GPS devices

The range of GPS units has become excessive. Some GPS models can only handle GPS coordinates, others support map display (so called map plotters) and street-focussed Navi-systems support dynamic autorouting.

Unfortunately many “navi-systems” no longer support the basics of GPS navigation, i.e. the classical navigation with waypoints, tracks and routes which is still the only option when travelling off-road or in remote areas. In some cases it is even not possible to enter coordinates or to display coordinates of your actual position.

In this context it is obvious that the support QV can provide concerning data exchange with various GPS models varies greatly. Following you find a listing which reflects this situation.

Concerning the question of map upload from QV to GPS models please refer to the chapter Exporting maps. In this chapter we mainly focus on the exchange of geodata!

Generally speaking, waypoints, tracks and routes can be exported to most models of the brands GARMIN (including iQue series), MAGELLAN, MLR, LOWRANCE and EAGLE (Up- und Download). However, because of the excessive no. of different models, we cannot guarantee that each model will be compatible (concerning the Magellan Triton series please read the remarks further down in this chapter).

Ccompatible GPS models

Using the following Garmin GPS models you can exchange waypoints, tracks and routes using the QV functions Send to GPS / Receive from GPS:

Garmin Map plotters:

- Garmin GPS 40, 45, III, V
- Garmin GPSMap 60 series
- Garmin GPSMap 176/276/278/378C
- Garmin eTrex Vista HCx, Legend HCx
- Garmin GPSMap 76 Cx/CSx
- Garmin Streetpilot 2610, 2720, 2820 (BMW Navigator III)
- Garmin Zumo 220/400/500/550/660 (BMW Navigator IV)
- Garmin Colorado 300
- Garmin Oregon 200/300/400/450/450T/550/550T
- Garmin Edge 605/705
- Garmin Montana 600

Using these map plotters you can also upload free Garmin IMG vextor maps from QV.

However, original Garmin map products in this format with selective map activation cannot be

uploaded. Please also note that all original Garmin maps in the NT format (all new map products) are not compatible with QV.

Raster maps like the offiicial topomaps of the national geographic surveys can only be uploaded using the Garmin Custom Maps function which is available only for Outddoor models of the new generation. You find further information in the chapter Exporting maps.

Garmin GPS models without map support:

- Garmin GPS 38
- Garmin Etrex
- Garmin GPS 60 series
- Garmin GPS 72
- Garmin ZUMO 340LM

These models support a direct data excahnge of waypoints, tracks and routes using the QV functions Send to GPS / Receive from GPS.

Magellan-GPS models:

- Magellan SporTrak series
- Magellan Meridian series
- Magellan Mobile Mapper
- Magellan Crossover

These models support a direct data excahnge of waypoints, tracks and routes using the QV functions Send to GPS / Receive from GPS.

TwoNav (CompeGPS) GPS models:

- TwoNav Aventura
- TwoNav Sportiva
- TwoNav Delta
- TwoNav Ultra

These models support a direct data excahnge of waypoints, tracks and routes using the QV functions Send to GPS / Receive from GPS.

Furthermore, thanks to an encrypted and locked map format an upload of raster map upload of all QV compatible maps in very huge map tiles is supported. You find further information in the chapter Exporting maps.

Non compatible GPS models and GPS models with limited compatibility

Following you find a listing of GPS models which do not allow for a data exchange with QV or which do only support limitednavigation functionalities.

These include:

- All typical street navigation GPS units of various brands if those do not support a data exchange through the GPX format
- Garmin Nüvi series
- Giove MyNav GPS models - However a data exchange is possible using the GPX format and the export / import functions of QV.
- Magellan Triton series - However a data exchange in both direction is possible through the Magellan-Vantage Point - Software using GPX files.
- TomTom - However a data exchange in both direction is possible through the export / import functions of QV.
- Tripy / Tripy II - However a data exchange is possible using the GPX format and the export / import functions of QV.
- Suunto X9i - However a track download is possible through the Suunto software utility after GPX data conversion.

GPS-Online mode

You can use all NMEA compatible GPS models for the GPS Online mode with QV.

Alaos some Garmin Outdoor units support this mode. These include Garrmin GPS 40, 45, III, V, Garmin GPSMap 60 and 76 series, Garmin eTrex Vista HCx, Legend HCx and the Garmin GPSMap models 176/276/278/378er series. In some case, when a GPS unit is identified as mass storage device under Windows after USB connection, it may be required to modify the system settings. For example you have to activate the Garmin spanning mode under Settings - Interfece. After PC-connection the device will ask if you want to change to the mass storage mode. Select No and the unit will work in the GPS Online mode instead.

Also the Magellan SporTrak, Meridian-, Explorist and Troton series and the Mobile Mapper can be used for the GPS Online mode. The same holds true for the TwoNav Aventura.

New in Windows 7, and 8, that especially in the computer (notebook, tablet) built-in GPS receivers are no longer accessible via a serial interface, but are registered in the system as a location sensor. The wizard GPS online mode recognizes these devices and you can then use just like external, conventional GPS receiver in the GPS online mode.

PDAs and Smartphones

Concerning the compatibility of PDA's and Smartphones the possibilities of exchanging waypoints, tracks and routes are strictly depending on the software used.

Compatibility is proved using the following products:

- PathAway (Standard and Professional) for the operating systems Windows Mobile, PALM and

Symbian.
- TwoNav for Windows Mobile, Symbian and iPhone.
- Ape@Map for Symbian

Remark:

We do our best to keep the information provided in this chapter updated. However, we cannot guarantee this list to be complete or free of eror!