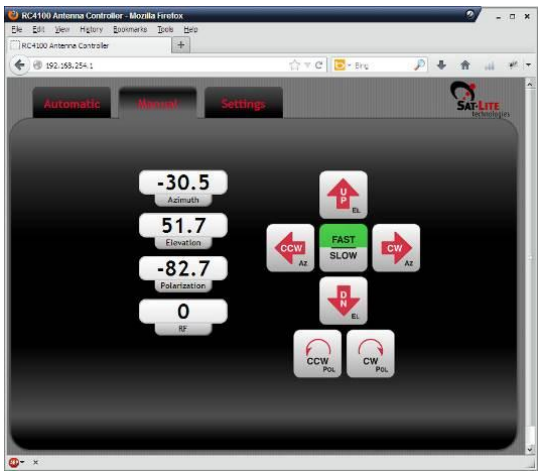
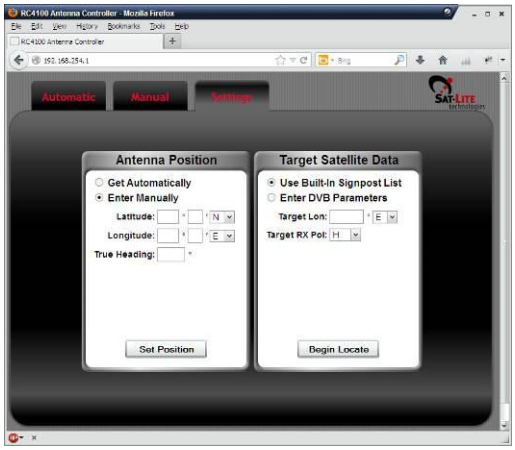
RC4000M Compact Antenna Controller

Sat-Lite Technologies Motorized Flyaway Antennas





- ***High Performance Outdoor Mounted Antenna Controller for Flyaways or Vehicle Mounts***
- ***GUI Ethernet Web Browser Interface with optional handheld remote***
- ***User Programmable DVB-S/S2 Receiver for Positive Satellite ID***
- ***Fully Enclosed and Weatherized Enclosure Mounted on Antenna***
- ***GPS / Compass Options for Auto Acquisition***
- ***Inclined Orbit Tracking Options – Steptrack / Memory Track and High Performance Beacon Receiver***
- ***L Band Spectrum Analyzer Option***

SAT-LITE technologies

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TECHNICAL SPECIFICATIONS

Input Power:	85 - 265 VAC, 1 Phase, 50/60 Hz, 3 Amps Typical
Temperature:	Operational: -40° to +60° C Survival: -40° to +70° C
Outdoor Unit Size:	8.75” (222) x 12” (305) x 3” (76 mm)
Weight	8 lbs (3.6 Kg) Typical
Display	GUI Interface via Ethernet – Web Browser via Laptop, Tablet or PDA
Operation	Push Button – Auto Locate / Auto Stow / Track / Jog / Program – Via Ethernet or HHRF
Antenna Configurations	Sat-Lite Technologies Pre-connectorized Flyaway or Vehicle 3 Axis Control, Drives Azimuth, Elevation, Polarization Axes (DC Motors)
RF Input	L Band from LNB
Tracking	Optional High Performance Beacon Receiver for Inclined Orbit Satellites
DVB Receiver	DVB S/S2, Based on Frequency, Polarization, Symbol Rate, FEC, Modulation.
User Interface Requirements	AC Input Power (Power Cord Supplied), Ethernet (RJ 45), Rx Input from LNB Via Type N(f) (L - Band)
IP Rating	IP65
Humidity	95%, Noncondensing

The Sat-Lite Technologies RC4000 M Compact Antenna Controller is a fully weatherized unit that is pre-integrated with the Antenna System. The unit can be supplied with GPS, Compass, and DVB receiver to provide accurate position and antenna heading information. Optional Beacon Receiver, Spectrum Analyzer, and multiple user interfaces are available. The control unit deploys the antenna to an accurate elevation and polarization angle and then sweeps in azimuth to locate a signpost satellite (with known DVB signal). The onboard DVB receiver locks on the satellite and positively identifies it. Accurate look angles can then be used to peak on the final target / desired satellite longitude.

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