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Bushnell BU-R5-1624S26

Bushnell R5 1-6x24 Illuminated DD2-QA Riflescope User Manual

Model: BU-R5-1624S26

Introduction

Thank you for choosing the Bushnell R5 1-6x24 Illuminated DD2-QA Riflescope. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your new riflescope. Designed for superior performance, the R5 series combines advanced optical features with rugged durability to enhance your shooting experience.
Key features include:

- **Illuminated DD2-QA Reticle:** For quick and accurate target acquisition in various lighting conditions.
- **HD Optical System:** Offers superior light transmission, contrast, and resolution for enhanced image quality.
- **Fully-Multi Coated Lenses:** Maximize light transmission for clear and bright visuals.
- **EXO Barrier Protection:** Repels water, oil, dust, and debris from lens surfaces.
- **IPX7 Waterproof:** Ensures reliable performance in all weather conditions.



Figure 1: Angled view of the Bushnell R5 1-6x24 Illuminated DD2-QA Riflescope.

Setup

1. Mounting the Riflescope

The Bushnell R5 Riflescope is designed for use with standard ring mounts or rail mounts (Picatinny, Weaver). Ensure your mounting system is compatible with a 30mm main tube diameter.

1. Securely attach the appropriate rings or mount to your rifle's receiver or rail, following the manufacturer's instructions for torque specifications.
2. Place the riflescope into the lower half of the rings.
3. Position the riflescope to achieve proper eye relief. This is the distance between your eye and the ocular lens when the scope is mounted and you are in a comfortable shooting position. The R5 1-6x24 has an eye relief of approximately 3.5 inches.
4. Rotate the riflescope until the reticle is level with the rifle's bore.
5. Install the top halves of the rings and tighten the screws evenly, ensuring not to overtighten.



Figure 2: Bushnell R5 Riflescope properly mounted on a rifle.

2. Focusing the Eyepiece

To ensure a sharp reticle image, adjust the eyepiece focus:

1. Point the riflescope at a plain, bright background (like a wall or clear sky).
2. Look through the scope and quickly glance at the reticle.
3. If the reticle appears blurry, rotate the eyepiece (diopter adjustment ring) until the reticle is crisp and sharp.
4. Avoid staring at the reticle for too long during adjustment, as your eye may compensate for blurriness.

Operating the Riflescope

1. Magnification Adjustment

The R5 1-6x24 features a variable magnification range. To adjust the magnification, rotate the power ring located near the eyepiece. The numbers on the power ring indicate the current magnification setting (e.g., 1x, 2x, 4x, 6x).

2. Windage and Elevation Adjustments

The windage and elevation turrets are located on the top and right side of the riflescope, respectively. These turrets are used to adjust the point of impact of your shots.

- **Elevation Turret (Top):** Adjusts the vertical point of impact. Turning the turret clockwise (CW) will move the point of impact down, and counter-clockwise (CCW) will move it up.
- **Windage Turret (Right Side):** Adjusts the horizontal point of impact. Turning the turret clockwise (CW) will move the point of impact right, and counter-clockwise (CCW) will move it left.

Each click of the turret corresponds to a specific change in the point of impact at 100 yards. Refer to the turret markings for the exact click value (e.g., 1/2 MOA per click).

3. Illuminated Reticle Operation

The R5 1-6x24 features an illuminated DD2-QA reticle for enhanced visibility in low light conditions. The illumination control is typically located on the left side turret.

1. Rotate the illumination control dial to turn the reticle illumination on and select the desired brightness level.
2. The dial usually has multiple brightness settings, allowing you to adjust for various ambient light conditions.
3. To turn off the illumination, rotate the dial to the "OFF" position.
4. The illumination is powered by a small battery (e.g., CR2032). Replace the battery when the illumination dims or fails.

Maintenance

1. Cleaning the Lenses

The lenses of your Bushnell R5 Riflescope are coated with EXO Barrier, which repels water, oil, dust, and debris. While this coating significantly reduces the need for frequent cleaning, proper care is still important.

