

[Manuals.plus](#) /

› [SVBONY](#) /

› SVBONY Upgraded SV202 10x42 ED Binocular Instruction Manual

SVBONY SV202 10x42

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Model: SV202 10x42 ED

Brand: SVBONY

1. INTRODUCTION

Thank you for choosing the SVBONY Upgraded SV202 10x42 ED Binocular. This manual provides essential information for the proper setup, operation, and maintenance of your new binoculars. Designed for birdwatching and general outdoor use, these binoculars feature Extra-Low Dispersion (ED) objective lenses, BAK4 prisms, and a Fully Multi-Coated (FMC) optical system to deliver clear, bright, and vibrant images. The IPX7 waterproof rating ensures durability in various weather conditions.

2. WHAT'S IN THE BOX

Upon opening your SVBONY SV202 10x42 ED Binocular package, you should find the following items:

- 1x SV202 10x42 ED Glass Binoculars
- 1x Carrying Bag
- 1x Neck Strap
- 1x Lens Cleaning Cloth
- 2x Lens Covers (Objective and Eyepiece)
- 1x User Manual (this document)

Package Includes

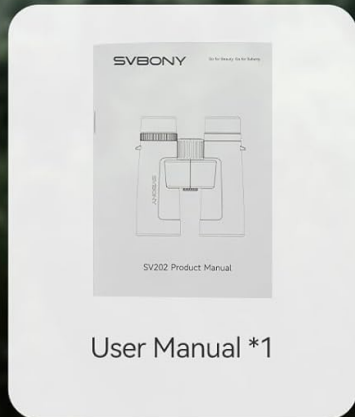
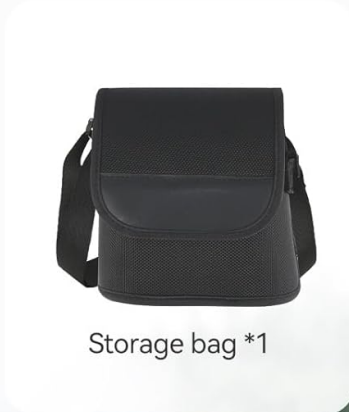


Image: The SVBONY SV202 10x42 ED Binocular, carrying bag, neck strap, lens cleaning cloth, and lens covers are included in the package.

3. KEY FEATURES

The SVBONY SV202 10x42 ED Binocular is engineered with advanced optical technologies and user-friendly design elements:

- **Professional-grade ED optics:** Utilizes ultra-low dispersion (ED) glass to effectively reduce chromatic aberration, ensuring sharp, clear, and vibrant images from center to edge, with excellent low-light performance.
- **Wide field of view:** The 10x42mm configuration provides a 6.5° field of view, facilitating easy tracking of fast-moving subjects and offering an immersive viewing experience.
- **Rugged and durable:** Equipped with IPX7 waterproof rating and a non-slip rubber armor, it is impact-resistant and can withstand various harsh outdoor environments.
- **Ergonomic design:** The lightweight body features adjustable, rotating eyecups for a comfortable viewing experience, whether or not you wear glasses.
- **Superior low-light performance:** The combination of multi-layer coating and phase correction technology ensures bright and detailed images in low-light conditions such as dawn and dusk.
- **Professional-grade detail:** The internal light-masking design effectively suppresses stray light, ensuring true color reproduction and allowing for clear distinction of subtle features.

- **Thoughtful and practical design:** Equipped with a lens cap to prevent loss, and an integrated tripod mount for stable observation over extended periods; smooth focusing and easy to use.

Extra-Low Dispersion Optical Glass

Effectively reduce chromatic aberration and color distortion, provide higher optical clarity.

SV202
Low dispersion



Others
Ordinary dispersion



Image: Illustration of ED Glass lenses reducing dispersion for clearer images compared to ordinary glass.

FMC Coating

Light Transmission > 90%
Enhances light transmission, contrast, and color accuracy, reducing glare and ghosting



Image: Diagram showing FMC Coating enhancing light transmission to over 90%, improving contrast and color accuracy.

Professional BaK-4 Prisms

High-definition imaging with high transmittance



Image: Illustration of a BaK-4 Prism, highlighting its role in high-definition imaging with high transmittance.

IPX7 Waterproof

Superior fog proof and waterproof performance



Image: Binoculars shown with water droplets, illustrating the IPX7 waterproof feature for superior fog and waterproof performance.

