

## Astro FI 90mm Refractor



Item no:22201

**Read a review of the Astro-Fi 130 & Astro-Fi 102 by All About Space magazine below.**

Celestron Astro-Fi can be viewed at and purchased from the following UK & Irish retailers.

[FI Telescopes](#)

[First Light Optics](#)

[GreenWitch](#)

[Grovers OpticsShop](#)

[Harrison Telescopes](#)

[Ktec Telescopes](#)

[Rother Valley Optics](#)

[Sneezums](#)

[Sussex Astronomy Centre](#)

[Tring Astronomy Centre](#)

[The Widescreen Centre](#)

If you have any difficulties in viewing or purchasing Astro-Fi please [contact us](#).

Celestron is not only changing the way we experience astronomy, but we're also changing the way you interact with the night sky. The Astro Fi 90mm Refractor is a fully featured telescope that can be controlled with your smart phone or tablet using the free Celestron SkyPortal app. Celestron's SkyPortal app replaces the traditional telescope hand control for a 100% wireless experience. Just hold your smart device up to the night sky. When you find an object you'd like to view, tap the screen. Your Astro Fi telescope automatically slews to the object, while the screen displays information about it. It's never been more fun to explore the universe!

The Astro Fi 90 creates its own wireless connection, so it can communicate with your device even in remote locations where WiFi or cellular networks aren't available. Getting ready to observe is quick and painless thanks to Celestron's award-winning SkyAlign technology. Center any three bright objects in the eyepiece, and your telescope calculates its position. You can even generate a Sky Tour of all the best celestial objects to view based on your exact time and location.

**TRUSTED CELESTRON OPTICS**

Innovative WiFi technology powers the Astro Fi, but it's the optics inside the telescope tube that make it a Celestron. For over 50 years, we've led the industry in optical technology and we put that experience into the Astro Fi 90. This 90 mm refractor with fully coated optics offers dazzling views of craters on the Moon, the rings of Saturn, the Great Red Spot on Jupiter, the Orion Nebula, the Hercules Globular Cluster and so much more.

## FEATURES:

- Control your telescope via integrated WiFi using the free Celestron SkyPortal app for iPhone, iPad, and Android devices
- 90 mm refractor with fully coated glass optics provides outstanding views of the Moon, planets, and nebulae, and more.
- Accessory tray holds 2 x 1.25" eyepieces, miscellaneous accessories, including a rubber-lined area for a smart phone or small tablet.
- Includes a StarPointer finderscope, 2 Kellner eyepieces, and mirror star diagonal.

## SPECIFICATIONS:

**Optical Design:** Refractor

**Aperture:** 90 mm (3.54 in)

**Focal Length:** 910 mm (36 in)

**Focal Ratio:** 10.1

**Focal Length of Eyepiece 1 (mm):** 25 mm (0.98 in)

**Magnification of Eyepiece 1:** 36x

**Focal Length of Eyepiece 2 (mm):** 10 mm (0.39 in)

**Magnification of Eyepiece 2:** 91x

**Finderscope:** StarPointer

**Star Diagonal:** 1.25"

**Mount Type:** Single Fork Arm Altazimuth

**Accessory Tray:** Includes rubberized smartphone or tablet holder

**Tripod:** Aluminum

**Highest Useful Magnification:** 213x

**Lowest Useful Magnification:** 13x

**Limiting Stellar Magnitude:** 12.3

**Resolution (Rayleigh):** 1.54 arc seconds

**Resolution (Dawes):** 1.29 arc seconds

**Light Gathering Power (Compared to human eye):** 165x

**Optical Coatings:** Fully Coated

**Optical Tube Length:** 37.2 in/94.5 cm in (945 mm)

**Total Telescope Kit Weight:** 14.2 lbs (6.44 kg)

**Slew Speeds:** Up to 3 deg/second

**Tracking Rates:** Sidereal, Solar, and Lunar

**Alignment Procedures:** SkyAlign, 3-Star Align, Solar System Align

**Communication Ports:** Aux port for optional hand control

**Database:** Over 120,000 objects including 220 of the best deep sky and solar system objects

To discover more and to find your local Celestron dealer please visit our [Dealer Page](#).

