



Sirius Optics LX200 ACF 8 Inch F-10 with Standard Field Tripod User Guide

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LX200 ACF 8 Inch F-10 with Standard Field Tripod
User Guide

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Product Images



Short Description

8" f/10 Advanced Coma Free Optics – 2000mm focal length Ultra-High Transmission Coatings (UHTC)
 Standard Field Tripod
 AutoStar II GOTO system

Description

This 8" LX200-ACF has 8" diameter f/10 ACF optics (focal length 2000mm) and Ultra-High Transmission Coatings (UHTC) for maximum image brightness and contrast. Features the advanced LX200 AutoStar II computer system with 145,000 object library, multiple guided tours, High Precision Pointing capability with sub arc-minute pointing accuracy, and Meade SmartDrive with Permanent Periodic Error Correction.

Precise and quick star alignment is done near effortlessly with Meade's level north technology alignment system incorporating a 16 channel GPS receiver. The Autostar II is flash-updatable via free downloads at Meade.com (optional cable required). The drive base of the telescope has multiple input and output ports including an RS-232 PC interface and jacks for a (user supplied) CCD Autoguider and illuminated reticle.

Mechanically loaded as well all LX200 models feature a primary mirror locking mechanism, which effectively prevents movement of the primary mirror during long exposure astrophotography or observing. Turn the lock knob located just above the telescopes main focus knob and the progressive-tension primary lock completely cancels any residual image shift due to mirror movement during visual, photographic, or imaging applications.

All LX200-ACF models feature the DC-servo driven super heavy duty double fork mount, the strongest and most rigid mount in its class. Fast slew speeds are from 1 to 8 degrees per second, and can be user selected at .1 degree per second increments, while fine slewing and photographic guiding speeds can be adjusted from .01x to 1x sidereal in one one-hundredth increments. The mount and all electronics are internally powered by 8 (user supplied) C-cell batteries which will typically operate the telescope for around 20 hours (optional Meade Universal AC adapter also available). The mount additionally has mechanical locks and slow motion manual controls in both axis if for some reason you found yourself without power.

The LX200-ACF comes fully equipped with a heavy duty height adjustable Meade Field Tripod, 1.25" diagonal mirror, Series 4000 26mm Plössl eyepiece, 8x50 viewfinder with quick release bracket and Meade AutoStar® Suite Astronomer Edition Software for PC. Scope weight is 45 pounds with 19 pound tripod. Ships in 2 boxes. Product carries full one year Meade factory limited warranty.

Additional Information

Specifications	Series	LX200 Telescopes
	Warranty	1 Year
	Experience Level	Intermediate, Advanced
	Clear Aperture	8"
	Optical Design	Advanced Coma-Free (ACF)
	Optical Coatings	UHTC™
	Focal Length	2,000mm
	Focal Ratio	f/10
	Resolving Power (Dawes' Limit)	0.570 arc-seconds
	Oversized Primary Mirror	Yes
	Mirror Lock	Yes
	Viewfinder	8x50mm with cross-hair reticle
	Eyepiece(s)	26mm Series 4000™ Super Plössl
	Focuser Mechanism	Single Speed Focuser
	Diagonal	1.25" diagonal mirror
	Hand Controller	AutoStar® II
	Object Database	145,000 objects
	Pointing Precision (High-Precision Mode)	1 arc-minute (+/-)
	Periodic Error Correction	Both Axes
	Permanent Periodic Error Correction (PPEC)	Yes
	Slow Motion Controls	Mechanical & Electronic
	Slew Speeds	RA and Dec: 0.01x to 1.0x sidereal, variable in 0.01x increments; 2x, 8x, 16x, 64x, 128x sidereal; 1°/sec. to 2°/sec., variable in 0.1° increments.
	Tracking Rates	Sidereal, Lunar, or custom-selected from 2000 incremental rates
	Control Panel	12v DC in, 12v DC out, Power, Focuser, Reticle, Handbox port, 2x computer connection ports (RS232), 1 Aux guide port
	Tripod	Standard Field Tripod
	Power Source	(Optional) 12v DC, 5 amp Meade Universal Power Supply
	Batteries (User-Supplied)	8 x C cells

GPS Receiver	Yes
True Level & North Sensors (LNT)	Yes
Time Chip	Yes
Electronic Focuser	Optional
Smart Mount™	Yes
Smart Drive™	Yes
Anti-vibration Pads	Optional
Wedge	Optional



Sirius Optics

Unit 1

26 Darnick Street

Underwood, Qld 4119

Opening Hours

Phone: 07 3423 2355

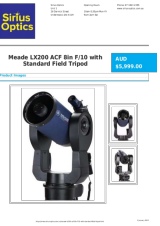
www.sirius-optics.com.au

10am-5:30pm Mon-Fri

9am-2pm Sat

<https://www.sirius-optics.com.au/meade-lx200-acf-8in-f-10-with-standard-field-tripod.html>

Documents / Resources

	<p>Sirius Optics LX200 ACF 8 Inch F-10 with Standard Field Tripod [pdf] User Guide LX200 ACF 8 Inch F-10 with Standard Field Tripod, LX200 ACF, 8 Inch F-10 with Standard Field Tripod, Standard Field Tripod, Field Tripod, Tripod</p>
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References

-  [Meade Instruments Telescopes, Solar Telescopes, Binoculars, Spotting Scopes](#)
-  [Home page - Sirius Optics](#)