Product Videos

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Video: A detailed review of the SVBONY Upgraded SV202 binoculars, highlighting their features and performance for birdwatching.

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Video: A parameter comparison of the SVBONY upgraded SV202 binoculars, showcasing different models and their specifications.

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Video: An overview of the SVBONY upgraded SV202 binoculars, detailing their features and dimensions.

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Video: Demonstrates various usage scenarios for the SVBONY Upgraded SV202 binoculars in outdoor settings.

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Video: An introductory video to the SVBONY Upgraded SV202 Binoculars, highlighting their main features.

4. PRODUCT OVERVIEW

Familiarize yourself with the different parts of your SVBONY SV202 10x42 ED Binocular:

Product Details



Image: Detailed diagram illustrating the Diopter Ring, Central Focusing wheel, Adjustable Ridge, Lanyard Attachment Point, and Threaded Interface of the binoculars.

- **Objective Lenses:** The large front lenses that gather light.
- **Eyepieces:** The lenses you look through.
- **Central Focusing Wheel:** Used to adjust the focus for both eyes simultaneously.
- **Diopter Ring:** Located on one eyepiece, used to compensate for differences in vision between your left and right eye.
- **Twist-up Eyecups:** Adjustable eyecups for comfortable viewing with or without eyeglasses.
- **Lanyard Attachment Points:** Secure points for attaching the neck strap.
- **Tripod Mount (Threaded Interface):** A threaded socket for attaching the binoculars to a tripod adapter for stable viewing.
- **Rubber Armor:** Provides a secure grip and protection against impacts.

5. SETUP AND FIRST USE

Follow these steps to set up your binoculars for optimal viewing:

1. **Adjust Interpupillary Distance:** Hold the binoculars with both hands and look through them. Bend the binoculars at the hinge until you see a single, clear circular field of view. This adjusts the distance between the eyepieces to match your eyes.

2. Adjust Eyecups:

- *Without Eyeglasses:* Twist the eyecups counter-clockwise until they are fully extended.
- *With Eyeglasses:* Twist the eyecups clockwise until they are fully retracted.

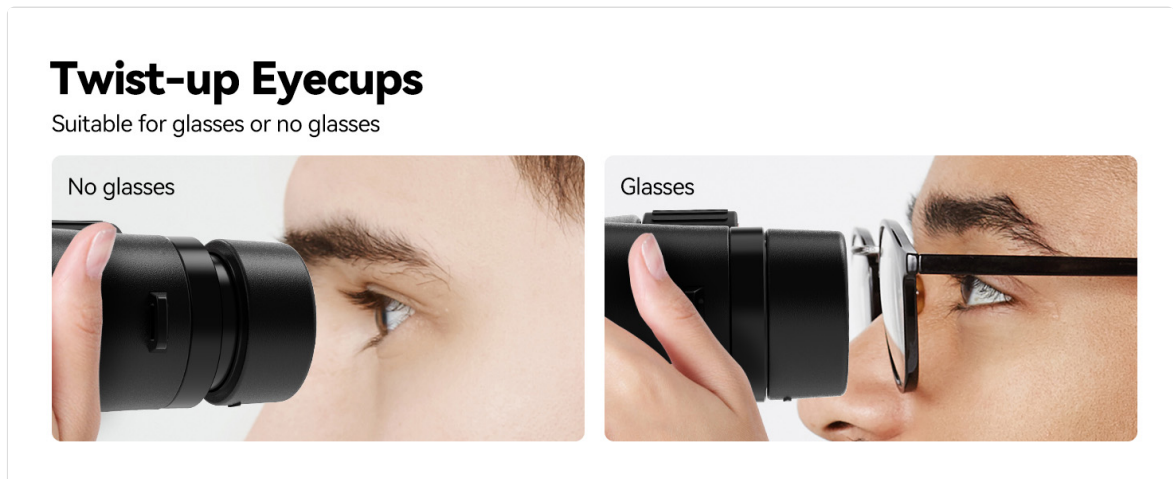


Image: Demonstrates how to adjust twist-up eyecups for comfortable viewing, whether wearing glasses or not.

3. Diopter Adjustment:

- Close your right eye and look through the left eyepiece with your left eye. Rotate the central focusing wheel until the image is sharp.
- Close your left eye and look through the right eyepiece with your right eye. Rotate the diopter ring (located on the right eyepiece) until the image is sharp.
- Now, with both eyes open, the image should be clear and focused. For future use, you will only need to adjust the central focusing wheel.

