

ESSLNB B07MYSZP1M

ESSLNB Binoculars User Manual

Model: B07MYSZP1M

1. PRODUCT OVERVIEW

The ESSLNB Binoculars are designed for adults, featuring a compact and waterproof construction with BAK4 prisms and 42mm FMC objective lenses. They are suitable for various outdoor activities such as bird watching, hunting, and boating. This manual provides essential information for the proper use and care of your binoculars.



Image 1.1: Front view of the ESSLNB Binoculars, showcasing the main unit and the included phone adapter.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- ESSLNB Binoculars
- Phone Adapter
- Carrying Bag
- Neck Strap
- Lens Cleaning Cloth
- Objective Lens Caps
- Eyepiece Caps
- Instruction Manual (this document)

1 Packing Box

2 Storage Bag

3 Binocular

4 Instructions

5 Straps

6 Cleaning Cloth

7 Objective Cap

8 Eyepiece Cap

9 Phone Adapter

ACCESSORIES

Easy installation and easy operation.



Image 2.1: A visual representation of the binoculars and all included accessories, such as the carrying bag, straps, lens caps, and phone adapter.

3. SETUP AND INITIAL USE

3.1 Attaching the Neck Strap

1. Thread each end of the neck strap through the strap lugs located on the sides of the binocular body.
2. Secure the strap ends according to the strap's design, ensuring it is firmly attached to prevent accidental drops.

3.2 Adjusting Eyecups

The binoculars feature twist-up eyecups for comfortable viewing with or without eyeglasses.

- **For users without eyeglasses:** Twist the eyecups counter-clockwise until they are fully extended. This positions your eyes at the optimal distance from the eyepieces.
- **For users with eyeglasses:** Twist the eyecups clockwise until they are fully retracted. This allows your eyeglasses to be closer to the eyepieces, providing a full field of view.

ADJUSTABLE EYE CUPS

Twist up the eye-cups if you wear glasses which can keep the distance between your glasses and the lens for comfortable viewing.



Image 3.1: Close-up view illustrating the twist-up mechanism of the eyecups for adjusting eye relief.

3.3 Interpupillary Distance Adjustment

The interpupillary distance (the distance between your pupils) varies among individuals. To adjust:

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

3.4 Focusing the Binoculars

To achieve a sharp image:

1. Close your right eye and look through the left eyepiece. Rotate the central focusing wheel until the image is sharp.
2. Close your left eye and look through the right eyepiece. Rotate the diopter adjustment ring (located on

the right eyepiece) until the image is sharp.

3. Now, with both eyes open, use only the central focusing wheel to focus on objects at varying distances. The diopter setting should remain constant for your vision.

3.5 Using the Phone Adapter

The included phone adapter allows you to capture photos and videos through the binoculars.

1. Attach the phone adapter to one of the binocular eyepieces.
2. Secure your smartphone into the adapter, ensuring the phone's camera lens is aligned with the binocular eyepiece.
3. Adjust the phone's position and zoom to eliminate vignetting and achieve a full view.
4. Use your phone's camera app to capture images or record videos.



Image 3.2: The binoculars shown with a smartphone mounted on the included adapter, ready for capturing distant views.

3.6 Tripod Mounting

For extended viewing or increased stability, the binoculars can be mounted on a tripod using a binocular tripod adapter (sold separately).

- Locate the 1/4"-20 threaded socket on the front hinge of the binoculars.
- Screw the binocular tripod adapter into this socket.
- Attach the adapter to your tripod's quick-release plate or mounting screw.

4. OPTICAL FEATURES AND PERFORMANCE

4.1 BAK4 Prisms

These binoculars utilize BAK4 (Barium Crown Glass) roof prisms. BAK4 prisms are known for their high refractive index and produce nearly perfect circular exit pupils, resulting in brighter, clearer, and sharper images with increased contrast and resolution compared to less expensive BK7 prisms.



Image 4.1: Diagram illustrating the internal BAK4 prism system, highlighting its role in light transmission and image clarity.

4.2 Fully Multi-Coated (FMC) Lenses

The 42mm objective lenses are Fully Multi-Coated (FMC). This means multiple layers of anti-reflective coatings are applied to all air-to-glass surfaces. FMC lenses significantly reduce light loss and glare, enhancing light transmission for brighter, higher-contrast images with true-to-life color fidelity, especially in low-light conditions.



42mm
APERTURE

LARGE APERTURE & FULLY MULTI GREEN COATED

Fully multi green-coated lenses with low light reflection which increases light transmission to offer brighter and clearer images. 42mm Large aperture provides wide field of view.

