



## OUTLAND X MONOCULAR

WITH SMARTPHONE ADAPTER AND BLUETOOTH REMOTE



## INSTRUCTION MANUAL

MODEL #72374

## OUTLAND X MONOCULAR

WITH SMARTPHONE ADAPTER  
AND BLUETOOTH REMOTE

Thank you for choosing this Popular Science™ by Celestron® monocular. We hope it will bring you many years of enjoyment. Please read these instructions on its use and care to ensure that you receive the greatest value and longest life of your new monocular.

**⚠ WARNING:** Never look at the Sun while using your monocular. Looking at the Sun can cause permanent eye damage.

### FOCUSING

To focus your monocular, simply view a subject through the monocular's eyepiece and turn the focus wheel until the image is clear and sharp.

### EYECUP ADJUSTMENT

Twist the eyecup up if you do not wear eyeglasses and fold it down if you do wear eyeglasses to obtain the maximum field of view.

### TRIPOD ADAPTABILITY

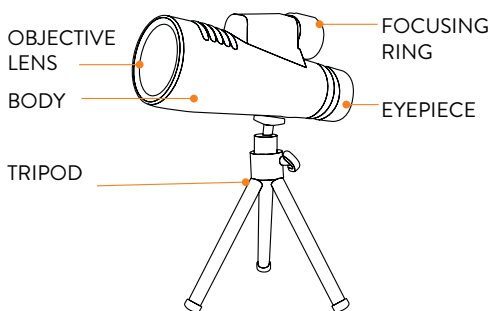
Your Popular Science™ by Celestron monocular features a built-in tripod adapter fitting, which is a threaded port on the side opposite the focus dial. To attach a tripod, simply thread the bolt from the tripod mounting plate into the threaded port. Mounting your

### CARE AND STORAGE

Your Celestron monocular will provide you years of dependable service if it is cared for and stored properly.

1. Protect the monocular from impact and do not force any of the moving parts beyond their limits.
2. Store your monocular in a cool, dry place whenever possible.
3. When storing for an extended period of time, place

### PARTS OF A MONOCULAR



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

*Now you are ready to use your monocular –enjoy the view!*

monocular this way allows for added stability and comfort.

the monocular in a plastic bag or airtight container with a desiccant.

4. Do not leave the monocular in a car on a hot/sunny day or near anything that generates heat as this may cause damage.
5. Clean any dust, dirt or water that may get on the monocular or inside moving parts as soon as possible to prevent any unforeseen damage.

## CAUTION!

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

## CLEANING

Proper cleaning of the lenses is essential to maintaining the optical integrity of your monocular. Dirty lenses diminish the amount of light transmitted through the monocular and your overall viewing experience.

1. Remove any dust on the lens with a soft lens brush or a can of pressurized air.
2. Remove any fingerprints, stains or smudges from the lens surface with a soft, clean lens cloth or lens tissue by rubbing in a circular motion. Start in the

middle of the lens and work your way to the edges. Breathe lightly on the lens to provide moisture if needed.

3. For a more thorough cleaning, we recommend the use of a lens/optics cleaning kit available at most photo or optical shops. Follow the directions supplied with the cleaning kit for best results.

**Never attempt to clean your monocular internally or try to take it apart!**

## SERVICE AND REPAIR

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 monocular from or the Celestron distributor in your country (listings are available at [celestron.com](http://celestron.com)).

## WARRANTY

Your monocular is covered under the Celestron Limited Lifetime Warranty. Celestron warrants this monocular to be free from defects in materials and workmanship for the monocular's usable lifetime to the original owner. Celestron will repair or replace the monocular which, upon inspection by Celestron, is found to be defective in materials or workmanship and within the definitions of the limits described below. This warranty does not cover products that have been subject to abuse, misuse, physically damaged, altered, or had unauthorized repairs or modifications. This warranty does not cover defects due to normal wear and tear and other conditions. This warranty is valid to USA and Canadian customers who have purchased their monocular from an authorized Celestron dealer in the USA or Canada. For products purchased outside of the USA or Canada, please contact your local Celestron Distributor or authorized Dealer for applicable warranty information. Additional warranty

information and eligibility details can be found on 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 [celestron.com](http://celestron.com)**

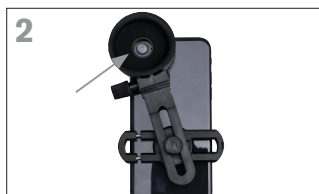
# USING THE SMARTPHONE ADAPTER



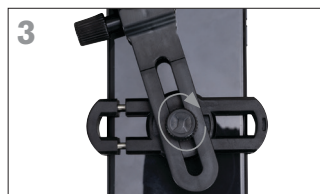
With the eyecup of the binocular twisted down to its lowest position:



Pull outward on the spring clamp arms and place the smartphone into the space between the clamp arms so that it is securely grasped by the tension of the arms.



Loosen the smartphone clamp position knob (if not already loose) and position the eyecup of the adapter so that its aperture aligns with the camera lens of the smartphone



Tighten the smartphone clamp position knob and check that the position of the adapter's eyecup aperture stays centered over the smartphone camera lens



Loosen the eyecup cuff tension knob



Fit the eyecup cuff over the eyecup of the binocular and tighten the eyecup cuff tension knob until the adapter is held firmly in place



Activate the smartphone camera and check that the image seen through the binocular is centered in the smartphone's viewing screen. If it is not, use the adapter's clamp position knob to make adjustments until it is.

**NOTE:** the image will be vignetted (shows as a circle inside a black border area - this is normal. Simply use the smartphone camera's zoom to expand the image until the vignetting disappears.

**CAUTION:** Do not carry the binocular with the smartphone adapter in place as it may be accidentally bumped and fall off, potentially damaging the smartphone as a result.

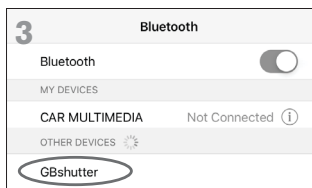
# USING THE BLUETOOTH REMOTE



To insert or replace the battery, place your thumb in the center of the back cover, pressing inward and sliding downward remove the battery door. The CR2032 battery should be inserted with the positive (+) side facing upward. Replace the cover.



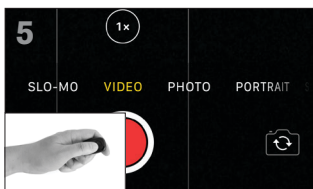
Press and hold the button on the remote for 5 seconds. A blue light will turn on and, after a few seconds, start to blink. The remote is now in pairing mode.



Using the Bluetooth settings on your phone, pair the device called "GBshutter".



Open your camera app. Press the button on the remote to trigger the shutter on your phone.



If your camera is in video mode, you can press the button once to start recording and again to stop the recording.

# SAFETY INSTRUCTIONS

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- Risk of explosion if battery is replaced by an incorrect type.
- The included battery is not rechargeable.
- Please use the battery in its original purpose to avoid causing the battery to short circuit. When the conductive material is connected directly to the battery positive and negative will cause a short circuit.
- Do not use a damaged battery.
- Keeping the battery in an extremely cold or very hot location can result in shortened battery life.
- When replacing the battery, please refer to the instruction manual and pay attention to the positive and negative direction of battery.
- Do not put the battery in the fire. Dispose of the battery according to local regulations.

## FCC IDENTIFIER: **2A2FG-X9**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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[celestron.com/pages/technical-support](http://celestron.com/pages/technical-support)

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