



➤ **NEW Products!** ➤ **SD-502**

Products Name: SDIO GPS Receiver

Products no.: SD-502

Great SD-502 is the next generation GPS with memory device that offers a combination of storage capacity and navigation all-in-one feature about the size of a postage stamp. Its 512MB of built-in memory also allows for tracking signals and storage of large amounts mapping data. With our manufacturing technology along with the cutting edge, SiRF Star III chipset, this receiver will provide higher sensitivity, lower power usage and more rapid time-to-fix!

Product Review

[Globalsat SD-502 Reviewed by GpsPasSion](#)

www.gpspassion.com

- "After the release of the SD-501, the first SD GPS to be fully operational but that lacked on board memory, here comes the much anticipated SD-502, powered by a SiRFstarIII chipset and with 512Mb of memory onboard... [See Comments.](#)

[Globalsat SD-502 SDIO GPS Receiver with Memory](#)

[Reviewed by Pocket GPS World.](#)

www.pocketgpsworld.com

- "As can be seen from the pictures to the right when in landscape mode the GPS is quite deep in the car, and close to the dash where all the noisy car electronics are. The GPS seemed to overcome this with minimal issues." [See Review.](#)

[Globalsat GPS Reviewed by CDRinfo.com.](#)

www.CDRinfo.com

- "Without any doubt the tested Globalsat GPS products are very good products and will satisfy their buyers. Each one has its own buy group, depending upon the needs of user. If someone wants to use a GPS device at both PDA and Laptop, then the BT-338 or BC-337 are the best choices. If the connection interface is Secure Digital, then SD-502 is a perfect match." [See Review.](#)

Feature:

- SiRF Star III high performance and low power consumption chipset
- Built-in high sensitivity GPS antenna
- LED to show GPS fix or not fix
- Built-in super capacitor to reserve system data for rapid satellite acquisition
- SDIO interface
- Operating platform: Pocket PC 2003, Win CE.Net, WM2003
- Based on Bsquare SDIO Now!
- Built-in memory size: 512 MB

Specification:

Electrical Characteristics (Receiver)

Frequency: L1, 1575.42MHz

Channel: 20 channels all-in-view tracking

Chipset: SiRF Star III

Interface: SDIO

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

Dimension: 95 mm x 30 mm x 13 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

Compatible Device v.1.33:

- Dell Axim X3 Pocket PC
- Dell Axim X30 Pocket PC
- Dell Axim X50 Pocket PC
- Dell Axim X50v Pocket PC
- Dell Axim X51v Pocket PC
- HP iPAQ h1930 series Pocket PC
- HP iPAQ h1940 series Pocket PC
- HP iPAQ h2210 series Pocket PC
- HP iPAQ hx2410 series Pocket PC
- HP iPAQ hx3970 series Pocket PC
- HP iPAQ h4150 series Pocket PC
- HP iPAQ hx4700 series Pocket PC
- HP iPAQ h6315 series Pocket PC

Devices listed above have been tested and proved to be compatible with SD-502.

The SD-502 DOES NOT support PalmOS, Mac 8/9/OSX, or Windows 95/NT/98/ME/2000/XP.

- Please see the technical support page for the new download of driver v.1.33.



The Globalsat SD GPS: Small, Sensitive, and Functional.



The SD-502 transforms your PDA into a complete navigation system.