

## Kowa BDII42-8XD

# Kowa BD II XD 8x42 Binoculars Instruction Manual

Model: BDII42-8XD

## INTRODUCTION

Thank you for choosing the Kowa BD II XD 8x42 Binoculars. These binoculars are engineered to provide exceptional optical performance, featuring a wide field of view and impressive close-focus capabilities. Designed for durability and clarity, they incorporate Fluorite-rich XD lenses with KR coating for superior image quality and protection. This manual provides essential information for the proper setup, operation, and maintenance of your binoculars to ensure optimal performance and longevity.

## PRODUCT OVERVIEW

### Key Features:

- **Wide Field of View and Impressive Close Focus:** Experience expansive views and sharp details even at close distances.
- **Fluorite-rich XD Lenses with KR Coating:** High-grade ED (Extra-low Dispersion) lenses reduce chromatic aberration, while Kowa's proprietary KR coating repels dirt and fluid, ensuring clear vision.
- **Magnesium Alloy Body:** Provides a robust yet lightweight construction for enhanced durability and portability.
- **Lightweight and Compact Design:** Easy to handle and carry during extended use.
- **Waterproof and Fogproof:** Nitrogen-purged and O-ring sealed to prevent internal fogging and protect against water ingress in various weather conditions.

### What's in the Box:

- Kowa BD II XD 8x42 Binoculars
- Neck Strap
- Objective Lens Caps
- Eyepiece Rainguard

- Soft Carrying Case
- Lens Cleaning Cloth
- Instruction Manual

## SETUP

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### 1. Attaching the Neck Strap:

Thread the ends of the neck strap through the strap lugs on each side of the binocular body. Ensure the strap is securely fastened and adjusted to a comfortable length for carrying.

### 2. Adjusting Eyecups:

The eyecups can be twisted up or down to provide the correct eye relief. If you wear eyeglasses, twist the eyecups down to their lowest position. If you do not wear eyeglasses, twist the eyecups up until you achieve a full field of view without vignetting (darkening around the edges).

### 3. Adjusting Interpupillary Distance (IPD):

Hold the binoculars up to your eyes and look through them. Adjust the distance between the two barrels by moving them closer together or farther apart until you see a single, clear circular field of view. This ensures both optical paths are aligned with your eyes.



*Figure 1: Front view of the Kowa BD II XD 8x42 Binoculars, showing the objective lenses and central focus wheel.*

#### **4. Diopter Adjustment:**

The diopter adjustment compensates for differences in vision between your left and right eyes.

1. Close your right eye.
2. Look through the left barrel with your left eye at a distant object.
3. Rotate the central focus wheel until the image is sharp and clear.
4. Close your left eye.
5. Look through the right barrel with your right eye.
6. Rotate the diopter adjustment ring (usually located on the right eyepiece) until the image is sharp and clear. Do not use the central focus wheel for this step.

7. Once adjusted, you can use both eyes and the central focus wheel to focus on objects.



Figure 2: Side view of the Kowa BD II XD 8x42 Binoculars, highlighting the textured grip and robust construction.

## OPERATING INSTRUCTIONS

### Viewing and Focusing:

After completing the initial setup, your binoculars are ready for use.

1. Bring the binoculars to your eyes.
2. Locate the object you wish to view.
3. Rotate the central focus wheel until the image appears sharp and clear.
4. For quick adjustments to different distances, simply use the central focus wheel. The diopter setting should remain constant unless your vision changes or another user adjusts it.



*Figure 3: Angled view of the Kowa BD II XD 8x42 Binoculars, showcasing the objective lenses and the Kowa logo.*

## MAINTENANCE

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### Cleaning:

- **Lenses:** Use the provided lens cleaning cloth or a soft, lint-free cloth. For stubborn smudges, use a small amount of lens cleaning fluid specifically designed for optics. Avoid using abrasive cloths or harsh chemicals.
- **Body:** Wipe the binocular body with a soft, damp cloth. Do not use solvents or abrasive cleaners.

### Storage:

Store your binoculars in a cool, dry place away from direct sunlight and extreme temperatures. Always use the objective lens caps and eyepiece rainguard when not in use to protect the lenses from dust and scratches. The provided carrying case offers additional protection during storage and transport.



Figure 4: Top-down view of the Kowa BD II XD 8x42 Binoculars, showing the focus wheel and the Kowa branding.

## TROUBLESHOOTING

### Blurred Image:

- Ensure the central focus wheel is properly adjusted for the viewing distance.
- Verify the diopter adjustment is correctly set for your eyes (refer to "Diopter Adjustment" in the Setup section).
- Check if the lenses are clean and free from smudges or dust.

### Double Image or Two Separate Circles:

- Adjust the interpupillary distance (IPD) by moving the barrels closer or farther apart until a single circular field of view is achieved.

### Internal Fogging:

- While Kowa BD II XD binoculars are nitrogen-purged and fogproof, extreme and rapid temperature changes can sometimes cause temporary external condensation. Allow the binoculars to acclimate to the ambient temperature. If internal fogging persists, contact customer support.

## SPECIFICATIONS

<b>Magnification Maximum</b>	8 x
<b>Objective Lens Diameter</b>	42 Millimeters
<b>Special Feature</b>	Lightweight, Waterproof
<b>Product Dimensions</b>	5.5 x 5 x 2 inches

<b>Item Weight</b>	1.41 pounds
<b>Model Number</b>	BDII42-8XD
<b>Manufacturer</b>	Kowa
<b>Date First Available</b>	September 20, 2019

## WARRANTY AND SUPPORT

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The Kowa BD II XD 8x42 Binoculars come with a **Limited Lifetime Warranty**. For detailed warranty information, product support, or service inquiries, please visit the official Kowa website or contact their customer service department. Keep your proof of purchase for warranty claims.

For further assistance, you may visit the [Kowa Store on Amazon](#).