



Track Star[®] Smart Antenna

GPS AVL Capabilities for Wireless Enabled Mobile Computers

An affordable way to add Automatic Vehicle Location capabilities for fleets that use wirelessly enabled portable computers (Cellular, 802.11 and radio networks supported)

Specifications:

- GPS Receiver (other devices avail.)
- SiRF Star III with WAAS Chipset
 - L1 Band, 1575.42 MHz
 - C/A code at 1.023 MHz chip rate
 - 20 Channels, all-in-view tracking
 - Sensitivity: -159 dBm
 - Accuracy 10 meters, 2D RMS, 5 meters, 2D RMS, WAAS enabled
 - Datum WGS-84
 - Reacquisition 0.1 sec., average
 - Hot start 1 sec., average
 - Warm start 38 sec., average
 - Cold start 42 sec., average
 - Dynamic Conditions
 - Altitude: 18,000 meters (60,000 feet) max
 - Velocity: 515 meters /second (1000 knots) max
 - Acceleration: Less than 4g
 - DC Voltage 4.5V ~ 6.5V
 - Power consumption 80mA
 - Baud rate 4,800 bps
 - Output message NMEA 0183 GGA, GSA, GSV, RMC, VTG, GLL
 - 53mm diameter, 19.2mm height
 - Cable length: 1.5 meters
 - Operating temperature 40°C to +85°C

- Track Star GPS Forwarder Software
- Runs as service in Microsoft Windows operating systems
 - Configurable reporting intervals—time, distance, heading changes
 - Sends location data in UDP via cellular, 802.11 and radio data networks
 - Automatically sense connectivity for data transport
 - Sends location, heading, speed, date/time to Track Star AVLS system software
 - Collects and stores positional data when no wireless service is present

Part Numbers

- 001-04009—Track Star Smart Antenna (GPS Antenna and GPS Forwarder Software)
- 001-04010—Track Star GPS Forwarder Software ONLY



Introducing the new Track Star @Smart Antenna, the affordable way to add AVL Fleet Management technology to wirelessly enabled fleets. Using the portable computers found in an increasing number of vehicle fleets, the Smart Antenna captures GPS location data and forwards that data to the Track Star AVLS software system. The GPS Forwarder software product is also available separately for users with existing GPS devices.

GPS port sharing software allows the use of Smart Antenna GPS data with other applications on the computer such as navigation, mapping, work order processing, etc.

The Smart Antenna adds AVL technology to your fleet without requiring the purchase of more expensive AVL specific devices. It uses the wireless capabilities of the portable computer so that a new data account for AVL function is not required.

If your fleet uses, or plans to make use of, wirelessly enabled portable computers, the Smart Antenna is the most cost effective way to provide the full range of Track Star AVL based fleet management capabilities.

** Requires computer with available USB port, Microsoft Windows Operating System and wireless connectivity .*

Sold by: