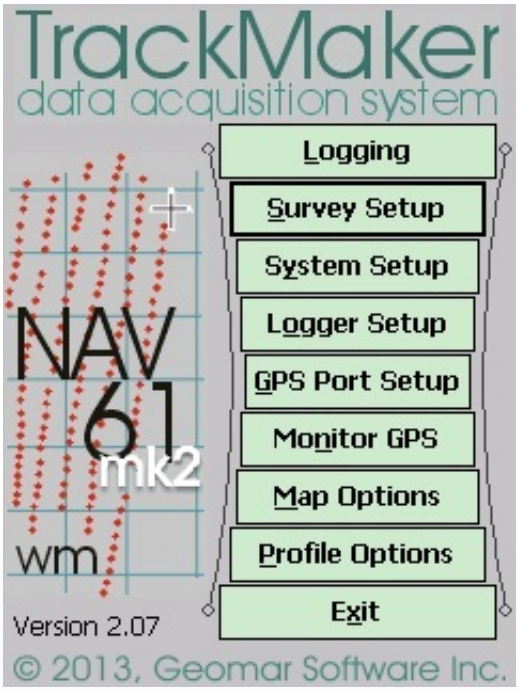
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# TrackMaker61Mk2 Data Sheet

TrackMaker61Mk2 software will allow you to perform surveys faster by covering sites with uniformly spaced lines while avoiding skipping areas, and preventing the potential overlap of survey lines. And with these features also comes the simultaneous full control of the electromagnetic instrument output, data quality, current settings, as well as GPS receiver parameters and GPS warning mask.




*Nav61Mk2 main Screen.*

GPS positions and EM61MK2 measurements are captured from their respective Comm Ports and time stamped by the software before being recorded. If the EM61MK2 and GPS system are Bluetooth enabled then the recording package can be completely wireless.

Files can be reviewed or loaded to new projects in order to resurvey an area for monitoring purposes, or to fill-in areas of sparse data coverage. In addition way points and markers can be uploaded to the display to aid operator orientation.

The TrackMaker61MK2 system works with virtually any GPS receiver by supporting NMEA messages: GGA, POS, GLL, LLQ, LLK, GGK, and Leica and Trimble Robotics Total Stations, and collects EM61MK2 and GPS data into one file simultaneously, while providing a graphical view of the collected GPS positions to better control the survey line direction. A profile view of the collected EM61Mk2__ data is provided for the improvement of field data quality analysis.

TrackMaker61MK2 consists of two programs: NAV61MK2wm is a Windows Embedded data acquisition software package which will run on most rugged handheld data loggers, our preference is the Archer2 by Juniper Systems. An accompanying post processing software packaged is supplied which converts the binary record files to a XYZ format (includes Surfer and Geosoft formats).

## Features:

- Field QC parameters (Quality Indicator, number of Satellites and PDOP)



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- Option to act as a stand-alone GPS logger (includes fast auto mode as well as more precise positions averaging), which allows data to be collected in GXY file format.
- Apply GPS antenna offset
- Convert TrackMaker61MK2 files to Geonics DAT61Mk2 format.
- Retrieve and position field comments.
- Apply System Time Constant delay (lag)

## Technical Specifications

| | |
|---|---|
| **Operating Software:** | NAV61MK2- Windows Embedded<br>TrackMaker - Windows XP-10 |
| **Sample Rate:** | EM61MK2 -4Hz or triggered by odometer 0.2m int.<br>GPS -2Hz |
| **Survey modes:** | Timed, Wheel, or Manual trigger. |
| **NMEA messages:** | GGA, GGA/GSA, GLL, POS, LLQ, LLK, GGK, and stream of Leica and Trimble Robotics Total Stations. |
| **GPS Transformations:** | Geodetic coordinates (Latitude/Longitude in degrees)<br>or UTM coordinates (meters, feet or US Survey Feet, WGS1984 datum) |

## Videos

Trackmaker tutorial
https://www.youtube.com/watch?v=g947VJW5SZA



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