

## Navigation Download and Installation Guide

Navigation is a software plugin to the Geogrid<sup>®</sup> visualization software. It enhances the Geogrid<sup>®</sup> software for communication with GPS receivers and to display and evaluate the data.

The following functionality is currently provided:

- plan routes graphically on the map
- edit a waypoint list numerically/graphically
- upload of the planned route and waypoint list to a GPS-receiver (currently Garmin, Suunto and Magellan)
- download of a recorded track from the GPS-receiver
- quick info about track parameters
- display of the track on the map
- display of the track profile, i.e. evaluation chart showing:
  - o GPS-measured elevation vs distance or time
  - o additional display of the elevation profile as given by the digital elevation model of the map data
  - o velocity of movement vs distance or time
- replay track
- edit track e.g. reduce number of track points
- convert Geogrid<sup>®</sup> graphics to navigation objects
- receive online-data from up to 4 GPS receivers
- display and maintain up to 4 GPS signals at the same time
- large variety of display features during online-tracking
- load and replay data from logfiles (format: ntl, txt, log, gpx )
- administration of navigation objects in navigation projects

The plugin is available as a beta-release free of charge via internet download.

It is compatible with the Geogrid<sup>®</sup> Viewers version 2.2 and higher (Versions 2.0 and 2.1 may be upgraded via internet download) and all military Geogrid<sup>®</sup> products version containing the plugin interface version 4.3 and higher.

The plugin is configured with a setup that looks for a Geogrid<sup>®</sup> application and carries out the installation into the software. It is recommended to observe the installation procedure carefully. If an application other than the suggested Geogrid<sup>®</sup> application is selected the path must be chosen like:

<Name of the Geogrid<sup>®</sup> application>/**bin/plugin** for correct installation.

It is recommended that the user has administrator rights when the application is started for the first time after installation, because of the required registry entries. Subsequent sessions need not to be executed with administrator rights.

For administration reasons the downloaded files have synthetic names. After the installation of the software it will appear with its original name.

Under the operating system Windows XP, service pack 2, the internet explorer sends the security warning 'Unknown Publisher'. This is why the software does not have a signature yet.

