

Travel Scope 60 DX

QUICK SETUP GUIDE

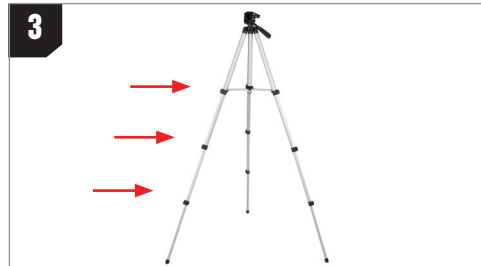
#22210



Unpack your telescope and verify that all parts are present. Your Travel Scope 60 DX includes: a telescope tube, a tripod and mount head, two eyepieces, a 3x Barlow lens, a finderscope, an erect image diagonal, a smartphone adapter, a Bluetooth® shutter remote, and a travel backpack.



To set up the tripod, spread the legs outward until they are fully extended and push down on the center leg brace.



Extend the legs of the tripod by unlocking the three tripod lock levers on each leg. Pull each leg section all the way out and push the lever on each lock downward to secure it in place.



To extend the tripod's central column, turn the locking knob counterclockwise, lift up the tripod head until it is at the desired height and turn the locking knob clockwise to secure.



Loosen the knob on the side of the tripod head mounting platform and rotate the platform 90 degrees so it is standing vertically.



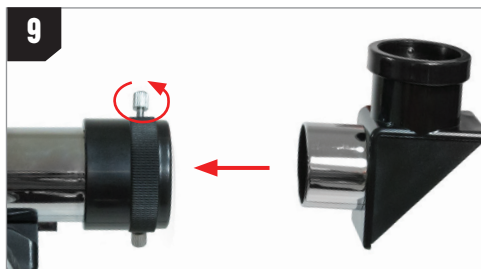
Match the threaded bolt in the mounting platform to the threaded hole on the bottom of the telescope tube and thread the two together. Do not overtighten. This should be snug, but not tight.



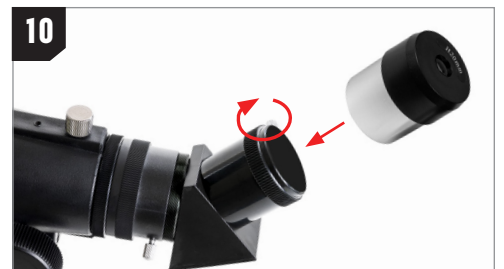
Rotate the mounting platform so it is horizontal and tighten the knob to secure it.



Remove the cap from the focuser end of the telescope tube and make sure the two thumbscrews do not protrude into the opening.



Locate the erect image diagonal and remove the plastic covers. Insert the barrel of the diagonal into the focuser and secure in place by tightening the set screws.



Insert the barrel of the 20mm eyepiece into the diagonal and tighten the set screw.



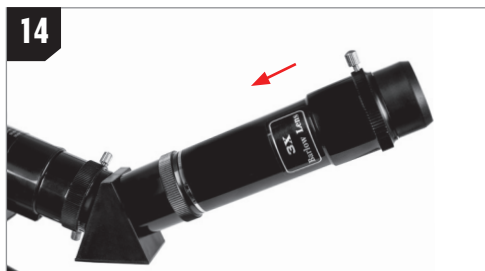
Remove the knurled nuts on the threaded posts at the focuser end of the telescope tube.



Locate the finder scope and remove the plastic caps on the front and back lens. Orient the finder scope so that the larger lens is facing towards the front of the tube as shown. Place the finder scope over the posts on the tube and replace the knurled nuts to secure it in place.



Remove the lens cap from the front of the telescope. To observe, look through the eyepiece as shown. Focus the image by turning the knobs below the focuser.



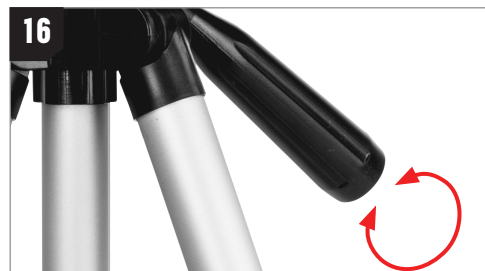
To install the diagonal, loosen the setscrews on the back of the focuser and pull out the small dust cap. Remove the caps from both sides of the diagonal.



SOLAR WARNING: Never attempt to view the sun through any telescope without a proper solar filter.



Insert the smaller tube on the diagonal into the back of the focuser and secure it by tightening the setscrews.



To install the eyepiece, loosen the setscrews on the open end of the star diagonal. Insert the silver barrel on the bottom of the eyepiece into the star diagonal and secure by tightening the setscrews. Always start using your low-power eyepiece (25 mm) to help you find the target you wish to view. You can always change to your high-power eyepiece (10 mm) later.

