

Contents & Quick Set-Up Guide for: **SmartStar® E-R80 GOTO AltAz Mount** **SmartStar® G-R80 GOTO AltAz Mount with GPS**



FEATURES

- 80mm achromatic refractor telescope
- 5x24 finderscope for locating objects
- Heavy duty stainless steel tripod
- Alt-Azimuth Mount– The Cube™-- The only mount of its kind for ultimate rotation
- Includes the GoToNova™ Controller. The most intuitive controller on the market.
- 5,000 object database (SmartStar® E). 50,000 object database (SmartStar® G).
- The largest LCD screen on the market with 4 lines and 21-character Hand Control with backlit LED buttons. SmartStar® G has 8 lines and 21-character screen.
- Drive motor with 5-speed setting for precise tracking (SmartStar® G has 9-speed).
- Dual-axis Servomotor
- Standard-equipment AC connection (Optional DC adaptor available)
- SmartStar® E is GPS-compatible with optional GPS Module (#8411). SmartStar® G has built-in GPS.
- 11 lb payload

PACKAGE CONTENTS

- 80mm Refractor Telescope
- 2 eye pieces (10X , 25X)
- Diagonal
- Barlow Lens
- Finderscope
- Telescope Mount
- USB cable (SmartStar® G)
- AC Adaptor with cord
- Hand Controller
- Controller Cable
- Tripod
- Tripod bolt and Tray Lock
- Tripod Tray

ONLINE CONTENTS (*click under “Support” menu*) **www.iOptron.com**

- Manuals (*you will need to refer to the manual for details on set-up and operation*).
- Tips for set up
- Hand controller firmware upgrades (check online for latest version)
- Reviews and feedback from other customers






Longitude & Latitude




For SmartStar® E users you will need to know the latitude and longitude for your city or town. A simple search online will provide this information for you. Our website (under “support”) also contains a list of major cities around the world with their latitude and longitude.

Quick Set-up

Note: This is a brief outline for getting started. Please refer to the full manual at www.iOptron.com for details.

	<p>Step 1. Extend tripod legs to full extension.</p>
	<p>Step 2. Attach mount to tripod using the long bolt (#7). Slide tray on bottom of shaft. Then screw on round black knob (#9).</p>
	<p>Step 3. Attach telescope to mount using dovetail lock (#2).</p>
	<p>Step 4. Set telescope to PARK POSITION. (1) Position the mount so that the "S" is facing south. (2) The telescope tube should be pointed directly up at the zenith. If it is not perfectly straight then loosen the altitude lock (#4) to adjust telescope.</p>
	<p>Step 5. Level the mount using the bubble on side of mount by adjusting tripod legs. It is also suggested to use additional levels to assure very precise level.</p>

	<p>Step 6. Plug in power plug and hand controller.</p>
	<p>Step 7. Turn on and wait for controller lights to come on.</p> <p>For SmartStar™G users (with GPS) wait for controller to say “G_OK”—not “G_ON”. GPS provides Latitude, Longitude, and current time only.</p> <p><i>Note: this photo shows the SmartStar™G hand controller. The SmartStar™E has the same menu but with a smaller screen.</i></p>
	<p>Step 8. Press Menu button.</p> <p>Go to: Set up controller. Press ENTER.</p>
	<p>Step 9. Go to: Set up Local Time (or “Local Time and Site”). Press ENTER.</p> <p>Enter date and day-light savings (Y=yes. N=no). For SmartStar®-E controller a checkmark is “yes”, X is “no”. Then press ENTER</p> <p><i>(Note: use arrow keys to scroll through screen and select numbers)</i></p>
	<p>Step 10. Go to: Set Up Site. <i>(SmartStar-E users need to enter longitude and latitude for their city or town –a simple search online will provide this)</i></p> <p>Enter time zone: <i>(add or subtract 60 minutes per time zone)</i> Enter minutes “behind” UT or “ahead” of UT</p> <ul style="list-style-type: none"> • New York City is 300 minutes “behind” UT • Los Angeles is 480 minutes “behind” UT • Rome is 60 minutes “ahead” of UT • Sydney is 600 minutes “ahead” of UT

	<p>Step 11. Easy One Star Align</p> <p>Go to: MENU>ALIGN>Easy One Star Align. Press ENTER. The screen will list three bright objects for you to select from (ex. Moon, Jupiter, Venus). Select an object using the arrow keys. Then press ENTER. Next use the arrow keys to slew to the object until it is centered in your eyepiece. Then press ENTER on the hand controller. <i>(Refer to the online manual for 1-star and 2-star alignment)</i></p> <p><i>To change the slew speed simply press the Speed button.</i></p>
	<p>Step 12.</p> <p>The mount is now ready to GOTO and track objects.</p> <p>Go to: Menu>Select and Slew Press ENTER.</p>
	<p>Select a category and object (ex. “planets, sun, moon”. Then select “moon”). Then press ENTER.</p> <p>The telescope will automatically slew to the object and lock on. It will automatically begin to track once it locks on to the object.</p>

Assembly Terms

1. Telescope tube
2. Dovetail lock
3. Hand held controller
4. Altitude lock
5. Mount
6. Tripod
7. Inner support /Tripod bolt.
8. Tray
9. Tray lock

