



INSTRUCTIONS FOR USE
BINOCULARS



CONGRATULATIONS

Congratulations on selecting your new *Coleman*[®] binoculars.

The care and precision with which all of our *Coleman*[®] binoculars are built insure great performance under the most demanding conditions.

With reasonable care, your new *Coleman*[®] binoculars will give you years of service. This booklet will help you achieve optimum performance by explaining how you can adjust your *Coleman*[®] binoculars to your eyes.

Carefully read the instructions appropriate to the model purchased before using your binoculars.

WATERPROOF - FOGPROOF

Your *Coleman*[®] binocular is designed and built utilizing the latest waterproof and fogproof technology.

Coleman[®] waterproof models are O-ring sealed for complete protection. Fogproof protection is achieved from dry nitrogen purging to remove all internal moisture.



FIGURE 1

Your *Coleman*[®] binoculars are fitted with either twist up or fall down or rubber eye-cups designed to exclude extraneous light. This is useful for wearers of sunglasses or eyeglasses, and will bring your eyes closer to the lenses, providing an improved field of view.

TWIST UP EYE-CUPS

For twist up (down) eye-cups, rotate the eye-cups upward or downward. (See FIGURE 2)

FOLD DOWN RUBBER EYE-CUPS

For fold down rubber eye cups simply fold down the eye cups around the eyepiece lenses. (See FIGURE 3)

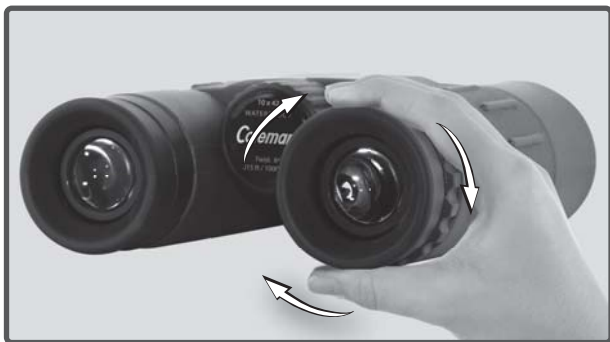


FIGURE 2



FIGURE 3

EYE ADJUSTMENT

HOW TO ADJUST THE DISTANCE BETWEEN YOUR EYES

The distance between the eyes, called “interpupillary distance”, varies from person to person.

To achieve perfect alignment of lens to eye,
follow these simple steps:

1. Hold your *Coleman*[®] binoculars 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.
3. Always reset your *Coleman*[®] binoculars to this position before using. Some binoculars have a graduated area at the top of the center hinge for reference in subsequent use when setting interpupillary distance. (See FIGURE 4)



FIGURE 4

FOCUSING

Coleman[®] binoculars have two primary focusing systems: Center Focus, and Individual Focus. Zoom binoculars utilize the Center Focus system.

CENTER FOCUS

1. Adjust the interpupillary distance.
2. Set the right eye-piece diopter to the center and set your sight on a distant subject.

Cover the right front objective [lens] with your hand. Rotate the center focusing wheel until the image is sharp and clear.

Keep both eyes open while making this adjustment.

3. Cover the left front objective [lens] with your hand and then rotate the right eye-piece until the image is sharp again. See (FIGURE 5)
4. The image should now be focused to your eye strength. Note the diopter setting for future reference.



FIGURE 5

INDIVIDUAL FOCUS

1. Adjust the interpupillary distance. Make a note of the number, which appears on the central hinge scale. Always re-set your binocular to this position before using.
2. Cover right objective (front) lens with your hand. Rotate left eyepiece until image is focused.
3. Follow the same procedure for the right eye. The eyepiece should be turned in a counter-clockwise direction for closer objects and in a clockwise direction for more distant objects. With the image now in focus, make a note of the diopter settings for future use.



FIGURE 6

ZOOM SERIES BINOCULARS

1. Follow the steps for focusing as outlined under “Center Focus” (page 10).
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 re-adjustment when zooming between high and low power. Set the “zoom” lever at the highest power indicated and focus on a distant object with fine detail.
3. Adjust your binoculars for individual eye strength using the “diopter setting” as outlined in the instructions for “Center Focus & Instant Focus.” (page 10)
4. Your binocular is now adjusted properly for your eyes. You may now “zoom out” or “in” on any distant object.

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.



FIGURE 7

WHAT TO KNOW ABOUT BINOCULARS

Coleman[®] binoculars are ideal for active lifestyles and make all outdoor activities more enjoyable.

THE POWER OF *Coleman*[®] BINOCULARS

The power (magnification) is indicated by the first number followed by an “X”. Thus model 8 x 42 is an 8-power binocular. The image appears 8 times closer than with the naked eye. The number 42 signifies the diameter of the front objective [lens] in millimeters. The larger the front objective, the brighter is the image because more light enters the binoculars.

Zoom binoculars have a range of powers. For example, a 10-30 zoom will bring an image between 10 and 30 times closer.

THE FIELD OF VIEW

The width or angle of view is indicated in feet at 1,000 yards. Thus, a 398-foot field of view at 1,000 yards means you are seeing an image 398 feet wide from a distance of 1,000 yards from the image.

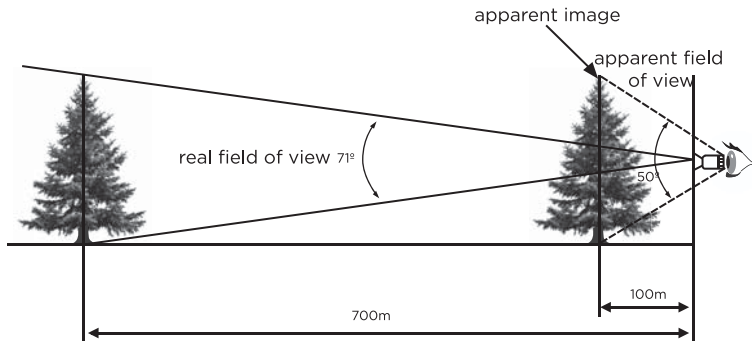


FIGURE 8

INSTRUCTIONS FOR CARE

If handled with care, your *Coleman*® binoculars will provide a lifetime of trouble free service. Like any fine optical instrument, your *Coleman*® binoculars should be given sensible care.



1. Avoid exposure to excessive amounts of moisture.
2. If your binocular has roll-down, flexible eyecups, store it with the eyecups up. This avoids excessive stress and wear on the eyecups while in the down position.
3. Avoid dropping or bumping your binoculars.
4. Hang the binoculars around your neck when in use.
5. Store the binoculars in its case when not in use.
6. Keep the binoculars in a safe and moisture free place when not in use.
7. Never attempt to repair or dismantle your binoculars. This will void your warranty.
8. Looking directly at the sun with your binocular may be very harmful to your eyes.

CLEANING

1. Blow away any dust or debris on the lens (or use a soft lens brush.)
2. To remove dirt or fingerprints, 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.
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.



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