Coating Type	Light Transmission
Fmc Multi Green-coated	99.5%
Broad Green-coated	90%
Single Green-coated	80%
Broad Blue-coated	60%
Decorate Green-coated	40%

Image 4.2: Visual representation of the 42mm objective lenses with green multi-coatings, emphasizing light gathering capability.

4.3 Field of View and Close Focus

These binoculars offer a wide field of view of 388ft/1000yds, allowing for efficient observation of large areas. The close focus distance of 6.5 feet enables detailed viewing of nearby subjects.

5. CARE AND MAINTENANCE

5.1 Cleaning the Lenses

To clean the lenses:

1. Gently brush away any dust or debris using a soft lens brush or compressed air.
2. Apply a small amount of lens cleaning fluid to the included cleaning cloth or a specialized optical cleaning cloth.
3. Wipe the lens surfaces 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.

5.2 Waterproof and Fogproof Design

The binoculars are IPX7 waterproof, meaning they can withstand immersion in water up to 1.5 meters for 30 minutes. They are also dry nitrogen-filled and O-ring sealed to prevent internal fogging in varying temperatures and humid conditions. While designed for durability in harsh environments, avoid unnecessary exposure to extreme conditions.



Image 5.1: The binoculars submerged in water, demonstrating their IPX7 waterproof rating.

5.3 Storage

When not in use, store the binoculars in their protective carrying bag in a cool, dry place. Ensure lens caps are in place to protect the optical surfaces from dust and scratches.

6. TROUBLESHOOTING

If you encounter issues with your ESSLNB Binoculars, refer to the following common problems and solutions:

- **Blurred Image:** Ensure both the central focusing wheel and the diopter adjustment ring are correctly set

for your vision and the distance to the object. Refer to Section 3.4 for focusing instructions.

- **Double Image:** Adjust the interpupillary distance by bending the binocular body at the hinge until a single, clear circular field of view is achieved. Refer to Section 3.3.
- **Dark or Uneven Image:** Check that the objective lens caps have been removed. Ensure lenses are clean and free from obstructions.
- **Difficulty with Phone Adapter:** Verify that the phone's camera lens is perfectly aligned with the binocular eyepiece and that the phone is securely mounted. Adjust the phone's position slightly to eliminate vignetting.

If problems persist, please contact ESSLNB customer support for further assistance.

7. SPECIFICATIONS

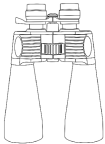



Feature	Specification
Brand	ESSLNB
Model Number	B07MYSZP1M
Magnification	8x
Objective Lens Diameter	42 mm
Prism Type	BAK4 Roof Prism
Lens Coating	Fully Multi-Coated (FMC)
Field of View	388 ft / 1000 yds
Close Focus	6.5 feet
Waterproof Rating	IPX7 (1.5m for 30 minutes)
Fogproof	Nitrogen-filled
Product Dimensions	5.31 x 4.92 x 0.04 inches
Item Weight	1.48 pounds
Age Range (Description)	Adult

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official ESSLNB website or contact their customer service department. Contact details are typically provided on the product packaging or the brand's official online presence.

You can visit the [ESSLNB Store on Amazon](#) for more product information and support resources.

Related Documents - B07MYSZP1M

 <p>ESSLNB Zoom binoculars 13-39x70</p>	<p>ESSLNB 13-39x70 Zoom Binoculars User Guide</p> <p>A comprehensive guide on how to use and care for your ESSLNB 13-39x70 Zoom Binoculars, including instructions for IPD adjustment, focusing, lens care, and phone adapter installation.</p>
 <p>ESSLNB 700X70mm ASTRONOMICAL TELESCOPE INSTRUCTION MANUAL</p>	<p>ESSLNB 700x70mm Astronomical Telescope Instruction Manual</p> <p>Comprehensive instruction manual for the ESSLNB 700x70mm Astronomical Telescope, covering assembly, usage, maintenance, and tips for optimal stargazing.</p>
 <p>ESSLNB 360 X70mm ASTRONOMICAL TELESCOPE INSTRUCTION MANUAL</p>	<p>ESSLNB 360x70mm Astronomical Telescope Instruction Manual</p> <p>Comprehensive instruction manual for the ESSLNB 360x70mm astronomical telescope, covering assembly, usage, finderscope adjustment, specifications, and care.</p>
 <p>ESSLNB 700X70mm ASTRONOMICAL TELESCOPE INSTRUCTION MANUAL</p>	<p>ESSLNB 700x70mm Astronomical Telescope Instruction Manual</p> <p>Comprehensive instruction manual for the ESSLNB 700x70mm astronomical telescope, covering assembly, usage, magnification, and maintenance for optimal celestial viewing. Includes detailed steps and safety warnings.</p>