reflex Sight_RXS250
Color	Black
Style	Compact
Sport	Hunting
Item Weight	1.4 Ounces (41.9g)
Material	Aluminum
Magnification Maximum	1 x
Objective Lens Diameter	24 Millimeters
Magnification Minimum	1 x
Compatible Devices	Handgun, Shotgun
Mounting Type	Weaver Mount
Night Vision	No
Reticle Type	4 MOA Dot
UPC	029757007193
Item Package Dimensions L x W x H	6.85 x 4.88 x 3.23 inches
Package Weight	0.22 Kilograms
Date First Available	July 24, 2020



MOUNT INCLUDED

Image: Top view of the Bushnell RXS250, illustrating its compact dimensions and weight.

WARRANTY AND SUPPORT

The Bushnell RXS250 Reflex Sight is covered by the **BUSHNELL IRONCLAD WARRANTY**. This warranty ensures that your product is free from defects in materials and workmanship for its lifetime. For detailed information regarding warranty terms, claims, or technical support, please visit the official Bushnell website or contact their customer service department directly. Keep your proof of purchase for warranty claims.

Manufacturer: Bushnell

For further assistance, please refer to the official Bushnell support channels.

