FieldGenius 2012 – 6.0.1 Release Notes

June 1, 2012

Release Notes

This new version **does not** require a new license key if you are upgrading from 6.0.0. You will require a new license key if upgrading from an older version of FieldGenius.

New Licensing Modules Reminder We have changed our licensing modules.

> **Standard Module**: Includes Total Station Demo, GPS Rover (NMEA only support), GPS Demo.
>
> **Standard + Total Station Modules**: Includes Total Station Support, Total Station Demo, GPS Rover (NMEA only support), GPS Demo.
>
> **Standard + GNSS Modules**: Includes Total Station Demo, GPS Rover, GPS Reference, GPS Demo,

What's new in FieldGenius 2012 Version 6.0.1?

New Features

Major Improvement to the GNSS measurement routine – New icons were added, new measurement dialogs, raw file modifications, etc. You will find accessing the GPS measurement modes much easier than in the past.

New Point Averaging Routine: Our User Feedback Forum suggested we add a point averaging routine. So we did. Using this function, you can select a group of points and have an average coordinate calculated based on the selected points.

New Stake Elevation Routine – We added the ability to stake out an elevation without any horizontal coordinates. This allows the user to stake out a specific elevation.

Staking Improvements: We reverted back a few stakeout changes as they were not well accepted with our FieldGenius users, and there were a few unexpected issues that surfaced that we felt would be better addressed in a future release. If you encountered staking issues with a recent past release, please try this one. We apologize for any inconvenience these changes may have created.

New Prism Unlock Icon – We have had complaints that the difference between the prism lock and prism not locked icons was very difficult to see, especially in the direct sun. We changed the non-locked icon to have a red background.

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GeoMax Data Collector Internet - GeoMax GNSS receivers now have the ability to use corrections streamed from the data collector. This is useful for when your receiver does not have an internal GSM modem.

Leica TS15 and TS11 total stations can now have FieldGenius installed onboard.

Leica Total Stations using GeoCOM now have the ability to turn on, adjust power level, and turn off the **laser plummet**.

Leica RX1250 driver is working again.

Catalunya Geoid model has been added to our Spanish Geoid model download.

NavCom – We added additional data logging commands to aid in trouble shooting.

NavCom - Added a **radio status** display field in the Link Information dialog.

Ruide – We added the **R90** GPS driver.

Lithuanian Geoid model is now available for download.

The **Guatemala GTM** coordinate systems is now supported.

GeoMax Receivers: We added **covariance information to the raw file** as this was a requirement for the Turkish Government.

GeoMax Zoom 20/30 total station support has been added.

GeoMax Zoom 80 added support using an Allegro MX and a Leica RTK radio is now available.

Gons – We added Gon support for **Leica** instruments.

Text Change: Hgt to Elev: We were using the terms Hgt, height, ELEV, and elevation with no consistency so we decided to stick with Elev.

Sample Project coordinates have been shifted to be more GPS demo friendly.

Added a **help** icon for the **Elevation Staking** dialog.

South GPS drivers: We now support the **S82T** and the **S86V** receivers.

Kolida: We added the **K9T** GPS driver

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Bug Fixes

- Fixed a missing **Profile** button in the Slope Staking toolbar.
- Fixed a bug with the **staking** and the **staking list**. You will no longer see any staking list warning messages when you are not using a Staking list.
- Fixed a bug where **line staking** very close to a **right angle** displayed the wrong stationing.
- Fixed a display bug in the Settings menu. The field was displaying **question marks**. The text should have read, "**Use Next Nearest**" as it does now.
- Fixed a **crash** related to importing and then removing **XML surfaces**.
- Fixed the **search routine** in the points database. Previously when a user reached the last sequential point in the points database, a warning message would appear alerting you that you are at the end of the points list. Now we further search the database for additional points to stake out.
- Fixed a bug in the Import Coordinate File dialog for when you placed a check mark in the **Overwrite Existing Coordinates** check box and then selected a file to import, the check mark was not retained and you had to place another check mark in the box. It is now fixed.
- Improved system performance in many different areas. You will notice that overwriting existing points during an ASCII file import is much faster, for example.
- Fixed an issue with the United Kingdom's **OSTN02** coordinate systems.
- Fixed a bug where if you attempted to **calculate a volume with no points** in the database, you would get an error message with only **a question mark** in it. You now get a warning message explaining the issue.
- Fixed NTRIP connection issue with **Leica GS15** on first connection.
- Fixed an issue with **Prexiso** driver was displaying **incorrect RMS values**.
- Fixed a **crash** when a staking list is used and the **None** instrument type is selected.
- Fixed the **Nearest Search** button in the Point Staking dialog. In the past it only presented the first point in the list. Now it searches and presents the closest point to stake out with respect to the sensor's location.
- Made some refinements to the Coordinate Systems Editor dialog.
- Fixed a wrong answer bug where an **incorrect elevation** was displayed when measuring from a point that **does not have an elevation**.
- Fixed a bug where an **LandXML profile** was not being displayed in the **Stake Alignment** dialog.
- **Leica 1200** robotic total station would lock up when attempting to lock onto a prism while using radios. A threading issue was the cause.
- **South GPS** driver: Fixed a bug where **no mountpoints** were being listed in the Sourcetable dialog.
- **South GPS** driver: Fixed an issue where FieldGenius was **not testing the RTK correction** stream prior to presenting the Link Configure dialog.
- **Tablet PC Build**: fixed a bug that prevented this device from connecting to a **Leica GS15** and **TS15 via Bluetooth.**

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- **Leica TS15**: Fixed a bug where the **guide lights** could not being turned off after turning them on.
- **Missing Help Topic**: Fixed a bug where a link to a help file for **line stating** did not work.
- Made a tweak to the connection process for connecting **a Getac 236** data collector to older **Topcon** instruments such as the GTS200, GTS300, and older series of instruments.
- **Leica CS15**: point select context menu's **text was too small**. The text is now the same size as the rest of the dialog.
- Fixed a **crash when creating a new project** while connected to a GPS receiver. This issue only applied to older legacy devices.
- The PPTime record was not getting written to the raw file. This is fixed.

MicroSurvey FieldGenius Beta Testers

First of all I would like to personally thank all of our beta testers who actively participated in this past beta release period. Your efforts and feedback are invaluable to the continual improvement of the software.

Would you like to become a FieldGenius beta tester?

We are always looking to add new testers to our beta team. Are you the type of person who likes to see a release before everyone else does? Do you like to contribute to making the product you use every day better? Do you enjoy discovering an issue and then seeing it fixed in a future release? There are many other benefits too.

We have only a few requirements of our testers. You must be an existing FieldGenius user and use the product almost every day. We are looking for testers who have an eye for detail and enjoy discovering and reporting issues. We also want new feature suggestions as well from our testers. If there is something you would like to see added to or improved in FieldGenius, beta testers have a direct access to the product manager.

If you are interested in becoming a beta tester, please contact John Coldrick at John.Coldrick@microsurvey.com.