POPULAR SCIENCE™
BY CELESTRON®

LANDSCOUT
20-60X80 SPOTTING SCOPE
WITH SMARTPHONE ADAPTER AND BLUETOOTH REMOTE

INSTRUCTION MANUAL | MODEL #53329

CELESTRON LANDSCOUT SPOTTING SCOPE

Thank you for purchasing a Popular Science by Celestron LandScout spotting scope. We trust this spotting scope will provide you with years of enjoyment and faithful service. Please read the instructions carefully before using your spotting scope to ensure proper use and care.

NOMENCLATURE

FIG. 1

WARNING: Never look at the Sun while using your spotting scope. Looking at the Sun can cause permanent eye damage.

BEFORE USE

Attach your spotting scope to a sturdy tripod before viewing as the size and power of the spotting scope requires a solid tripod for stability to achieve clear, sharp images.

FIG. 2

USING THE TABLETOP TRIPOD

Your spotting scope includes a tabletop tripod for added stability when viewing. Follow the steps below to set up the tripod.

1. Spread the three tripod legs until they come to a stop.
2. Make sure the Pan/Tilt Handle is in the locked position (turn clockwise) and the mounting plate is level.
3. Place the bottom of the tripod on the top of the mounting plate lining up the mounting screw of the tripod and the mounting hole on the spotting scope. Secure the spotting scope to the tripod by turning the screw counterclockwise.
4. The Pan/Tilt Handle controls the tripod's horizontal and vertical movement. To adjust the spotting scope's position, turn the handle counterclockwise to unlock. Move the spotting scope to the desired viewing position and turn the handle clockwise to lock into place.

FOCUSING

To ensure a crisp, sharp image, the spotting scope must be focused. To focus the spotting scope, slowly rotate the focus wheel (located behind the tripod mount) until the image in the eyepiece is clear and sharp. If the focus wheel will not rotate any further, you have reached the end of its travel and need to turn the wheel in the opposite direction.

FIG. 3

CHANGING THE MAGNIFICATION

To change the magnification of the zoom eyepiece, simply rotate the eyepiece according to the magnification markings on the eyepiece itself. When changing magnification, the scope will need to be refocused. The largest field of view and brightest images will always be at the lowest magnification.

ROTATING TRIPOD MOUNT

Your new spotting scopes feature a rotating tripod mount that rotates a full 360° and allows the eyepiece to be set in any viewing position. To change the eyepiece position, loosen the lock screw (located on the tripod mount) and turn the scope to the desired position. Tighten the lock screw and view through the eyepiece.

FIG. 4

FIG. 5A

FIG. 5B

DIGISCOPING

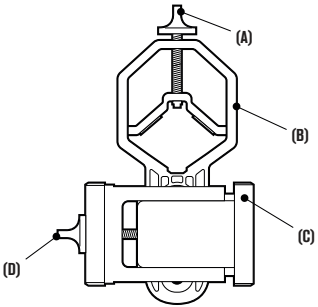
Popular Science by Celestron LandScout spotting scope can be used for digiscoping with smartphones or point-and-shoot digital cameras. Please note that not all cameras are compatible for vignetting (a circular image surrounded by black) will occur. Point-and-shoot cameras with an optical zoom of 3x or 4x, tend to be the most compatible with the least amount of vignetting. Most images will be sharpest and brightest when using the lowest magnification on the zoom eyepiece.

SMARTPHONE DIGISCOPING

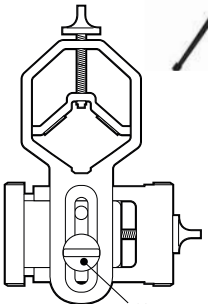
Your Popular Science by Celestron spotting scope includes an easy-to-use smartphone adapter to allow quick and effective digiscoping with you own smartphone. Follow these simple instructions to attach, position, and use this adapter with your spotting scope.

USING THE SMARTPHONE ADAPTER

With the eyecup of the twisted down to it's lowest position:



FRONT



BACK

1. Before attaching the adapter, look through your spotting scope, and make sure that the view is in sharp focus.

2. Open the **eyepiece clamp (B)** by loosening the **eyepiece clamp knob (A)** at the top of the eyepiece clamp.

3. Place the eyepiece clamp over the eyepiece of your scope. Tighten the eyepiece clamp knob to secure the eyepiece clamp tightly against the eyepiece.
   NOTE: Make sure to mount the clamp on a section of the eyepiece barrel that does not rotate freely, such as the magnification zoom adjustment dial.

4. Loosen the **holder clamp knob (D)** until the **holder clamp (C)** is open wide enough to accommodate the width of your phone. Once the phone is in place, tighten the holder clamp knob until the phone is secured.
   NOTE: This adapter can be used with most phone cases, but the case surface MUST be flat so it will fit in the holder correctly. Any grips, stands, rings, or raised surfaces on the case will impede the placement of the phone. All folio-style phone cases must be removed.

5. Launch the camera app on your phone. Loosen the **holder alignment knob (E)** and adjust the positioning of your phone camera so that it lines up with the eyepiece of your optic.

6. Once the camera is over the eyepiece and your camera is capturing the view through the eyepiece, carefully tighten the holder alignment knob to secure your phone in position.

7. If needed, adjust the focus on your scope again for the sharpest possible view.

8. You are now ready to take images and videos using your smartphone camera!

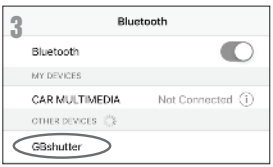
IMPORTANT: always be certain the eyepiece clamp knob is sufficently loosened before attempting to remove the adapter from the scope eyepiece

CAUTION: Do not carry the scope 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.

POINT-AND-SHOOT CAMERA DIGISCOPING

Your spotting scope can be used with the Celestron Universal Digital Camera Adapter #93626 for digiscoping with compact point-and-shoot digital cameras. Please note that not all cameras are compatible for digiscoping and with some cameras, vignetting (a circular image surrounded by black) will occur. Point-and-shoot cameras with an optical zoom of 3x or 4x, tend to be the most compatible with the least amount of vignetting. Most images will be sharpest and brightest when using the lowest magnification on the zoom eyepiece.

FIG. 6

CARE AND STORAGE

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

1. Protect the spotting scope from impact and do not force any of the moving parts beyond their limits.

2. Protect the optics of your spotting scope by putting on all lens caps when not in use.

3. Store your spotting scope in a cool, dry place whenever possible.

4. When storing for an extended period of time, place the spotting scope in a plastic bag or airtight container with a desiccant.

5. Do not leave the spotting scope in a car on a hot/sunny day or near anything that generates heat as this may cause damage.

6. Clean any dust, dirt or water that may get on the spotting scope or inside moving parts as soon as possible to prevent any unforeseen damage.

CLEANING

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

1. Remove any dust on the lenses with a soft lens brush or 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.

SERVICE AND REPAIR

If warranty problems arise or repairs are necessary, contact the Celestron customer service department if you live in the United States or Canada. If you live outside of these countries, please contact the dealer you purchased your spotting scope from or the Celestron distributor in your country. A list of our distributors can be found on our website.

WARRANTY

Your spotting scope is covered under the Celestron Limited Lifetime Warranty. Celestron warrants the spotting scope to be free from defects in materials and workmanship for the spotting scope's usable lifetime to the original owner. Celestron will repair or replace the spotting scope 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 spotting scope 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.

For complete specifications and product information, visit: celestron.com

celestron.com/pages/technical-support
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