

[Manuals.plus](#) /

› [ESSLNB](#) /

› ESSLNB 20x80 Astronomy Binoculars ES3080 User Manual

ESSLNB ES3080

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INTRODUCTION

Thank you for choosing the ESSLNB 20x80 Astronomy Binoculars. These high-powered binoculars are designed for adults and are ideal for a variety of outdoor activities including bird watching, travel, and stargazing. Featuring an 80mm large objective lens and 20x magnification, they provide clear, bright views even in low-light conditions. This manual provides essential information for the proper setup, operation, and maintenance of your binoculars to ensure optimal performance and longevity.

WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- ESSLNB 20x80 Binoculars
- Tripod Mounting Adapter
- Carrying Bag
- Shoulder Strap
- Objective Lens Covers
- Eyepiece Covers
- Cleaning Cloth
- Instruction Manual

1.Storage Bag

2.Binocular

3.Cleaning Cloth

4.Objective Cover

5.Eyepiece Cover

6.Shoulder Strap

7.Instruction



Image: All items included in the ESSLNB 20x80 Binoculars package.

PRODUCT FEATURES

- **80mm Large Objective Lens:** Provides a wider field of view and enhanced light transmission for brighter, clearer images, especially in low-light conditions.
- **20X Magnification:** Offers powerful zoom for detailed long-distance observation of terrestrial objects and celestial bodies.
- **Fully Multi-Coated Lenses & BAK4 Prisms:** Ensures superior light transmission, high contrast, and reduced chromatic aberration for crystal-clear views.
- **Waterproof Design:** Rugged armored housing protects the binoculars from damage and allows for use in various weather conditions.
- **Built-in Tripod Adapter:** Allows for stable, hands-free viewing by mounting the binoculars on any conventional photographic tripod.
- **Easy to Use:** Features a central focus wheel for quick and precise focusing.
- **Wide Field of View:** 177ft at 1000 yards (6.8 degrees) for expansive observation.
- **Comfortable Eye Relief:** 17.5mm eye relief for comfortable viewing, even for eyeglass wearers.

