

GPS Receiver

Additional Comments

DeLorme Earthmate GPS



This receiver is PC or handheld based. It has software that comes with it and stores data on the computer in a proprietary format. Free software on the web enables the transformation from the proprietary format to .txt or other more universal formats. Uses the SiRF Star II chipset, which has proven to be very accurate. Has no magnetic mount. (www.delorme.com)

Garmin cf Que 1620



Garmin's venture into the CF GPS market follows on the success of their innovative iQue series that integrated the GPS receiver into specific models of Palm and Pocket PC PDAs. As CF GPS receivers go, it is rather expensive.

Garmin eTrex



This handheld has limited accuracy and little or no capacity to store data. (www.garmin.com)

Garmin eTrex Camo



This handheld has little or no capacity to store data. (www.garmin.com)

Garmin eTrex Legend/Legend C



(www.garmin.com)

Garmin eTrex Summit



This handheld has limited accuracy and little or no capacity to store data. (www.garmin.com)

Garmin eTrex Venture



(www.garmin.com)

Garmin eTrex Vista/Vista C



A high amount of data storage. (www.garmin.com)

Garmin Geko 101



This handheld has no ability to stream data, limited accuracy, and little or no capacity to store data. (www.garmin.com)

Garmin Geko 201



This handheld has little or no capacity to store data. (www.garmin.com)

Garmin Geko 301



This handheld has little or no capacity to store data.
(www.garmin.com)

Garmin GPS 12



This handheld has little or no capacity to store data.
(www.garmin.com)

Garmin GPS 12XL



This handheld has little or no capacity to store data.
(www.garmin.com)

Garmin GPS 72



(www.garmin.com)

Garmin GPS 76



(www.garmin.com)

Garmin GPS II Plus



This device has recently been discontinued, though can still be found at some internet clearinghouses. This handheld has little or no capacity to store data. (www.garmin.com)

Garmin GPS V



A high amount of data storage. (www.garmin.com)

Garmin GPS-16 (HVS)



This receiver connects to a PC, handheld, or PA monitor/controller. It comes bare wired, so installation requires added skill. It tends to be less mobile. It has a 1 Hz update rate which isn't fast enough to run a lightbar with the accuracy needed at the speed of most agricultural operations. HVS stands for low voltage system. It operates at a higher voltage range than the LVS. (www.garmin.com)

Garmin GPS-16 (LVS)



This receiver connects to a PC, handheld, or PA monitor/controller. It comes bare wired, so installation requires added skill. It tends to be less mobile. It has a 1 Hz update rate which isn't fast enough to run a lightbar with the accuracy needed at the speed of most agricultural operations. LVS stands for low voltage system. It operates at a lower voltage range than the HVS. (www.garmin.com)

Garmin GPS-16 A



This receiver connects to a PC, handheld, or PA monitor/controller. It comes bare wired, so installation requires added skill. It tends to be less mobile. It has a 5 Hz update rate which is fast enough to run a lightbar with an accuracy of only < 3 m (even with WAAS). (www.garmin.com)

Garmin

GPS-17N



This receiver connects to a PC, handheld, or PA monitor/controller. It comes bare wired, so installation requires added skill. It tends to be less mobile and becomes a more permanently installed receiver. It has a 1 Hz update rate which isn't fast enough to run a lightbar with the accuracy needed at the speed of most agricultural operations. It operates at a higher voltage range, similar to the GPS-16 (HVS). (www.garmin.com)

Garmin

GPS-18



This receiver connects to a PC, handheld, or PA monitor/controller. It comes bare wired, with a USB connection, or with a 9-pin RS-232 connection. It tends to be less mobile and becomes a more permanently installed receiver. It has a 1 Hz update rate which isn't fast enough to run a lightbar with the accuracy needed at the speed of most agricultural operations. It is one of the most inexpensive receivers on the market, and would be perfect for yield monitoring. (www.garmin.com)

Garmin

GPS 60 C/CS



Garmin's newest handheld. In addition to adding color, new geocaching and auto-routing features have been added. The CS version also contains a barometer/altimeter combo and an electronic compass. (www.garmin.com)

Garmin

GPSMAP 76



(www.garmin.com)

Garmin

GPSMAP 76S/C/CS



A high amount of data storage. (www.garmin.com)

Garmin Rino 110



Offers two-way radio feature using the family channels (2 mile range) as well as GRMS (5 mile range - requiring FCC license). Transmits position by the radio feature which is then plotted on other Rinos. (www.garmin.com)

Garmin Rino 120



Offers two-way radio feature using the family channels (2 mile range) as well as GRMS (5 mile range - requiring FCC license). Transmits position by the radio feature which is then plotted on other Rinos. Also has substantial memory for data storage. (www.garmin.com)

