GPS Units Compatible with Maptech's Offshore Navigator

There are two reasons to connect a GPS to your PC - Real-time position tracking on the PC screen and transferring information between the PC and GPS. Virtually any GPS unit can be used for real-time positioning, but transferring routes, waypoints, and tracks to and from a GPS requires special compatibility.

The GPS Setup Wizard

Offshore Navigator includes a GPS Setup Wizard that will automatically detect many popular GPS units and configure Offshore Navigator to take advantage of them. This takes the guesswork out of finding "COM Ports" and other configuration hassles. The wizard will even troubleshoot many common connection problems, and determine which settings work best with your GPS.

Real-time Position Tracking on the PC screen

Connect any industry-standard NMEA 0183 GPS to a PC COM port, and Offshore Navigator will display your real-time position on top of a Maptech nautical chart, photo or topo map.

Most GPS receivers output the NMEA 0183 (version 1.5, 2.0/2.1, or 2.3) data language. GPS receivers can be connected by a serial cable (sold by the GPS manufacturers) to your PC through a standard 9-pin serial port. If your PC only has USB connections, you can connect a GPS serial cable to a serial-to-USB hub that will connect it to the USB port on your PC, or use a USB GPS.

Transferring Waypoint, Route and Track Information Between the PC and GPS

Offshore Navigator can transfer waypoint, route and track information between the PC and specific GPS models. Many users find it easier to plan routes on the PC than to hand-key them into their GPS, and Offshore Navigator facilitates this.

Unlike with real-time positioning, there is no industry standard for transferring waypoint, route and track information. Each GPS model has its own specific "drivers" for communicating this information.

Below is Information about specific GPS Manufacturers and models in alphabetical order.

ANY MANUFACTURER (NMEA 0183 GPS)	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			

Any unit that supports the industry standard NMEA 0183 interface specification (version 1.5, 2.0/2.1or 2.3) may be used for real-time tracking in Offshore Navigator. **In the Offshore Navigator GPS Setup, choose NMEA - Generic as the manufacturer.**

BRUNTON	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
Multi-Navigator	✔	✔	✔	✔

This GPS unit is not capable of receiving tracks. The unit stores one track log, which you may transfer to Offshore Navigator for display on the charts.

DATAMARINE	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			

Any unit that supports the NMEA 0183 interface specification (version 1.5, 2.0/2.1or 2.3) may be used for real-time tracking in Offshore Navigator.

FURUNO	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
GP-31	✔	✔	✔	
GP-1650DF	✔	✔	✔	
GP-1700C	✔	✔	✔	

Note that Furuno GPS units are not capable of storing tracks.

GARMIN-Serial	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
Below is a list of units that our support and development staff have tested for use with Offshore Navigator. Please note that these are *SERIAL* units, not those that use the USB interface				
eMap	✔	✔	✔	✔
eTrex (Legend, Mariner, Summit, Venture, Vista)	✔	✔	✔	✔
Forerunner 201	✔	✔		✔
GPS 12 (12, 12cx, 12xl & 12Map)	✔	✔	✔	✔
GPS 38	✔	✔	✔	✔
GPS 45 & 45xl	✔	✔	✔	✔
GPS 48	✔	✔	✔	✔
GPS 72	✔	✔	✔	✔
GPS 76, (GPSMAP 76, 76Cx, 76 CSx)	✔	✔	✔	✔
GPS 126 & 128	✔	✔	✔	✔
GPSMAP 60C & 60CSx	✔	✔	✔	✔
GPSMAP 276C	✔	✔	✔	✔
GPSMAP 130	✔	✔	✔	✔
GPSMAP 168 Sounder	✔	✔	✔	✔
GPSMAP 175	✔	✔	✔	✔
GPSMAP 176 & 176C	✔	✔	✔	✔
GPSMAP 295	✔	✔	✔	✔
GPSMAP 492	✔	✔	✔	✔
GPSMAP 2206	✔	✔	✔	✔
Garmin II & II+	✔	✔	✔	✔
Garmin III & III+	✔	✔	✔	✔
Garmin GPS V	✔	✔	✔	✔
StreetPilot GPS	✔	✔	✔	✔
Rhino 110, 120 & 130	✔	✔	✔	✔

Garmin-USB	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
Below is a list of units that our support and development staff have prepared for use with Offshore Navigator via the USB interface. Please note that separate driver download is required to use these GPS units with Offshore Navigator, and that the driver has not been fully tested and may not be suitable for all GPS activities. Please see the download page "Additional GPS Units" for more detailed information.				
GPS 18 (USB)	✔			
eTrex (Vista C, Legend C)	✔	✔	✔	✔
Edge 305	✔	✔	✔	✔
GPS MAP 60C & 60CSx	✔	✔	✔	✔
GPS MAP 76Cx & 76CSx	✔	✔	✔	✔
GPS MAP 276C	✔	✔	✔	✔

UNTESTED GARMIN UNITS: Cross-compatibility:
Garmin has a wide range of GPS models. Many of them share similar internal software. Maptech has created software drivers to support Garmin models; if your model isn't listed above, there's a good chance it works, but will require selecting another model's driver. Often, a single driver will work with multiple Garmin units. Below is a "cross-compatibility" list of Garmin models, based solely on information from other customers. If you have additions or corrections for this list, we and your fellow users would appreciate hearing about them. Please call us at 888-839-5551 or email sales@maptech.com with additions or corrections. Maptech technical support may not be able to fully assist you with the hookup and use of these units.