**Fully multi-coated lens and BAK4 prisms provide
a clearer image with high transmission.**

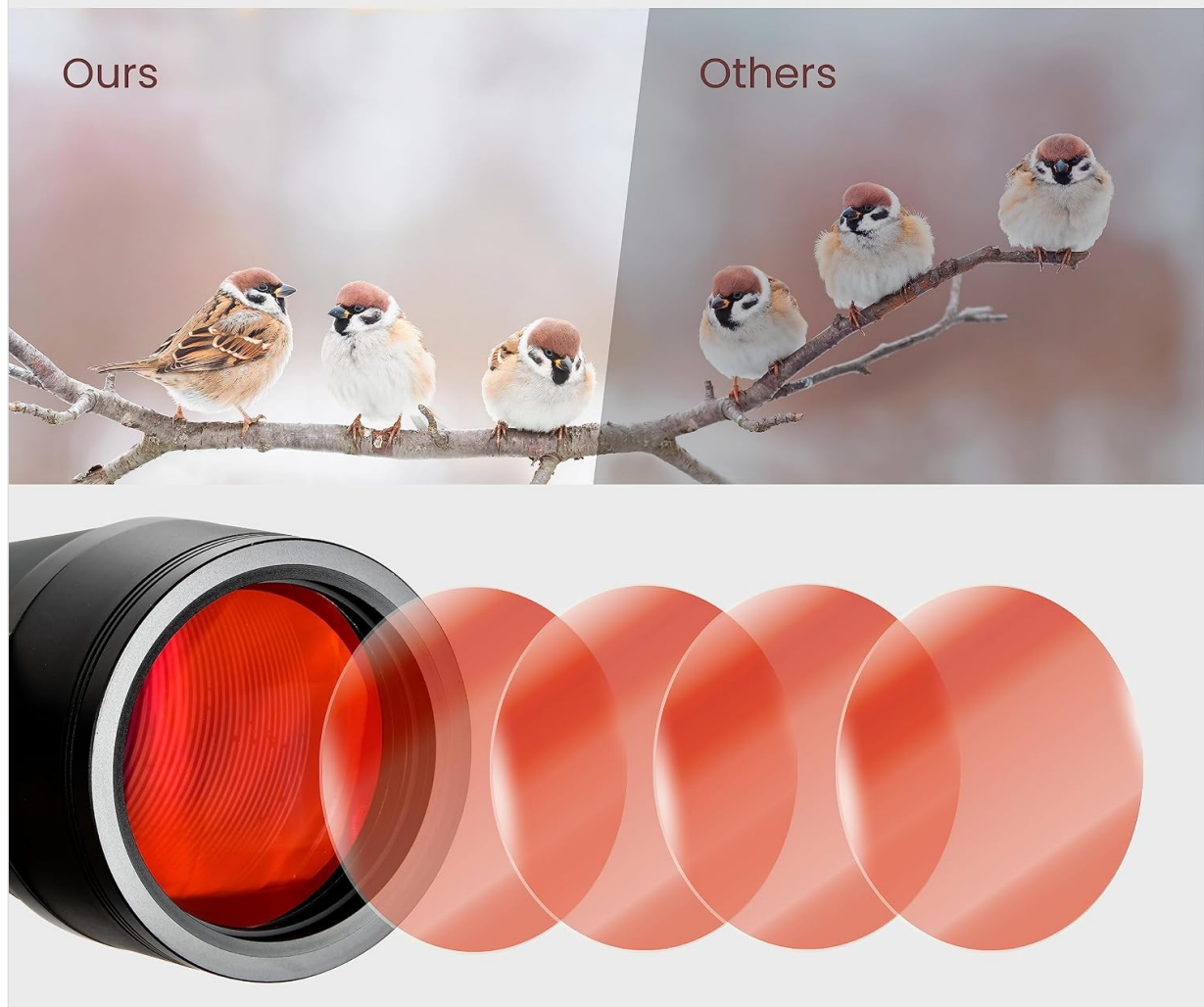


Image: Enhanced clarity with fully multi-coated lenses and BAK4 prisms.

80mm Large Objective Lens for Wider and Clearer View



Image: 80mm large objective lens for a wider and clearer view.

20X Magnification



Image: 20X magnification for detailed observation.

SETUP

1. **Unpacking:** Carefully remove the binoculars and all accessories from the carrying case.
2. **Attach Shoulder Strap:** Securely attach the provided shoulder strap to the designated loops on the binoculars for convenient carrying.
3. **Adjust Interpupillary Distance:** Hold the binoculars with both hands and look through the eyepieces. Adjust the distance between the two barrels until you see a single, circular field of view.
4. **Focusing (Initial Setup):**
 - **Step 1 (Left Eye):** Close your right eye and look through the left eyepiece. Rotate the central focus wheel until the image is clear and sharp.
 - **Step 2 (Right Eye):** Close your left eye and look through the right eyepiece. Rotate the diopter adjustment ring on the right eyepiece until the image is clear and sharp.
 - Once both eyes are individually focused, use only the central focus wheel for general focusing on different distances.
5. **Attaching Tripod Adapter:** If using a tripod, remove the cap covering the tripod adapter thread on the

central axis of the binoculars. Screw the tripod mounting adapter into this thread, then attach the adapter to your tripod.

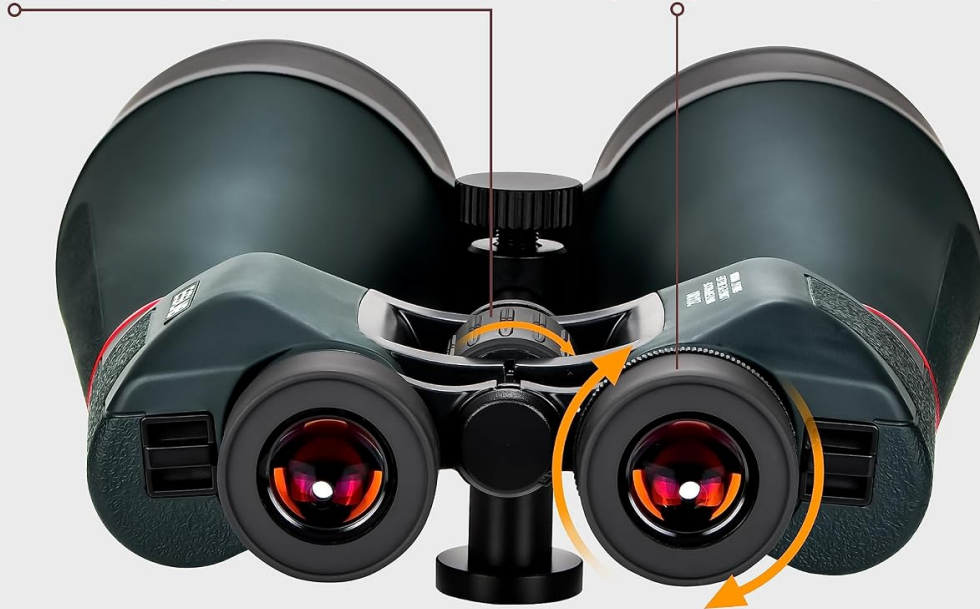
Easy to Use

• Step 1

Adjust the central focus wheel until the left sight is clear.

