

BUSHNELL



**INSTRUCTION MANUAL
MANUEL D'INSTRUCTIONS
MANUAL DE INSTRUCCIONES
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CONGRATULATIONS on the purchase of your new Bushnell binocular. Your binocular is a precision instrument designed to provide many years of pleasurable viewing. This manual will help you achieve optimum performance by explaining how you can adjust the binocular to your eyes, and how to care for this instrument. Read the instructions carefully before using your binocular.

EYE ADJUSTMENTS (Figure 1)

How to Adjust for Distance Between Your Eyes

The distance between the eyes, called "interpupillary distance," varies from person to person. To achieve perfect alignment of lens to eyes, follow these simple steps:

1. Hold your binocular in the normal viewing position.
2. Grasp each barrel firmly. Move the barrels closer together or further apart until you see a single circular field. Always re-set your binocular to this position before using.

How to Adjust for Individual Eye Strength

As individual eyesight varies from one person to another, most Bushnell binoculars have a diopter setting feature which allows you to fine-tune the binocular to your vision. Follow the focusing instructions below for your type of binocular.

FOCUSING

Bushnell binoculars have one of two focusing systems: Center or "Insta-Focus".

- Center Focus has a central focusing wheel between the barrels.
- "Insta-Focus" rapid focusing system has a focusing lever between the barrels.

Center Focus & "Insta-Focus"

1. Adjust interpupillary distance. (Figure 1)
2. Set the "diopter setting" (Figure 2) 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 setting." This is usually the right side. (The left side on zoom models.)
5. Using the center focus wheel or "Insta-Focus" lever, 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, then view the same object.
7. Using the "diopter setting" adjustment ring, focus the same object being viewed. Caution should be used as over turning or forcing the diopter eyepiece can cause damage or cause the eyepiece to break away from the chassis.
8. Your binocular should be adjusted for your eyes. Focusing for any distance can now be done simply by turning the center focus wheel or pressing the "Insta-Focus" lever. Make a note of the diopter setting for your eyes for future reference.

"ZOOM" FEATURE - On Select Models Only (Figure 3)

1. Follow the steps for focusing as outlined under "Center Focus & Insta-Focus."
2. When focusing a "zoom" (variable power) binocular, it is best to begin at high power. This will reduce or eliminate the need for focus readjustment when zooming between high and low powers. Set the "zoom" lever at the highest power indicated and focus on a distant object with fine detail (e.g., brick wall, tree branches, etc.).
3. Adjust your binocular for individual eye strength using the "diopter setting" as outlined in the instructions for "Center Focus / Insta-Focus."
4. Your binocular is now adjusted properly for your eyes. You may now "zoom" to any power and the subject will stay in focus.

Note: To focus on an object at a closer distance, focus on the object at high power first and then adjust the "zoom" lever to the desired lower power. With any "zoom" instrument, better quality images are possible at lower powers.

PERMA FOCUS® / INSTAVISION®

Your Bushnell binocular may be designed and built with a revolutionary focus-free optical system. Perma Focus and Instavision binoculars offer fast, clear viewing from approx. 35-100 ft. (depending on power) to "infinity", with no need to adjust a focus control. These binoculars do not have a diopter setting on either eyepiece.

WATERPROOF / FOGPROOF

Your Bushnell binocular may be designed and built utilizing the latest waterproof and fogproof technology. Bushnell waterproof models are O-ring sealed for complete moisture protection. Fogproof protection is achieved from dry nitrogen purging that removes all internal moisture.

EYECUPS (Eyeglass/Sunglass Wearers): (Figure 4)

- Your Bushnell binocular is fitted with rubber roll-down, pop-up, or twist-up eyecups designed for your comfort and to exclude extraneous light. If you wear glasses, make sure the eyecups are in the down position. This will bring your eyes closer to the binocular lens thus providing improved field of view.

INSTRUCTIONS FOR CARE

Your Bushnell binocular will provide years of trouble-free service if it receives the normal care you would give any fine optical instrument. Non-waterproof models should not be exposed to excessive moisture.

1. 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.
2. Avoid banging and dropping.
3. Store in a cool, dry place.

CLEANING

1. Blow away any dust or debris on the lens (or use a soft lens brush).
2. To remove dirt or finger prints, clean with a soft cotton cloth rubbing in a circular motion. Use of a coarse cloth or unnecessary rubbing may scratch the lens surface and eventually cause permanent damage. A "microfiber" cleaning cloth (available at most photo dealers) is ideal for the routine cleaning of your optics.