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> [Bushnell Falcon 13-3450 10x50 Binoculars Instruction Manual](#)

Bushnell 13-3450

Bushnell Falcon 13-3450 10x50 Binoculars Instruction Manual

Model: 13-3450

1. INTRODUCTION

Thank you for choosing the Bushnell Falcon 13-3450 10x50 Binoculars. These binoculars are designed to provide clear, magnified views for various outdoor activities, including bird watching, sporting events, and nature observation. Featuring a 10x magnification and 50mm objective lenses, they offer a bright and wide field of view. The "Instant Focus" system allows for quick and easy focusing. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your binoculars.

2. SAFETY INFORMATION

- **Never look directly at the sun through your binoculars.** This can cause severe and permanent eye damage.
- Keep binoculars away from small children to prevent accidental damage or misuse.
- Avoid dropping the binoculars, as this can misalign the optical components.
- Store binoculars in a cool, dry place when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Bushnell Falcon 13-3450 10x50 Binoculars
- Carrying Case
- Neck Strap
- Lens Cloth
- Instruction Manual (this document)

4. PRODUCT OVERVIEW



Figure 1: Bushnell Falcon 13-3450 10x50 Binoculars. This image shows the overall design of the binoculars, including the objective lenses, eyepieces, and the central focusing mechanism.

The Bushnell Falcon 13-3450 binoculars feature a robust design with a dark earth finish. Key components include the objective lenses (50mm), eyepieces, and the unique Instant Focus lever for rapid adjustments. The binoculars are equipped with Porro prisms (BaK-7 type) for a clear and bright image. An eye relief of 9mm is provided, and the exit pupil is 5mm.

5. SETUP

5.1. Attaching the Neck Strap

1. Thread the ends of the provided neck strap through the strap lugs on each side of the binocular body.
2. Secure the strap by feeding it back through the buckle, ensuring it is tightly fastened to prevent accidental drops.

5.2. Adjusting Eyecups

The eyecups can be adjusted to optimize viewing comfort and field of view, especially for eyeglass wearers.

- **For non-eyeglass wearers:** Use the eyecups in the fully extended position.
- **For eyeglass wearers:** Fold down or retract the eyecups to bring your eyes closer to the ocular lenses, allowing for a full field of view.

5.3. Adjusting Interpupillary Distance (IPD)

The interpupillary distance is the distance between the centers of your pupils. Adjusting this ensures a single, circular field of view.

1. Hold the binoculars up to your eyes.
2. Grasp each barrel firmly and move them closer together or further apart until you see a single, clear circular image.

6. OPERATING

6.1. Focusing with Instant Focus

The Bushnell Falcon 13-3450 features an "Instant Focus" lever for quick and precise focusing.

1. Point the binoculars at an object you wish to view.
2. Locate the "Instant Focus" lever, typically positioned near the center hinge.
3. Move the lever back and forth until the image appears sharp and clear. This system allows for rapid adjustments across different distances.

7. MAINTENANCE

7.1. Cleaning Lenses

Proper lens cleaning is crucial to maintain optical clarity.

1. Gently brush away any dust or large particles from the lens surface using a soft lens brush or compressed air.
2. Apply a small amount of lens cleaning fluid (specifically designed for optics) to a clean microfiber lens cloth.
3. Wipe the lens surface in a circular motion, starting from the center and moving outwards.
4. Avoid using abrasive cloths, paper towels, or household cleaners, as these can scratch or damage lens coatings.

7.2. Storage

When not in use, store your binoculars in their protective carrying case in a cool, dry environment. Avoid extreme temperatures and high humidity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurred image	Incorrect focus setting	Adjust the Instant Focus lever until the image is sharp.
Double image or two circles	Interpupillary distance not set correctly	Adjust the binocular barrels until a single, circular field of view is achieved.
Dark edges in view (vignetting)	Eyecups not adjusted for eyeglass wearers	If wearing eyeglasses, retract or fold down the eyecups.
Dust or smudges on lenses	Dirty lenses	Clean lenses carefully using a lens brush and microfiber cloth as described in the Maintenance section.

9. SPECIFICATIONS

Feature	Detail
Model Number	13-3450
Magnification	10x
Objective Lens Diameter	50mm
Field of View (at 1000 yds)	300 ft

Feature	Detail
Eye Relief	9mm
Exit Pupil	5mm
Short Focus	25 ft
Prism Type	BaK-7 Porro
Weight	27 oz (approximately 2 pounds)
Finish	Dark Earth
Product Dimensions	8 x 6 x 8 inches
Special Feature	Lightweight, Portable

10. WARRANTY AND SUPPORT

Bushnell products are manufactured to high standards and are designed to provide reliable performance. For specific warranty information, please refer to the warranty card included with your product or visit the official Bushnell website. For technical support, service, or replacement parts, please contact Bushnell customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Bushnell Website: www.bushnell.com