• Step 2

Adjust the right eye lens until getting a clear image.



Adjust the barrels until getting a single circular field.



Image: Steps for adjusting focus on the ESSLNB binoculars.

Our binoculars come with a built-in tripod adapter for mounting on tripods and monopods (Tripod not included).

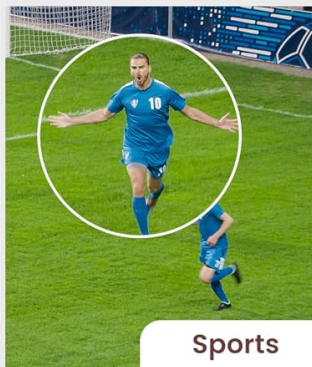


Image: Built-in tripod adapter for stable viewing.

OPERATING INSTRUCTIONS

After completing the initial setup, your ESSLNB 20x80 binoculars are ready for use. Follow these steps for optimal viewing:

1. **Remove Lens Covers:** Take off both the objective lens covers and eyepiece covers.
2. **Adjust Eyecups:** If you wear eyeglasses, twist down the eyecups. If you do not wear eyeglasses, twist them up to the desired comfortable position.
3. **Observe:** Point the binoculars towards your desired subject. Use the central focus wheel to bring the image into sharp focus.
4. **Tripod Use:** For extended viewing sessions or high-magnification observation, especially for stargazing, using a tripod is highly recommended to minimize shake and provide a steady image.

Product Dimension & Weight

Item Weight: **5.09lbs/2.31kg**



Image: User observing with ESSLNB binoculars.

MAINTENANCE

Proper care and maintenance will extend the life of your binoculars and ensure continued clear viewing.

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optics. Gently wipe the lens surfaces. For stubborn smudges, use a small amount of lens cleaning fluid on the cloth, not directly on the lens.
- **Cleaning Body:** Wipe the rubber armored body with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the binoculars in their carrying bag in a cool, dry place when not in use. Ensure lens covers are in place to protect the optics from dust and scratches.
- **Waterproof Care:** While waterproof, avoid submerging the binoculars. If they get wet, wipe them dry thoroughly before storing.

TROUBLESHOOTING

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

• **Blurry Image / Difficulty Focusing:**

- Ensure both the central focus wheel and the right eyepiece diopter adjustment are correctly set for your vision (refer to 'Setup' section).
- Check that the objective and eyepiece lens covers are fully removed.
- Clean the lenses if they are dirty or smudged.

• **Double Vision:**

- Adjust the interpupillary distance (distance between the barrels) until you see a single, merged image.
- Re-adjust the diopter setting for your right eye.

• **Unstable Image:**

- At 20x magnification, even slight hand movements can cause image shake. Use a tripod for stability, especially for prolonged viewing.
- Ensure the tripod and tripod adapter are securely fastened.

• **Fogging Lenses:**

- This can occur due to rapid temperature changes. Allow the binoculars to acclimate to the ambient temperature.
- While the binoculars are waterproof, internal fogging can still happen in extreme conditions. If persistent, contact customer support.

SPECIFICATIONS

Feature	Specification
Brand	ESSLNB
Model Number	ES3080
Magnification	20x
Objective Lens Diameter	80 mm
Prism Type	Porro Prism (BAK4)
Coating	Fully Multi-Coated
Field of View	6.8 Degrees (177 ft at 1000 yards)
Eye Relief	17.5 mm
Exit-Pupil Diameter	4 mm
Focus Type	Center Focus
Diopter Adjustment Range	+/-5 diopters
Water Resistance Level	Waterproof
Mount Type	Tripod Mount (Built-in adapter)

Item Dimensions (L x W x H)	12.6"L x 8.98"W x 4.53"H
Item Weight	5.09 lbs (2.31 kg)
Enclosure Material	Rubber

Product Dimension & Weight

Item Weight: 5.09lbs/2.31kg



Image: Product dimensions and weight.

WARRANTY AND SUPPORT

Your ESSLNB 20x80 Astronomy Binoculars come with a **2-year warranty** from the date of purchase, covering manufacturing defects and workmanship. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or any questions regarding your product, please visit the official ESSLNB Store or contact their customer service through the retailer where you purchased the item. You can find more information and contact details on the [ESSLNB Brand Store](#).