Quick Start Guide



SmartStar[®]-R80 GPS Telescope #9801 (Pulsar Pink) & #9802 (Astro Blue) SmartStar[®]-R80 Telescope #9501 (Pulsar Pink) & #9502 (Astro Blue)

FEATURES

- Alt-Azimuth Mount- The Cube™-- The only mount of its kind for ultimate rotation
- Includes the GoToNova[™] Controller. One of the most intuitive controllers on the market. •
- Over 5,000 object database. •
- Built-in 32-channel GPS (#9801 & #9802 only) •
- Large LCD screen with 4 lines and 21-character wide screen •
- Drive motor with 5-speed setting for better control.
- **Dual-axis Servomotor** ٠
- Aluminum tripod •
- 80mm achromatic refractor telescope

PACKAGE CONTENTS

- SmartStar[®] telescope mount
- Built-in GPS receiver (#9801 & #9802 only)
- 80mm Refractor telescope
- Tripod

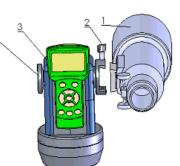
- #8405 Hand Controller
- Controller Cable
- 3x Barlow lens
- 45° diagonal
- K 10mm and K 25mm eyepieces

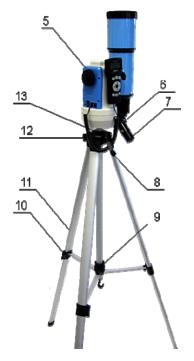
ONLINE CONTENTS (click under "Support" menu button) www.iOptron.com

- Full manual (you can refer to the full manual for more details on set-up and operation). •
- Tips for operating
- Reviews and feedback from other customers
- Accessories information (including AC adapter, carry bag, and more) •

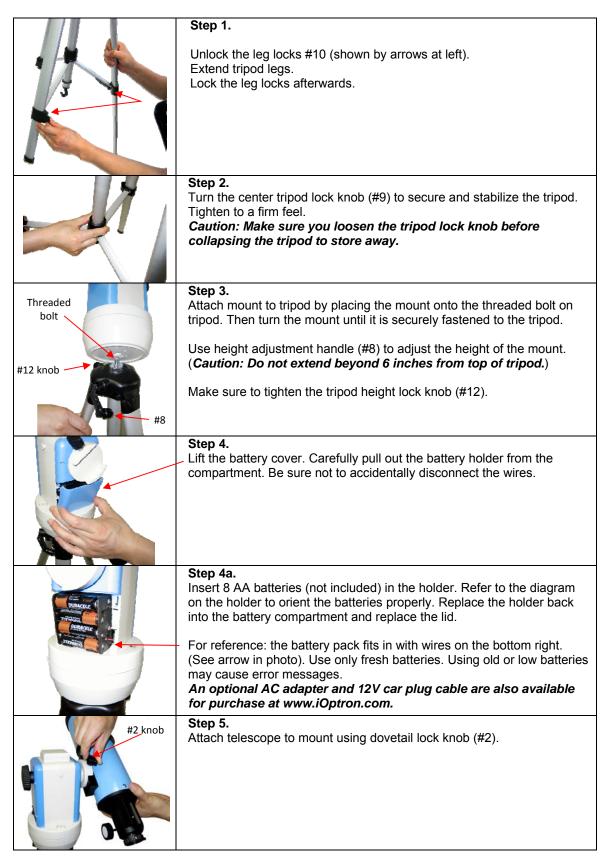
Assembly Terms

- Telescope tube
 Dovetail lock
- 3. Hand controller
- 4. Altitude lock
- 5. Mount (shown with GPS)
- 6. Diagonal
- 7. Eyepiece
 8. Height adjustment handle
- 9. Center Tripod Lock Knob
- 10. Leg Locks (3)
- 11. Tripod
- 12. Tripod height lock knob
- 13. Height Extender





Quick Start Guide for SmartStar[®]-R80 Telescopes (with and without GPS)



45° diagonal eyepiece Focus knob	 Step 6. Insert 45° diagonal: Insert the diagonal (#6) into the eyepiece side of the telescope. Tighten the thumbscrews to a firm feel only. Insert the eyepiece: Remove the supplied K 25mm eyepiece (#7) from its container and slide it into the other end of the diagonal. Tighten the thumbscrews to a firm feel only. Remove the dust cover from the end of optical tube assembly. Use the focus knob to bring objects into focus. You may need to turn the focus knob quite a few turns to focus your telescope for the first time. Always start observing using a low power eyepiece (such as a K 25mm eyepiece) to get a nice wide field of view. Later you can change to high power if so desired. Higher powered eyepieces have a much narrower field of view. So it's more difficult to locate objects using higher powered eyepieces.
	 Step 7. Plug hand controller into any one of HBX port on the mount. Turn on power. Now you are ready to observe. Use the 4 Arrow keys (▲▼ ◀►) to rotate the scope Up, Down, Left, and Right. Use the SPEED key to change the slew rate from the slowest (2X) to the fastest (MAX).
2) Up 1) South #4 Alt lock	 Step 8. Set telescope to PARK POSITION. (1) Position the mount so that the "SOUTH" mark is facing south (A compass may be helpful). (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.
	Step 9. Level the mount using the bubble on side of mount by adjusting tripod legs. The bubble should be in the middle of the circle. It is also suggested to use additional levels (such as torpedo levels) to assure precise leveling.
GOTONOVA Park Position G-OK R: 5458,2m B442 a A 980 A, B' Z1880 B, B' B9-85-84 15:43:27 2X iOptron"	Step 10. Press the I/O power switch ON (controller will light up). For models with GPS: Wait for controller to say "G-OK" or "Stop" in top right corner —not "G-ON". GPS provides Latitude, Longitude, and current time only. For models without GPS you will be able to manually enter latitude, longitude, and time in the next steps.
GOTONOVAT Select and Siew Land Objects Sync. to Target Set Up Controller iOptron ^T	Step 11. Press the MENU key once. Scroll (with the ▲/▼ keys) to "Set Up Controller" Press ENTER. Scroll to "Set Up Time and Site" in the next screen. Press ENTER.

