



EXCURSION SERIES 42MM OPEN BRIDGE ROOF BINOCULARS

INSTRUCTION MANUAL



80-76520
8X42

80-76530
10X42



WARNING:
SUN HAZARD – Never look directly at the sun with this device.
The lens contains lead that may be harmful. Wash hands after touching.



WARNING:
This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW THE INSTRUCTIONS BEFORE USE.
KEEP THESE INSTRUCTIONS FOR LATER USE.



• **SUN WARNING: WARNING: NEVER ATTEMPT TO OBSERVE THE SUN WITH THIS DEVICE! OBSERVING THE SUN – EVEN FOR A MOMENT – WILL CAUSE INSTANT AND IRREVERSIBLE DAMAGE TO YOUR EYE OR EVEN BLINDNESS.** EYE DAMAGE IS OFTEN PAINLESS, SO THERE IS NO WARNING TO THE OBSERVER THAT THE DAMAGE HAS OCCURRED UNTIL IT IS TOO LATE. DO NOT POINT THE DEVICE AT OR NEAR THE SUN. DO NOT LOOK THROUGH THE DEVICE AS IT IS MOVING. CHILDREN SHOULD ALWAYS HAVE ADULT SUPERVISION WHILE OBSERVING.

• **RESPECT PRIVACY:** WHEN USING THIS DEVICE, RESPECT THE PRIVACY OF OTHER PEOPLE. FOR EXAMPLE, DO NOT USE IT TO LOOK INTO PEOPLE’S HOMES.



• **CHOKING HAZARD:** CHILDREN SHOULD ONLY USE DEVICE UNDER ADULT SUPERVISION. KEEP PACKAGING MATERIALS LIKE PLASTIC BAGS AND RUBBER BANDS OUT OF THE REACH OF CHILDREN AS THESE MATERIALS POSE A CHOKING HAZARD.

• **RISK OF BLINDNESS:** NEVER USE THIS DEVICE TO LOOK DIRECTLY AT THE SUN OR IN THE DIRECT PROXIMITY OF THE SUN. DOING SO MAY RESULT IN A PERMANENT LOSS OF VISION.

• **RISK OF FIRE:** DO NOT PLACE DEVICE, PARTICULARLY THE LENSES, IN DIRECT SUNLIGHT. THE CONCENTRATION OF LIGHT RAYS COULD CAUSE A FIRE.

• **DO NOT DISASSEMBLE THIS DEVICE:** IN THE EVENT OF A DEFECT, PLEASE CONTACT YOUR DEALER. THE DEALER WILL CONTACT THE CUSTOMER SERVICE DEPARTMENT AND CAN SEND THE DEVICE IN TO BE REPAIRED IF NECESSARY.

• **DO NOT SUBJECT THE DEVICE TO TEMPERATURES EXCEEDING 60 °C (140 °F).**



• **DISPOSAL:** KEEP PACKAGING MATERIALS, LIKE PLASTIC BAGS AND RUBBER BANDS, AWAY FROM CHILDREN AS THEY POSE A RISK OF SUFFOCATION. DISPOSE OF PACKAGING MATERIALS AS LEGALLY REQUIRED. CONSULT THE LOCAL AUTHORITY ON THE MATTER IF NECESSARY AND RECYCLE MATERIALS WHEN POSSIBLE.

Customer Service: Call 1-866-252-3811



Parts

- 01. Ocular Lens
- 02. Center Focus
- 03. Rubber Eyecup
- 04. Diopter
- 05. Strap Attachment
- 06. Objective Lens
- 07. Tripod Adapter Socket



WARNING:
SUN HAZARD – Never look directly at the sun with this device.

Eyecup Adjustment

Diagram may vary.



Twisted Eyecup



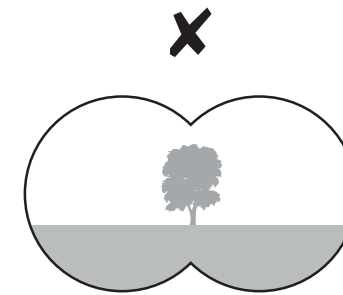
Rolled Eyecup

Your binocular is fitted with eyecups which can be rolled or twisted up or down (depending on your model) to optimize the view for your eyes and to exclude extraneous light. If you are not wearing eyeglasses or sunglasses, keep the eyecups fully extended (“up” position). If you are wearing glasses, roll down the eyecups or twist them to the down position. This will bring your eyes closer to the binocular’s eyepiece (ocular) lens to ensure you can see the entire image (full field of view with no “cutoff” or “tunnel vision”).