Global Sat SD-501



One of two SD-type receivers now available. Compact Flash (CF) style insertable receivers have simplified PDA/GPS combinations. This may provide a viable alternative for those who have PDAs that have no CF slot and only a SD slot. The additional apparatus on the top is suppose to aid satellite reception, but appears to increase the opportunity for damage. Accuracy is apparently its advantage. (www.globalsat.com.tw)

Holux GM-210



A receiver/antenna combination that is based on the same chipset, the SiRFstarII chipset, as many other products. Has a magnetic mount to easily and safely lay on top of equipment or vehicle. Has PS2 connection (like the connection used for mouse and keyboards) but connects to USB or 9-pin serial (RS 232) cable adapters that can be specified with the kit. (www.holux.com)

Holux GM-270



A CF-based GPS that uses the SiRFstarII chipset. (www.holux.com)

Holux GM-270 Ultra



According to the spec sheets, the GM-270 Ultra is a more sensitive receptor of weak satellite signals, especially those that occur in densely wooded areas. (www.holux.com)

Holux GR-230



A bluetooth (wireless) receiver. Uses SiRFstarII chipset. Is quoted as a 33ft. range in the Bluetooth. (www.holux.com)

Lowrance iFinder Series



Also known for their development of recreational marine electronics, Lowrance provides a sturdy line of user friendly GPS receivers. Unfortunately, data on the accuracy of these devices is lacking from their website and other sources used. (www.lowrance.com)

Magellan eXplorist 100/200/300



This is Magellan's venture into the lower, inexpensive end of the GPS spectrum. Their low price is attractive, but like Garmin's Geko 101, they lack the essential ability to stream NMEA protocol strings. The 100 has no integral memory, while the 200/300 series offer 8 MB. The 300 adds the extra functions of a barometer/altimeter and electronic compass. (www.magellangps.com)

Magellan Meridian Color



Offers great deal of expandability by using a SD cards (www.magellangps.com)

Magellan Meridian Gold



Offers great deal of expandability by using a SD cards
(www.magellangps.com)

Magellan Meridian GPS



Offers great deal of expandability by using a SD cards
(www.magellangps.com)

Magellan Meridian Marine



Offers great deal of expandability by using a SD cards
(www.magellangps.com)

Magellan Meridian Platinum



Offers great deal of expandability by using a SD cards
(www.magellangps.com)

Magellan SporTrak



(www.magellangps.com)

Magellan SporTrak Color



A high amount of data storage. (www.garmin.com)

Magellan SporTrak Map



(www.magellangps.com)

Magellan SporTrak Pro



A high amount of data storage. (www.garmin.com)

Magellan SporTrak Pro Marine



A high amount of data storage. (www.garmin.com)

Magellan SporTrak Topo



This is a relatively new offer from Magellan. It has not yet been priced as it will not be on the market until Nov. 2003. (www.magellangps.com)

Navman GPS 110



This is Navman's entry into the receiver/antenna combination. Priced competitively with other such devices. Uses a Conexant Zodiac chip set system without WAAS correction (apparently). The connection with the laptop, PDA or other such device isn't explicit in the spec sheet, either. (www.navman.com)

Navman GPS 3450



Sleeve GPS for iPAQ. Uses SiRFstarII chipset. (www.navman.com)

Navman GPS 4400



A bluetooth (wireless) receiver. Uses SiRFstarII chipset. Is quoted as a 33ft. range in the Bluetooth. (www.navman.com)

Navman GPS 3450



Sleeve GPS for iPAQ. Uses SiRFstarII chipset. (www.navman.com)

NavRoute HP-505/525



A receiver/antenna combination that is based on the same chipset as others products from NavRoute and other companies, the SiRFstarII chipset. Has a magnetic mount to easily and safely lay on top of equipment or vehicle. (www.navroute.com)

NavRoute HP-600/610



A CF-based GPS that uses the SiRFstarII chipset. (www.navroute.com)

NavRoute HP-700



A bluetooth (wireless) receiver. Uses SiRFstarII chipset with FoliageLock to compensate for weak signals. (www.navroute.com)

Pharos SDIO GPS



One of two SD-type receivers now available. Compact Flash (CF) style insertable receivers have simplified PDA/GPS combinations. This may provide a viable alternative for those who have PDAs that have no CF slot and only a SD slot. This one seems to be more "low-profile" than the SD-501, which could aid its ruggedness in the field. But, early indications are that it is not as accurate as the SD-501. (www.pharosgps.com)

Rayming TN202



A CF-based GPS that uses the SiRFstarII chipset. Most likely the same receiver as the NavRoute version. (www.rayming.com)

Rayming TN206



A bluetooth (wireless) receiver. Uses SiRFstarII chipset with FoliageLock to compensate for weak signals. Again, most likely the same receiver as the NavRoute version. (www.rayming.com)