Product Details



Image: A close-up view of the diopter ring, indicating it needs readjustment after adjusting the eyepiece.

6. OPERATING INSTRUCTIONS

Once set up, operating your binoculars is straightforward:

1. **Focusing:** After initial diopter adjustment, simply use the central focusing wheel to bring objects at varying distances into sharp focus.
2. **Viewing:** Bring the binoculars to your eyes, ensuring your eyes are comfortably positioned against the eyecups. Scan the area and use the central focusing wheel to sharpen the image of your desired subject.
3. **Tripod Mounting:** For extended viewing sessions or to reduce hand shake, your binoculars can be mounted on a tripod. Unscrew the cap on the front hinge of the binoculars to reveal the threaded interface. Attach a compatible tripod adapter (not included) to this thread, and then mount the adapter onto your tripod.

7. MAINTENANCE

Proper care will ensure the longevity and performance of your binoculars:

- **Cleaning Lenses:**

- First, use a soft brush or compressed air to remove any dust or large particles from the lens surfaces.
- Then, use the provided lens cleaning cloth or a clean, soft microfiber cloth. Breathe lightly on the lenses to create a slight fog, then gently wipe the lenses in a circular motion. Avoid excessive pressure.

- Do not use abrasive cloths, paper towels, or harsh chemicals, as these can scratch or damage the lens coatings.
- **Cleaning Body:** Wipe the rubber armor and body with a soft, damp cloth. Avoid using solvents or harsh cleaners.
- **Storage:** When not in use, store your binoculars in the provided carrying bag in a cool, dry place. Avoid extreme temperatures and high humidity. Ensure lens caps are in place to protect the lenses from dust and scratches.
- **Waterproof Care:** While IPX7 waterproof, avoid submerging the binoculars unnecessarily. If they get wet, wipe them dry with a soft cloth. Do not attempt to open the binoculars, as this will compromise the waterproof seal and void the warranty.

8. TROUBLESHOOTING

If you encounter any issues, refer to the following common troubleshooting tips:

- **Blurry Image:**
 - Ensure the central focusing wheel is properly adjusted for the distance of your subject.
 - Re-adjust the diopter setting (Section 5, Step 3) to match your individual eye strength.
 - Check if the objective lenses or eyepieces are dirty and clean them as per maintenance instructions.
- **Double Image or Eye Strain:**
 - Adjust the interpupillary distance (Section 5, Step 1) until you see a single, merged image.
 - Ensure your eyes are centered on the eyepieces and the eyecups are adjusted correctly for your viewing preference (with or without glasses).
 - If persistent, contact customer support.
- **Fogging Inside Lenses:**
 - This can occur due to rapid temperature changes. Allow the binoculars to acclimate to the ambient temperature.
 - If persistent, contact customer support. Do not attempt to disassemble the binoculars.

9. SPECIFICATIONS

Detailed technical specifications for your SVBONY SV202 10x42 ED Binocular:

Feature	Specification
Brand	SVBONY
Model Name	Fw9310B (SV202 10x42 ED)
Magnification Maximum	10 x
Objective Lens Diameter	42 Millimeters
Prism Type	Roof Prism (BAK4)
Coating	Fully Multi-Coated (FMC)

Feature	Specification
Eye Relief	15.2 Millimeters
Exit-Pupil Diameter	4.27 Millimeters
Field of View	6.5 Degrees
Apparent Angle of View	8 Degrees
Water Resistance Level	IPX7 Waterproof
Focus Type	Manual Focus (Central Focusing Knob)
Diopter Adjustment Range	+/-3 diopters
Low Light Technology	Yes, can be used in low-light and dim environments
Enclosure Material	Rubber
Color	Black
Item Weight	679 Grams
Item Dimensions L x W x H	3.2"L x 7.7"W x 7.9"H



Image: Detailed dimensions of the SVBONY SV202 10x42 ED Binocular, including length, width, and height measurements.

10. WARRANTY AND SUPPORT

SVBONY provides a lifetime warranty for spotting scopes, monoculars, binoculars, and microscopes. Additionally, there is a 30-day no-reason return policy. Beyond the warranty period, maintenance services are still offered, with buyers responsible for corresponding costs. For any support or warranty claims, please contact SVBONY customer service on Amazon. They aim to reply within 12 hours.