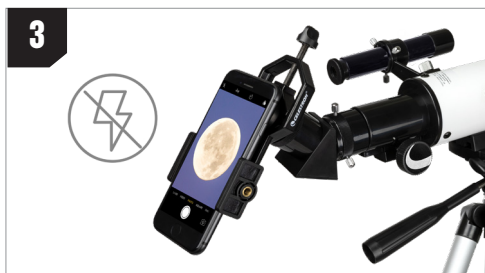
Using the Smartphone Adapter



Open the eyepiece clamp and place it around the body of the eyepiece. Tighten the clamp until it's secure.



Use the phone clamp knob to open the phone holder so that your phone fits inside. Tighten it to secure your phone in place.



Turn on the phone and open your camera app. Make sure the flash is turned off.



Loosen the knob on the bottom of the adapter that secures the phone clamp to the eyepiece clamp. Slide the phone clamp up and down and rotate it left and right until your camera is looking down through the eyepiece of the telescope. Tighten the knob on the bottom of the adapter to secure it in place.



Use the telescope's focuser to adjust focus of your camera. Snap the image using your app.

Aligning the Finderscope

The finder is one of the most important parts of your telescope. It helps you locate objects and center them in the eyepiece. The first time you assemble your telescope, you need to align the finder to the telescope's main optics. It's best to do this during the day*.

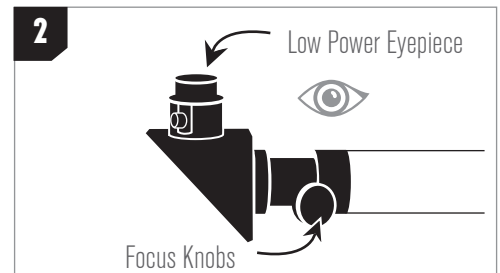


* **SOLAR WARNING!** Never attempt to view the Sun through any telescope without a proper solar filter!



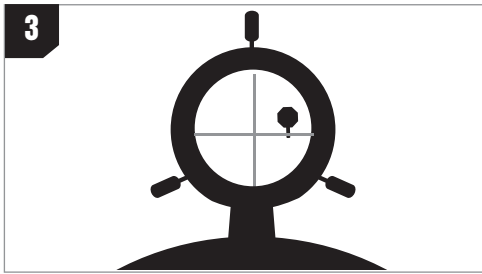
Choose a Target

Take the telescope outside during the day and find an easily recognizable object, like a streetlight, license plate or sign. The object should be as far away as possible, but at least a quarter mile away.



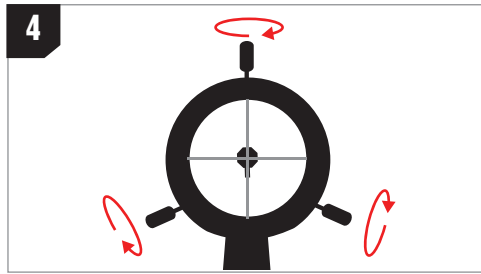
Center the Target in the Eyepiece

Look through the telescope using your lower powered eyepiece. Move the telescope until the object you chose lies in the center of the view. If the image is blurry, gently turn the focus knobs until it comes into sharp focus.



Look Through Finderscope

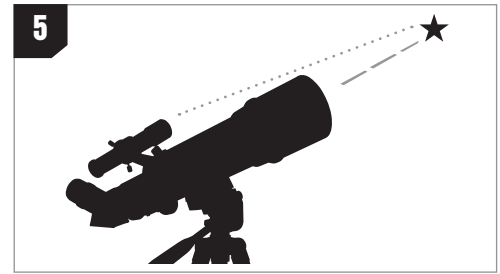
Once the object is centered in your 20mm eyepiece, look through the finderscope and locate the crosshair reticle.



Adjust the Finderscope

Without moving the telescope, use the three finger knobs on the finderscope bracket to move the finder around in the bracket until the crosshair appears over the same object you are observing in the telescope's 20mm eyepiece.

TIP: Try adjusting one screw at a time. Loosen one screw by half a turn and tighten another by the same amount to ensure the finderscope is securely held in place.

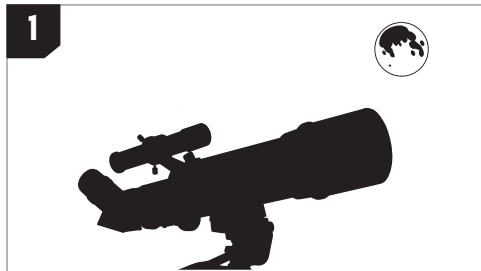


YOUR FINDERSCOPE IS NOW ALIGNED!

