

Detail

GPS Application **BC-337 SiRF Star III**

Products Name: Compact Flash GPS Receiver

Products no.: BC-337 SiRF Star III

Unlike traditional GPS receivers which require separate antennas or wires, the BC-337 is an integrated receiver with a built-in patch antenna designed to fit directly into the Compact Flash or PCMCIA slot. The BC-337 was designed in SiRF Star III with wireless consumer applications in mind; it will give accurate readings from up to 20 channels. The BC-337 has an exceptional accuracy of WAAS which makes it ideal for detailed turn-by-turn mapping. The BC-337 is an inexpensive, flexible alternative to traditional navigation systems. The BC-337 is truly transportable. Insert it into your PDA and place it in a convenient spot in your car and enjoy the benefits of using your additional mapping software for intelligent route calculation and voice-prompted, turn-by-turn navigation instructions.

Feature:

CFA compliant.

Within SiRF Star III/LP low power All-in-View high performance 20-parallel channels.

Support Standard NMEA 0183 command: GGA, GSA, GSV, RMC, GLL, VTG.

SingleSat updates in reduced visibility.

Superior urban canyon performance.

FoliageLock for weak signal tracking.

Optional external antenna.

Built-in Antenna for high sensitivity to satellite signal.

LED indicator for GPS fix or not fix.

Specification:

Frequency: L1, 1575.42MHz

Channel: 20 channels all-in-view tracking

Chipset: SiRF Star III

Interface

Interface: Compact Flash Type I

Accuracy

Position Accuracy:

10 meters, 2D RMS, (No SA).

5 meters, 2D RMS, (WAAS enabled).

Datum

Datum: WGS-84

Acquisition Rate

Hot Start: 1 sec. average

Warm Start: 38 sec. average

Cold Start: 42 sec. average

Reacquisition Time: 0.1 sec. average

Protocol

GPS output data: NMEA 0183 protocol, supports command GGA (1 sec), GSA (1 sec), GSV (5 sec), RMC (1 sec), (VTG and GLL are optional). **Baud Rate:** 4800 bps,N,8,1

Dynamic Condition Maximum Altitude: 18,000 meters (60,000 feet) max.

Maximum Velocity: 515 meter/sec. (1,000 knots) max.

Power

Voltage: DC 3.3 V \pm 10%

Power consumption: 90 mA

Physical characteristics

Antenna Type: Built in antenna

External Antenna Interface: MMCX (Optional)

Dimension: 83 mm x 42.8 mm x 13.3 mm

LED Indicator: GPS fix status.

(blinking light: GPS is fix, solid light: GPS is not fix.)

Temperature

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +80°C

Operation Humidity: 95%, Non- Condensing



The BC337, a new CF GPS receiver, incorporating the latest SiRF III technology.



The BC-337 has modern styling to perfectly complement all PDAs.