

FieldGenius 2012 –6.0.6.6 Release Notes

July 29, 2013

Release Notes

If you are currently licensed to run any version of FieldGenius 2012 (V6.0.0. or higher) this upgrade is free of charge and will not require a new license key. For those upgrading from older versions please consult your dealer/distributor or MicroSurvey representative for details on purchasing your upgrade.

What's New in FieldGenius 2012 Version 6.0.6.6?

New Features

- **Target Manager.** We have had many requests on our user forum for a Target Manager, and we listened. We added a Target manager so that you can now easily use **multiple** and very **different targets** within a survey. You can define what your backsight target and your foresight targets are. You can add as many of your own user-defined targets or use some of the predefined targets that come with this new Target Manager. We have also added a section on **Leica Geosystems** specific targets that includes their associated **Absolute** and **Leica constants**. This is the first stage of this implementation. More features are yet to come such as a setting for a prism search to ignore the backsight prism.
- Added **point scanning support** for the **Leica Nova MS50 Multistation**. Scan data can be imported straight into **MicroSurvey Cad 2013 Ultimate** and **Studio** as both now support MS50 scanning data.
- Added the **Quick Fix** measure mode to the **GeoMax Z25** GNSS driver.
- We added a “**Turn off Use Staking List Option**” check box in the **Stake Next Point** dialog. We did this to make it **easier** to turn off using the staking list as sometimes you don't want to use a list even though you have it enabled.
- Help pages updates.

NavCom Specific Features Added

- **StarFire Rapid Recovery**
- Added a new GLONASS RTK Bias dialog to support **3rd-party GLONASS RTK**
- Added the ability for the receiver to **automatically start logging GNSS data on start up**
- Added the **StarFire Over IP** option to the **Sensor Information** dialog. If you have this option then the field will report **Enabled**
- Added **Radio Information** to the **Link Information** dialog
- Added help files and links to NavCom Specific dialogs.

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New Instrument Drivers Added

- Leica Geosystems Nova MS50 Multistation
- FOIF RTS350 total station
- Leica Geosystems iCON60 GNSS receiver
- Acnovo RX9 and BX9 GNSS receivers

What's Fixed in FieldGenius 2012 Version 6.0.6.5?

- We removed the **tolerance** check when **staking to a surface**. There shouldn't be a staking tolerance check in this situation.
- Fixed a **slowness** issue in the **Leica TPS Series (GSI) driver**.
- Fixed an issue with how we were displaying **staking directions** when using a **South Azimuth**.
- Fixed a data entry issue with the **Offset Toolbar**.
- Fixed an issue when **exporting points** in an **ASCII format** using the **Portuguese** language file. No points were being exported.
- Fixed an issue where the **Kolida total station onboard desktop icon** was not persistent and would disappear after shutting down FieldGenius.
- Fixed an issue with the **deltas** generated when exporting the **LM80 format** in the **Cut Sheet Report** generator.
- Fixed a **prism searching** issue with the **Topcon** robotic driver, and added a more meaningful prism search error message when using a Topcon robot.
- Fixed an issue with the **Laser Plummet** when connected to a **Pentax W800** total station. The plummet wasn't turning on.
- Fixed a bug within the level dialog when connected to a **Pentax** total station. If the unit was **perfectly level**, FieldGenius would display "**Invalid Level Data**".
- Fixed a bug where **quadrant codes** were not being applied in the **Traverse Toolbar**.
- Fixed an issue with **connecting to Leica TS15s**. A port number had changed.
- Fixed an issue where the **South total station onboard desktop icon was not persistent** and would disappear after shutting down FieldGenius.
- Fixed a bug where there was no longer a **default file extension** provided when you are attempting to **export an ASCII file**. We now default to the **text (.txt) extension**. You can always override this setting if you want to use a different extension.
- Fixed a **device ID** issue with **South** total stations.
- Addressed an issue with **Altus** receivers where too much RTCM data was being transmitted via the **GNSS reference receiver radio**, and this was causing radio problems for Pacific Crest and Satel radios. If you selected RTCM 3 then you would see the transmit light stop flashing.
- And many other small fixes.

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NavCom Instruments Related Fixes

- **Turned off all default messages** streamed across COM 1 and 2.
- Fixed an issue where no **PP record** was getting written to the **RAW file** when **Auto-Logging** is used.
- Fixed an issue where the **StarFire Satellite Number** field was not being populated.

New Coordinate Systems and Geoid Models

- Added 2 **Croatian** Coordinate systems: **HDKS Zones 5 and 6**.
- Posted the **HRG2009** and **TRST** geoid models for **Croatia**. The HRG2009 geoid model is based off of the HTRS datum, and the TRST model is based off of the older HDKS datum.
- Added the **SLD99** coordinate system for **Sri Lanka**. You can find this in the Asian Systems group.
- Added 2 coordinate systems for **Costa Rica: Norte and Sur**.