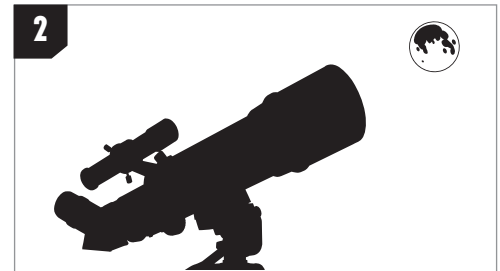
It should not require realignment unless it is bumped or dropped.

Viewing the Moon

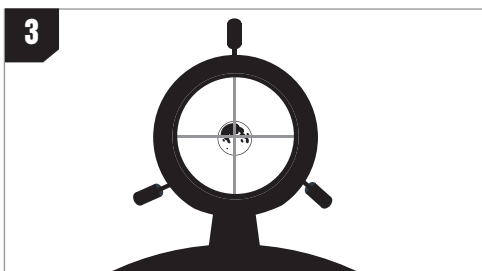
The best and easiest target for you to try to view first is the Moon. Try observing the Moon at different points in its phase cycle. The best time to view the Moon is from two days after a New Moon up to a few days before a Full Moon. During this period, you will be able to see the most detail in the craters and lunar mountain ranges.



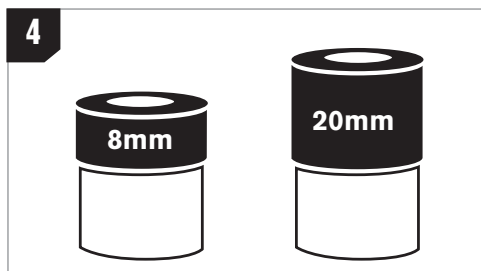
With the Moon visible in the sky, set up your telescope with the 20mm eyepiece installed.



Move the telescope so that it is roughly pointing toward the Moon.



Look through the finderscope and locate the crosshair reticle. Continue moving the telescope until the crosshair appears over the Moon.



CONGRATULATIONS! You have now observed your first celestial object! To get a closer view of the Moon, loosen the set screws on the focuser and remove the 20mm eyepiece. Replace it with your 8mm eyepiece and tighten the set screws to secure it in place. The 8mm eyepiece will give you significantly more magnification, making the Moon appear much larger.

Note: You may need to adjust the focus knobs when you change eyepieces, so make sure you are getting the sharpest image possible.



You can view many other celestial objects, such as planets, star clusters and nebulae using this same technique if you know where to find them in the night sky.

Bonus Software

Your purchase includes software for your computer. You don't need to download this software to use your telescope, but it can enhance your experience.



Celestron Starry Night Astronomy Software

Celestron Starry Night, the premier astronomy software on the market, takes you on a guided tour of our Solar System's past, present, and future. It can help you learn about the night sky and plan your next observing session. Use Starry Night to model exactly how the night sky will appear from your backyard, a neighboring town, or anywhere on Earth.

MINIMUM SYSTEM REQUIREMENTS

Windows:

- Windows 7 or higher
- 500MHz or higher processor
- 128 MB RAM
- 850 MB hard disk space
- 32 MB OpenGL-capable graphics card
- Monitor with 1024x768 pixel resolution (recommended)

Mac:

- Universal binary (PPC/Intel-compatible)
- OS X 10.4 or higher (10.5 or higher for Elementary)
- G3 450 MHz or higher processor
- 128 MB RAM
- 850 MB hard disk space
- 32 MB OpenGL-capable graphics card
- Monitor with 1024x768 pixel resolution (recommended)

Safety Instructions

- There is a risk of explosion if the battery is replaced with an incorrect type.
- The included battery is not rechargeable.
- Only use the battery as originally intended to avoid a short circuit. Connecting the conductive material directly to the battery's positive and negative sides will cause a short circuit.
- Do not use a damaged battery.
- Do not store the battery in an extremely cold or hot environment. Doing so can reduce battery life.
- Remove batteries if drained or if product is to be left unused for a long time.
- When replacing the battery, refer to the instruction manual and ensure the positive and negative sides are oriented correctly.
- Do not put the battery in fire.
- Dispose of the battery according to local regulations.

FCC IDENTIFIER: 2A2FG-93974

NOTE: FCC certification is for the Bluetooth Remote Control included with this product. Model # 93974

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.

FCC NOTE: 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.

NEED ASSISTANCE? Contact Celestron Technical Support
celestron.com/pages/technical-support

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.
Made in China | 06-26



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celestron.com/pages/warranty



SOLAR WARNING: Never attempt to view the Sun through any telescope.

BATTERY WARNING	
	• INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH OF CHILDREN • SEEK IMMEDIATE MEDICAL ATTENTION if a battery is suspected to be swallowed or inserted inside any part of the body.