

## BUSHMAN Legend 8x30

# Bushman Legend 8x30 Binoculars User Manual

Model: Legend 8x30

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## 1. INTRODUCTION

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Thank you for choosing the Bushman Legend 8x30 Binoculars. These binoculars are designed for clear and comfortable viewing, featuring an 8x magnification and 30mm objective lenses, ideal for various outdoor activities such as nature observation, hiking, and sports events. This manual provides essential information on how to set up, operate, and maintain your binoculars to ensure optimal performance and longevity.

## 2. SAFETY INFORMATION

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- **Do not look directly at the sun:** Never look directly at the sun through your binoculars, as this can cause severe and permanent eye damage.
- **Avoid dropping:** Handle your binoculars with care to prevent damage from drops or impacts.
- **Keep out of reach of children:** Ensure children use the binoculars under adult supervision.
- **Storage:** Store binoculars in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cleaning:** Use only recommended cleaning methods and materials for lenses to avoid scratching.

## 3. PARTS OVERVIEW

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Familiarize yourself with the main components of your Bushman Legend 8x30 Binoculars:



*Figure 3.1: Angled view of the Bushman Legend 8x30 Binoculars, highlighting the objective lenses, eyepieces, and central focus wheel.*

- **Objective Lenses:** The large lenses at the front of the binoculars that gather light.
- **Eyepieces:** The lenses you look through.
- **Center Focus Wheel:** Used to adjust the focus for both eyes simultaneously.
- **Diopter Adjustment Ring:** Located on one of the eyepieces (usually the right), used to compensate for differences in vision between your eyes.
- **Hinge:** Allows adjustment of the interpupillary distance.
- **Neck Strap Lugs:** Points for attaching the neck strap.
- **Tripod Adapter Socket:** A threaded socket (usually under a cap on the front hinge) for mounting the binoculars on a tripod.



Figure 3.2: The Bushman Legend 8x30 Binoculars shown with its complete set of accessories, including a carrying case, neck strap, protective lens caps, and a cleaning cloth.

## 4. SETUP

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### 4.1. Unpacking and Attaching the Neck Strap

1. Carefully remove the binoculars and all accessories from the packaging.
2. Thread the neck strap through the strap lugs on each side of the binoculars. Ensure it is securely fastened to prevent accidental drops.

### 4.2. Adjusting Interpupillary Distance (IPD)

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

1. Hold the binoculars up to your eyes.
2. Bend the binoculars at the hinge until you see a single, clear circular field of view. If you see two overlapping circles, continue adjusting until they merge into one.

### 4.3. Focusing Your Binoculars

The Bushman Legend 8x30 features a center focus system with diopter adjustment.

1. **Adjust the Diopter:** Close your right eye (or cover the right objective lens). Look through the left eyepiece at a distant object. Rotate the center focus wheel until the image in your left eye is sharp and clear.
2. **Adjust for Right Eye:** Now, close your left eye (or cover the left objective lens). Look through the right eyepiece. Rotate the diopter adjustment ring (usually on the right eyepiece) until the image in your right eye is sharp and clear. *Do not use the center focus wheel for this step.*
3. **Fine-tuning:** With both eyes open, use the center focus wheel to focus on objects at varying

distances. The diopter setting should now be correct for your eyes and generally won't need to be readjusted unless a different user uses the binoculars.

## 5. OPERATING YOUR BINOCULARS

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### 5.1. Holding the Binoculars

Hold the binoculars firmly with both hands. For maximum stability, rest your elbows against your body or use a tripod.

### 5.2. Viewing Techniques

- **Locating an Object:** If you have difficulty finding an object, first locate it with your naked eye, then bring the binoculars up to your eyes, aiming in the same direction.
- **Steady Viewing:** For prolonged viewing, consider using a tripod to minimize hand shake and provide a more stable image.

### 5.3. Tripod Mounting

Your Bushman Legend 8x30 Binoculars are tripod mountable for enhanced stability, especially during long observation periods.

1. Locate the tripod adapter socket, usually found under a small cap on the front hinge of the binoculars.
2. Remove the cap.
3. Screw a compatible tripod adapter (sold separately) into the socket.
4. Attach the tripod adapter to your photographic tripod.

## 6. MAINTENANCE

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### 6.1. Cleaning the Lenses

Proper lens cleaning is crucial to maintain image quality. Always use caution to avoid scratching the lens coatings.

1. **Remove Dust:** Gently brush off any dust or loose particles from the lens surfaces using a soft lens brush or blow them off with a can of compressed air (ensure it's safe for optics).
2. **Remove Smudges:** If smudges or fingerprints remain, apply a small amount of lens cleaning fluid to a clean microfiber lens cloth (like the one provided) and gently wipe the lens in a circular motion. Avoid applying fluid directly to the lens.
3. **Do NOT use:** Paper towels, facial tissues, or clothing, as these can scratch the lens coatings.

### 6.2. Cleaning the Body

The rubber-armored body can be wiped clean with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.

### 6.3. Storage

- Always store your binoculars in their protective carrying case when not in use.
- Keep lens caps on to protect the objective and eyepiece lenses from dust and scratches.
- Store in a cool, dry environment to prevent mold growth on lenses and damage to internal components. Avoid areas with high humidity or extreme temperature fluctuations.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Blurred image	Incorrect focus; dirty lenses	Adjust the center focus wheel and diopter. Clean lenses as per maintenance instructions.
Two overlapping images	Incorrect interpupillary distance (IPD)	Adjust the hinge until a single circular field of view is seen.
Image appears dim	Low light conditions; dirty objective lenses	Ensure objective lenses are clean. Binoculars perform best in adequate light.
Difficulty focusing for one eye	Diopter not adjusted correctly	Re-adjust the diopter ring for individual eye focus.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	BUSHMAN
Model	Legend 8x30
Magnification	8x
Objective Lens Diameter	30 mm
Prism Type	Porro Prism
Focus Type	Center Focus
Key Features	Wide Angle Design, UV Protected Lens
Material	Rubber
Mounting Type	Tripod Mount
Water Resistance Level	Not Water Resistant
Specific Uses	Hunting and Shooting, Sports, Nature Walking, Outdoor
Age Range (Description)	Adult

## 9. WARRANTY & SUPPORT

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For information regarding warranty coverage, product support, or service inquiries, please refer to the warranty card included with your purchase or visit the official Bushman website. Keep your proof of purchase for any warranty claims.

