

# **CELESTRON**<sup>®</sup>

## CELESTRON OUTLAND X BINOCULARS

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### ENGLISH

Thank you for purchasing Celestron binoculars. We hope they bring you many years of enjoyment. To maximize the use of your new binoculars,

please read these instructions on use and care before using them.

### ADJUSTING THE INTERPUPILLARY DISTANCE (IPD)

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Since the distance between the eyes (specifically, the distance between the centers of the pupils) varies among individuals, the two eyepieces of the binoculars must be correctly aligned (adjusted). This is called adjusting the interpupillary distance. To adjust this distance, lift the binoculars up to your eyes (using both hands) and look through them at an object in the distance. Move the two halves of

the binoculars about the hinge until you see one clear circle of image through both eyes.



### ADJUSTING FOCUS

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Since most people have a variance of vision from their left eye to their right eye, you must adjust the focusing system. Use the following steps to achieve focus: (1) Close your right eye and look through the left side of the binoculars with your left eye at the subject matter. Rotate the center focusing wheel until the image appears in sharp focus; (2) Close your left eye and look through the right eyepiece (called the diopter). Rotate the right eyepiece until the image appears in sharp focus. (3) Now look through both eyepieces with both eyes open. Since you've already adjusted the right eyepiece, use only the center focusing wheel to refocus on a new object at a different distance.

**Note:** Your binocular has a diopter indicator, please note the setting for later use for faster focus adjustment.

**Hint:** Eyeglasses worn for nearsightedness should be worn when using binoculars, as you may not be able to reach a sharp focus at infinity without them.



## SET THE TWIST UP RUBBER EYECUPS

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Twist the Rubber Eyecups up if you do not wear eyeglasses and fold them down if you do wear eyeglasses to obtain the maximum field of view.

*Now you are ready to use your binoculars — enjoy the view!*

## TRIPOD ADAPTABILITY

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The 42 mm size binoculars feature a built-in tripod adapter fitting which is a threaded screw hole underneath a cap. To attach a binocular tripod adapter, remove the cap and then thread the screw from the binocular tripod adapter into the threaded screw hole. The other end of the binocular tripod adapter attaches to a photographic tripod.

Mounting binoculars this way allows for added stability and comfort.

## CARE AND CLEANING

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Binoculars do not need routine maintenance other than making sure that the objective lenses and eyepieces are kept clean. If repairs become necessary, they should be serviced by the manufacturer or a qualified binocular repair company. Collimation (optical alignment) is the biggest concern with binoculars. If your binoculars are roughly handled or dropped, there is a good chance that the collimation will be out, and they should be serviced. Dirty objectives and/or eyepieces mean less light transmission and loss of brightness as well as unsharp images. Keep your optics clean! When not using your binoculars, store them in the case provided. Avoid touching the glass surfaces, however, if fingerprints (which contain mild acid) do get on the glass, they should be cleaned as soon as possible to avoid damaging the coatings.

To clean the optical surfaces, we recommend a lens/optics cleaning kit available at most photo or optical shops. Follow the instructions provided with the kit closely for best results. If you have a lot of dust or dirt accumulated, brush it off gently with a camel's hair brush and/or utilize a can of pressurized air before using the cleaning kit. Alternately, you could use the Celestron LensPen (#93575) made especially for cleaning binoculars. **Never** attempt to clean your binoculars internally or try to take them apart!

## CAUTION!

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Viewing the Sun may cause permanent eye damage. Do not view the Sun with your binoculars or even with the naked eye.

## PROBLEMS OR REPAIR

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If warranty problems arise or repairs are necessary, contact the Celestron customer service department if you live in the U.S.A. or Canada. If you live elsewhere, please contact the Celestron dealer you purchased the binoculars from or the Celestron distributor in your country (listings are available at [www.celestron.com](http://www.celestron.com)).

## WARRANTY

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Your binocular has the Celestron Limited Lifetime Warranty for U.S.A. and Canadian customers. For complete details of eligibility and for warranty information on customers in other countries visit the Celestron website.

This product is designed and intended for use by those 14 years of age and older.

Product design and specifications are subject to change without prior notification.

**FOR COMPLETE SPECIFICATIONS AND PRODUCT INFORMATION, VISIT: [WWW.CELESTRON.COM](http://WWW.CELESTRON.COM)**

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