IPD (Interpupillary Distance) Adjustment

The distance or spacing between the center of the pupils, called “interpupillary distance” (IPD) varies from person to person. To adjust the binocular to match your eyes, follow these simple steps:

1. Hold your binocular in the normal viewing position. Grasp each barrel firmly.
2. Move the barrels closer together or further apart until you see a single circular field (don’t worry about focus yet).
3. Always re-set your binocular to this position before using it.

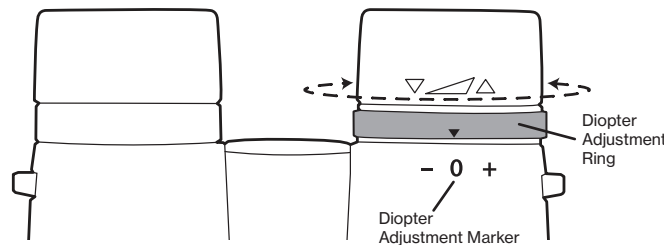


Continue →

Diopter Adjustment and Focusing

1. Adjust eyecups interpupillary distance as described in the previous sections.
2. Set the diopter adjustment ring to zero and view a distant object.
3. Keep both eyes open at all times.
4. Using a lens cover or your hand, cover the objective (front) lens of the same side of the binocular that has the diopter adjustment ring. This is usually the right side.
5. Using the center focus wheel, focus on a distant object with fine detail (e.g., brick wall, tree branches, etc.) until it appears as sharp as possible.
6. Uncover the objective lens on the diopter side, cover the other objective lens, the left side, then view the same object.
7. Using the diopter adjustment ring, move the dipoter adjustment marker to the “+” or “-” till you reach focus.

Caution should be used as over turning or forcing the diopter ring can cause damage or cause the eyepiece to break away from the chassis.



8. Your binocular should now be adjusted for your eyesight. Focusing for any distance can now be done simply by turning the center focus wheel. Make a note of your diopter setting for future reference.

Neckstrap Attachment

To securely attach your binocular to the binocular strap:

1. Thread the end of the strap from the bottom up through the strap attachment loop.
2. Hold the buckle and thread the end of the strap inside the buckle.
3. Adjust the overall length and pull the strap webbing tight so it is secure within the buckle.

Waterproof / Fogproof Models (*this will be noted on the product packaging*)

National Geographic binoculars are designed and built utilizing the latest waterproof and fogproof technology. Waterproof models are O-ring sealed for complete moisture protection. Fogproof protection is achieved from dry nitrogen purging that removes all internal moisture.

Water-Resistant Models (*this will be noted on the product packaging*)

Binoculars that are water-resistant have a housing that protects the binocular from minor exposure to damp conditions such as mist or splashes and are not protected from full submergence in water.

Tripod Mounting (*tripod and tripod adapter not included*)

To attach the binocular to a tripod or mono-pod, unscrew (counter-clockwise) the cap which covers the threaded socket at the far end of the center hinge, and set it aside in a safe place. Use a compatible binocular tripod adapter accessory to attach your binocular to any standard tripod in a horizontal position to provide a stable image during prolonged viewing.

Care and Cleaning

Your binocular will provide years of trouble-free service if it receives the normal care you would give any fine optical instrument.

- Do not expose non-waterproof models to heavy rain or other excessive moisture.
- If your binocular has roll-down, flexible eyecups, store it with the eyecups up. This avoids excessive stress and wear on the eyecups in the down position.
- Avoid sharp impacts. Use the included neckstrap to avoid accidentally dropping the binoculars to prevent mis-alignment of the optics.
- When not using them, store your binoculars in the provided case in a cool, dry place.
- Avoid storing the binoculars in hot places, such as the passenger compartment of a vehicle on a hot day. The high temperature could adversely affect the lubricants and sealants. Never leave the binocular where direct sunlight can enter either the objective or the eyepiece lens. Damage may result from the concentration (burning glass effect) of the sun's rays.
- All moving parts of the binocular are permanently lubricated. Do not try to lubricate them.

To Clean Your Binoculars Lenses

1. Blow away any dust or debris on the lens (or use a soft lens brush).
2. To remove fingerprints or other smears, clean with a soft cotton cloth rubbing in a circular motion. A “microfiber” cleaning cloth (available from camera or computer retailers) is ideal for the routine cleaning of your optics.
3. For a more thorough cleaning, photographic lens tissue and photographic-type lens cleaning fluid or isopropyl alcohol may be used. Always apply the fluid to the cleaning cloth – never directly on the lens.



©2021 National Geographic Partners LLC. All rights reserved.
NATIONAL GEOGRAPHIC and Yellow Border Design are trademarks of the
National Geographic Society, used under license.

©2021 Explore Scientific, LLC
1010 S. 48th Street, Springdale AR 72762.
All rights reserved. Made in China.
explorescientific.com | 866.252.3811

Contents, colors and specifications may vary.