GPS Model	Reported Working As	Notes
GPS 17N	NMEA Generic	Real-time tracking only
GPS 40	GPS 45	
GPS 72	GPS 12	One user reported as working; another reports that marker names don't transfer correctly.
GPS 75	GPS 45	
GPS 152	eTrex	
GPSMAP 180	Garmin II	
GPSMAP 182	GPSMAP 76	
GPSMAP 188 Sounder	GPSMAP 76	
GPSMAP 215	GPS 12XL	
GPSMAP 225	GPS 126	Also works as GPS 45xl
GPSMAP 230	GPSMAP 130	
GPSMAP 2006 & 2006C	GPS 76	
GPSMAP 2010 & 2010C	GPSMAP 76	Also works as GPS 38
StreetPilot III	eMap	Also works as etrex

ICOM	Real-Time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			
Any unit that supports the NMEA 0183 interface specification (version 1.5, 2.0/2.1or 2.3) may be used for real-time tracking in Offshore Navigator.				

INTERPHASE	Real-time Tracking on the PC Screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			

Any unit that supports the NMEA 0183 interface specification (version 1.5, 2.0/2.1 or 2.3) may be used for real-time tracking in Offshore Navigator.

LOWRANCE	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
Below is a list of units that our support and development staff have tested for use with Offshore Navigator and Marine Navigator.				
Eagle Explorer	✔	✔	✔	✔
Eagle Map Guide	✔	✔	✔	✔
Eagle Map Guide Pro	✔	✔	✔	✔
GlobalMap 100	✔	✔	✔	✔
GlobalNav 12	✔	✔	✔	✔
GlobalNav 212	✔	✔	✔	✔

UNTESTED LOWRANCE UNITS - Cross-compatibility:
Lowrance has a wide range of GPS models. Many of them have different shapes, sizes and colors but share similar internal software. Maptech has created a number of software drivers to support Lowrance models. If your model isn't listed above, there's a good chance it works, but will require picking another model's driver. Often, a single driver will work with multiple Lowrance units. Below is a "cross-compatibility" list of Lowrance models, based upon information received from their support staff. If you have additions or corrections for this list, please call us at 888-839-5551 or email sales@maptech.com with additions or corrections. Also note that Maptech technical support may not be able to fully assist you with the hookup and use of these units.

GPS Model	Reported Working As	Notes
Eagle Accunav Sport	Eagle Map Guide Pro	
Eagle Expedition/Expedition II	Eagle Map Guide Pro	
Eagle Journey	Eagle Map Guide Pro	
GlobalMap 12	Eagle Map Guide Pro	
GlobalMap Sport	Eagle Map Guide Pro	
GlobalNav 200	Eagle Map Guide Pro	Tracks may appear shifted in position.

MAGELLAN	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
Below is a list of units that our support and development staff have tested for use with Offshore Navigator.				
2000XL & 4000XL	✔	✔	✔	✔
Meridian	✔	✔	✔	✔
Tracker & ColorTRAK	✔	✔	✔	✔
GPS 315 & 320	✔	✔	✔	✔
MAP 330	✔	✔	✔	✔

UNTESTED MAGELLAN UNITS: Cross-compatibility:

Magellan has a wide range of GPS models. Many of them have different shapes, sizes and colors but share similar internal software. Maptech has created a number of software drivers to support Magellan models. If your model isn't listed above, there's a good chance it works, but will require picking another model's driver. Often, a single driver will work with multiple Magellan units. Below is a "cross-compatibility" list of Magellan models, based upon information received from their support staff. If you have additions or corrections for this list, please call us at 888-839-5551 or email *sales@maptech.com* with additions or corrections. Also note that Maptech technical support may not be able to fully assist you with the hookup and use of these units.

GPS Model	Reported Working As	Notes
300XL	2000XL	Also works as 4000XL
Meridian GPS	GPS 315	
Meridian Gold	GPS315	
Meridian Platinum		2000XL
NAV 6000	2000XL	Also works as 4000XL
SporTracker & SporTrack Pro	Tracker	

MICROLOGIC	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			

Any unit that supports the NMEA 0183 interface specification (version 1.5, 2.0/2.1or 2.3) may be used for real-time tracking in Offshore Navigator.

NORTHSTAR	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
941, 951 & 952	✔	✔	✔	

Northstar GPS units are not capable of storing tracks.

RAYMARINE	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	TRACKS from GPS
Any unit outputting NMEA 0183 data	✔			
RN300	✔	✔	✔	

Raymarine GPS units are not capable of storing tracks.

SIMRAD	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
	✔			

Any unit that supports the NMEA 0183 interface specification (version 1.5, 2.0/2.1or 2.3) may be used for real-time tracking in Offshore Navigator.

STANDARD HORIZON	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
GPS Chart 150	✔	✔	✔	

Standard Horizon GPS units are not capable of storing tracks.

TRIMBLE	Real-time Tracking on the PC screen	Transfer of WAYPOINTS to and from GPS	Transfer of ROUTES to and from GPS	Transfer of TRACKS from GPS
GeoExplorer II	✔	✔		
Scoutmaster	✔	✔		
Trimble handheld GPS units are not capable of storing tracks or routes. Instead, coordinate data is stored in waypoint form (single locations not grouped in sequence).				
Mobile GPS	✔			