- Use a soft, clean lens cloth (microfiber is ideal) to gently wipe away dust or smudges.
- For stubborn smudges or dried water spots, breathe lightly on the lens to fog it, then gently wipe with the lens cloth.
- Avoid using harsh chemicals, abrasive cloths, or excessive pressure, as these can damage the lens

coatings.

2. General Care and Storage

- Keep the riflescope clean and dry. Wipe down the exterior with a soft, damp cloth if it gets dirty, then dry thoroughly.
- Store the riflescope in a cool, dry place, preferably in its original packaging or a protective case, when not in use.
- Avoid exposing the riflescope to extreme temperatures or rapid temperature changes.
- Ensure all caps (turret caps, lens caps) are securely in place to protect the scope from dust and impact.

Troubleshooting

If you encounter issues with your Bushnell R5 Riflescope, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Blurry image	Eyepiece out of focus; Parallax error (if applicable); Dirty lenses	Adjust eyepiece focus; Adjust parallax (if applicable); Clean lenses.
Reticle not illuminating	Battery dead or incorrectly installed; Illumination dial off	Replace battery (CR2032); Ensure battery is installed correctly (+ side up); Turn illumination dial to an 'ON' setting.
Point of impact shifts	Mounting screws loose; Damaged scope or rings	Check and tighten all mounting screws to proper torque; Inspect scope and rings for damage. If damage is present, contact Bushnell support.
Difficulty adjusting turrets	Turret caps too tight; Debris in turret mechanism	Ensure turret caps are removed or loosened if applicable; Gently clean around turrets. Do not force adjustments.

If the problem persists after attempting these solutions, please contact Bushnell Customer Service for further assistance.

Specifications

Feature	Detail
Model Name	Bushnell R5 1-6x24 Illuminated DD2-QA Riflescope
Part Number	BU-R5-1624S26
Magnification	1-6x
Objective Lens Diameter	24 mm
Reticle Type	Illuminated DD2-QA

Feature	Detail
Eye Relief	3.5 Inches
Field Of View	17.3 Feet (at 100 yards)
Item Weight	17.3 Ounces
Material	Blend
Color	Black
Waterproof Rating	IPX7
Lens Coating	Fully-Multi Coated with EXO Barrier
Compatible Devices	Rifle
Mounting Type	Ring Mount or Rail Mount (Picatinny, Weaver)
UPC	029757019561

Warranty & Support

Bushnell Lifetime Unconditional Warranty

Bushnell stands behind its products with a Lifetime Unconditional Warranty. This warranty covers workmanship and materials, and is fully transferable, requiring no receipt. It signifies Bushnell's commitment to quality and customer satisfaction.

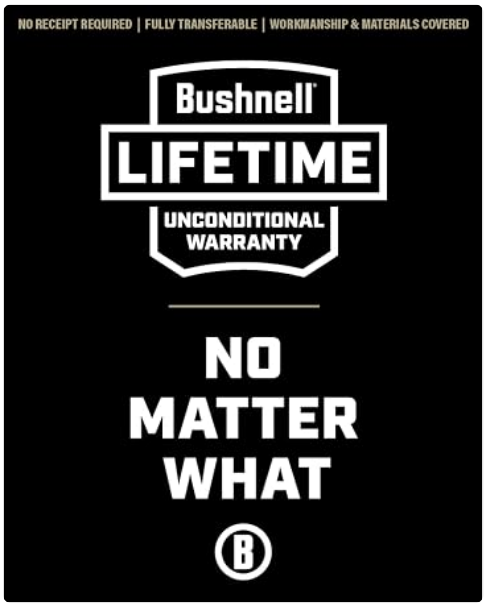


Figure 3: Bushnell Lifetime Unconditional Warranty.

Customer Support

For technical assistance, warranty claims, or any other inquiries regarding your Bushnell R5 Riflescope, please visit the official Bushnell website or contact their customer service department. You can often find detailed FAQs, product registration, and contact information on their support pages.

Online Resources: www.bushnell.com

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