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Barska AB10172

Barska AB10172 Gladiator 12-60x70 Zoom Binoculars User Manual

Model: AB10172

Introduction

The Barska AB10172 Gladiator 12-60x70 Zoom Binoculars are designed for long-distance observation, offering a wide variable magnification range. These binoculars feature fully multi-coated optics and BK-7 Porro prisms, engineered to provide clear viewing performance. The protective rubber armor enhances durability by shielding the binoculars from minor shocks and impacts, while also providing a secure, non-slip grip. They are suitable for various outdoor activities such as concerts, hiking, and general observation.



Image: The Barska AB10172 Gladiator 12-60x70 Zoom Binoculars, showcasing their robust design.

What's in the Box

Please check the packaging to ensure all items are present:

- Barska AB10172 Gladiator 12-60x70 Zoom Binoculars
- Carrying Case
- Neck Strap
- Lens Caps (Objective and Eyepiece)
- Tripod Adapter



Image: Included accessories, including lens caps, neck strap, and tripod adapter.

Setup

1. Attaching the Neck Strap

1. Thread each end of the neck strap through the strap lugs located on the sides of the binoculars.
2. Secure the strap by feeding it back through the buckle, ensuring it is tightly fastened to prevent accidental drops.

2. Adjusting Eyecups

The eyecups are retractable to accommodate users with or without eyeglasses:

- **For non-eyeglass wearers:** Keep the eyecups extended to block out peripheral light and ensure proper eye relief.
- **For eyeglass wearers:** Retract the eyecups by twisting or pushing them down. This allows your eyes to be closer to the ocular lenses, providing a full field of view.

3. Tripod Mounting

For extended viewing sessions or at higher magnifications, using a tripod is recommended for stability. A tripod adapter is included:

1. Locate the threaded tripod adapter socket on the front hinge of the binoculars, usually covered by a cap. Remove the cap.
2. Screw the included tripod adapter into this socket.
3. Attach the other end of the tripod adapter to your photographic tripod's quick-release plate or mounting screw.
4. Ensure the binoculars are securely fastened to the tripod before use.



Image: Barska AB10172 binoculars shown mounted on a tripod (tripod not included).

Operating

1. Adjusting Interpupillary Distance (IPD)

The interpupillary distance is the distance between the centers of your pupils. To adjust:

1. Hold the binoculars with both hands and look through them.
2. Bend the body of the binoculars at the hinge until you see a single, clear circular field of view.

2. Focusing

These binoculars use a center focus system:

1. Choose an object to observe.
2. Rotate the center focus wheel until the image appears sharp and clear.

3. Zooming

The binoculars feature a variable zoom magnification from 12x to 60x:

1. Locate the zoom lever, typically near the right eyepiece.

2. Move the lever to increase or decrease the magnification.
3. After changing the zoom, you may need to slightly re-adjust the focus using the center focus wheel for optimal clarity.



Image: Close-up view of the eyepiece and zoom lever, showing magnification markings.

Maintenance

Cleaning Lenses

Proper lens cleaning is crucial to maintain optical quality:

1. Gently brush away any dust or loose debris from the lenses using a soft lens brush or compressed air.
2. Apply a small amount of lens cleaning fluid to a clean microfiber lens cloth.
3. Wipe the lenses in a circular motion, starting from the center and moving outwards. Avoid excessive pressure.
4. Do not use abrasive cloths, paper towels, or household cleaners, as these can scratch or damage the lens coatings.

General Care and Storage

- Always store the binoculars in their carrying case when not in use to protect them from dust, dirt, and impacts.

- Keep the lens caps on when storing to prevent dust accumulation and scratches.
- Avoid exposing the binoculars to extreme temperatures or high humidity for prolonged periods.
- Wipe the rubber armor with a damp cloth if it becomes dirty. Avoid using harsh chemicals.

Troubleshooting

Blurry or Unclear Image

- **Check Focus:** Ensure the center focus wheel is properly adjusted for your viewing distance.
- **Adjust IPD:** Verify that the interpupillary distance is correctly set for your eyes, showing a single, circular field of view.
- **Clean Lenses:** Dust or smudges on the objective or ocular lenses can cause blurriness. Clean them carefully as described in the Maintenance section.
- **Lighting Conditions:** Very low light conditions can affect image clarity.

Difficulty Zooming

- **Check Lever Movement:** Ensure the zoom lever moves freely. Do not force it if it feels stiff.
- **Environmental Factors:** Extreme cold can sometimes stiffen moving parts. Allow the binoculars to acclimate to a moderate temperature.

Image Shakes at High Magnification

- This is normal for high-magnification binoculars.
- **Use a Tripod:** For stable viewing at 30x magnification and above, it is highly recommended to mount the binoculars on a tripod using the provided adapter.

Specifications

Model Number	AB10172
Magnification	12-60x
Objective Lens Diameter	70 mm
Prism Type	Porro (BK-7)
Exit Pupil Diameter	5.8 mm (at 12x)
Lens Coating	Fully Multi-Coated
Focus System	Center Focus
Field of View (at 100m)	40m (at 12x)
Minimum Focus Distance	15m
Eye Relief	21 mm
Weight	1.46 kg (51.5 ounces)
Dimensions (L x W x H)	28.96 x 8.13 x 21.08 cm
Material	Rubber (protective coating)
Mounting Type	Tripod Mountable

Warranty and Support

For information regarding warranty coverage, product registration, or technical support, please refer to the official Barska website or contact their customer service directly. Keep your purchase receipt as proof of purchase.
Barska Official Website: www.barska.com

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