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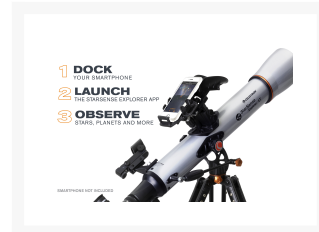
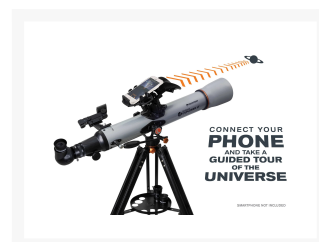
Opening Hours  
  
10am-5:30pm Mon-Fri  
9am-2pm Sat

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[www.sirius-optics.com.au](http://www.sirius-optics.com.au)

## Celestron StarSense Explorer LT 70AZ Telescope

AUD  
\$399.99

### Product Images



### Short Description

Unleash the power of your smartphone to take you on a guided tour of the night sky—no telescope experience required.

Patent-pending StarSense sky recognition technology uses your smartphone to analyze star patterns overhead and calculate its position in real time. [Check phone compatibility here.](#)

**NOTE:** The Starsense telescope uses your smartphone as a navigation device only, not to take photos.

## Description

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Celestron has reinvented the manual telescope with StarSense Explorer—the first telescope that uses your smartphone to analyze the night sky and calculate its position in real time. StarSense Explorer is ideal for beginners thanks to the app's user-friendly interface and detailed tutorials. It's like having your own personal tour guide of the night sky.

### **Dock, Launch, Explore**

Leave complicated star charts, imprecise planetarium apps, and computerized mounts behind. With StarSense Explorer, locating objects has never been easier, faster, or more accurate. Within minutes of setting up the telescope, you'll be navigating the sky with confidence. Simply place your phone in the unique StarSense dock and launch the StarSense Explorer app. After aligning your phone to the telescope's optics (a quick, 2-minute procedure), StarSense Explorer generates a list of celestial objects currently visible. Make your selection and arrows appear onscreen, guiding you as you to move the telescope. When the object is ready to view, the bullseye turns green.

### **Smartphone Compatibility**

StarSense Explorer works with most modern smartphones, including iPhone 6 and up and most devices running Android 7.1.2 or later manufactured since 2016. For a complete compatibility list, [click here](#).

### **Patent-Pending StarSense Sky Recognition Technology**

StarSense Explorer uses patent-pending technology and your smartphone to determine exactly where the telescope is pointed in the night sky. A Lost in Space Algorithm (LISA), like the ones satellites use in orbit to correctly reorient themselves, helps the app match star patterns it detects overhead to its internal database.

While other astronomy apps may claim that they can help you find objects, they rely exclusively on the phone's gyros and accelerometers, which aren't as accurate as LISA technology. No other app can accurately tell you when your target is visible in the eyepiece.

### **Sturdy Altazimuth Mount**

StarSense Explorer LT's simple altazimuth mount makes it easy to move the telescope to find your target. A slow-motion altitude adjustment knob helps you fine tune the telescope's pointing position and follow targets as they appear to drift across the night sky. It's all anchored by an adjustable, full-height tripod.

### **Dazzling Views with High Quality Optics**

You can expect sharp, bright views through this 70mm refractor. Fully coated glass optics provide increased light transmission, enhancing details in celestial objects. The telescope also includes a 90-degree erect image diagonal, so you can use it during the day to view birds, wildlife, landscapes, and more.

### **Perfect for the City or Dark Sky Sites**

Even if you live in a light polluted city location, StarSense Explorer is advanced enough to be able to pick out Jupiter, Saturn, Venus, the Orion Nebula, double stars, and a few more of the most famous celestial objects.

But if you can take the telescope to an even slightly darker location, more objects will become visible. The entire telescope kit weighs just 7.4 pounds, so it's perfectly portable and easy to bring on your next camping trip or to a remote observing site.

### **Everything You Need to Observe Immediately**

When you unbox your new StarSense Explorer LT, you'll find:

- 70mm refractor optical tube
- StarSense dock for your smartphone
- Low powered (25mm) and high powered (10mm) eyepiece
- 2x Barlow lens to double the power of each eyepiece
- 90-degree erect image diagonal
- StarPointer red dot finderscope, perfect for using the telescope during the day or without the StarSense Explorer app
- Altazimuth mount with slow motion control rod
- Full-height tripod with an accessory tray to keep you organized

Specifications	<strong>OPTICAL TUBE INFO:</strong>	
	Optical Design	Refractor
	Aperture	70mm (2.76")
	Focal Length	700mm (27.56")
	Focal Ratio	f/10
	Focal Length of Eyepiece 1	25mm (0.98")
	Magnification of Eyepiece 1	28x
	Focal Length of Eyepiece 2	10mm (0.39")
	Magnification of Eyepiece 2	70x
	Barlow Lens	2x (1.25")
	Finderscope	StarPointer™ red dot finderscope
	Star Diagonal	Erect image 90° (1.25")
	Optical Tube	Aluminum
	Highest Useful Magnification	165x
	Lowest Useful Magnification	10x
	Limiting Stellar Magnitude	11.7
	Resolution (Rayleigh)	1.99 arc seconds
	Resolution (Dawes)	1.66 arc seconds
	Light Gathering Power (Compared to human eye)	100x
	Optical Coatings	Fully-Coated glass optics
	Optical Tube Length	812.8mm (32")
	Optical Tube Diameter	76mm (2.99")
	Optical Tube Weight	3.6 lbs (1.63 kg)
	Dovetail	None
	<strong>MOUNT INFO:</strong>	
	Mount Type	Manual Alt-Azimuth
	Height adjustment range (includes mount and tripod)	Aluminum, 1320.8mm (52") max height
	Tripod Leg Diameter	31.75mm (1.75") steel
	Accessory Tray	Yes
	Tripod Weight	3.8 lbs (1.72 kg)
	Slew Speeds	Manual
	GPS	Uses phone's GPS
	Dovetail Compatibility	CG-5 Dovetail bar
	Power Requirements	None (Recommend PowerTank Glow to keep phone charged while using app)
	Alignment Procedures	Use StarSense Explorer app
	Software	StarSense Explorer app   SkyPortal app   Celestron Starry Night Basic Edition Software
	Total Kit Weight	7.4 lbs (3.35 kg)
	Included Items	Telescope tube   Mount/tripod (preassembled)   25mm & 10mm eyepieces   Erect image diagonal   2x Barlow lens   StarPointer finderscope   Accessory tray   StarSense Explorer phone dock