



MicroSurvey FieldGenius 3.3 – Service Pack

Release Notes

MicroSurvey FieldGenius 3.3 Service Pack (v 3.3.10963)

July 20, 2026

Table of Contents

Critical Fixes 3

 GNSS Base setup in the project using Local Transformation 3

Security Improvements 3

Additional Fixes 4

Known Issues 5

MicroSurvey FieldGenius 3.3 – Service Pack

The FieldGenius 3.3 Service Pack resolves several issues affecting projects that use local coordinate transformations, enhances GNSS reconnection behaviour, improves RAW file export, and addresses multiple user interface usability issues on mobile screen devices. This release also includes an SQLite security update and fixes for workflow interruptions that could impact field productivity.

Critical Fixes

GNSS Base setup in the project using Local Transformation

- **Base Setup:** Fixed an issue where repeatedly setting up a base station in projects with a local transformation caused the base coordinates to be set up in an incorrect position. The original geodetic position is now preserved during subsequent base setups [[screenshot](#)].
- **Base Setup:** Prevented base setup from using Cartesian coordinates in projects with a local transformation, avoiding incorrect base setup coordinates [[screenshot](#)].
- **Base Setup:** Fixed an issue where storing a base station point in a project with a local transformation placed the point at its untransformed Cartesian position [[screenshot](#)].
- **Base Setup:** Fixed an issue where using an averaged point for base setup in a project with a local transformation showed incorrect base coordinates [[screenshot](#)].
Note: The base position is recalculated from the averaged Cartesian coordinates, so minor rounding differences may occur. If you require the exact base position, enter the latitude, longitude, and ellipsoidal height directly, then save the point.

Security Improvements

- **Security:** Updated SQLite packages to address a known SQLite vulnerability that could cause memory corruption.

Additional Fixes

- **GNSS EOS Arrow receiver:** Fixed an issue where reconnecting to an EOS Arrow receiver on Windows required restarting FieldGenius. Reconnection now works without restarting the application.
- **GNSS:** Fixed an issue where reconnecting to a base receiver through the reconnect prompt incorrectly reconnected to the rover profile [[video](#)].
- **Export:** Fixed a crash that could occur when performing a batch export of a RAW file from the Projects page before opening a project [[video](#)].
- **Export:** Fixed an issue where exported RAW files contained incomplete Check Shot and Backsight Check records after reopening a project [[screenshot](#)].
- **Map:** Fixed an issue where point labels could disappear when the map background was set to Blank or after switching map backgrounds [[screenshot](#)].
- **UI:** Fixed on select mobile devices where the Change Prism button only responded when tapped in a specific area. The entire button is now consistently responsive [[screenshot](#)].
- **UI:** Fixed an issue on small-screen devices where the Layer selection button in the Edit Code dialogue was obscured by the Save button, making it inaccessible [[screenshot](#)].
- **COGO:** Fixed an issue where traverse calculations failed when the azimuth was defined by two points with long names. Point-to-point azimuths are now calculated correctly regardless of point name length [[screenshot](#)].
- **Total Stations:** Fixed an issue where the prism lock was lost after storing a point when TRK and Auto Search for Prism were enabled simultaneously. Tracking now remains active between measurements [[video](#)].

Known Issues

- **NMEA driver** - Not tracking more than 12 satellites with SparkFun Facet and Juniper Spire receiver
- FieldGenius may unexpectedly crash when configuring a **Hemisphere S631 GNSS base** receiver on a Juniper **Archer 4 controller**, if not connected to Wi-Fi
- **Leica GS16** - UHF internal radio module may report “Incompatible Radio Settings” despite correct configuration, which prevents RTK operation
- **GeoMax Zoom80** with **ZRT81 radio handle** does not work
- **FOIF A90** – “Invalid GNSS message” error may occur when using NTRIP corrections
- **FOIF A90** – IMU calibration and initialization are currently not functioning correctly
- **GeoMeasure GM52**: sometimes not taking distance measurement
- **GeoMeasure GM52**: does not recognize F2 observation
- **GeoMeasure GM52** in combination of Juniper Archer 4 is unstable
- FG may crash when switching between portrait and landscape orientations during measurements on the Survey screen
- **Stonex R20** - Unable to change targets
- **Leica CSX8 tablet** - Configuration Files Reset to 0 KB [After upgrade to Android 14]
- **Leica CSX8 tablet** - Unable to use internal antenna
- **Mesa 3 tablet** [Android 14] may freeze after ~30 minutes of surveying when map lock and linework are enabled, potentially causing an Android Abort crash on the Measure page; Recovery requires a full power cycle of the Mesa 3 device
- **GIS Attributes** - Default True/False is reversed
- **GIS Attributes** – Averaging a point that contains GIS attributes may fail with a “Repository Operation has failed” error message
- **Raw file issue** with Star*NET import: Raw file export is written differently than FieldGenius Legacy when storing Total Station Backsight direction and point simultaneously (Workaround: Observe Angle only, then take side shot separately)
- **Rotate/Translate/Scale**
 - When observed points are transformed, the Observation Detail page and GNSS report display the observed Cartesian coordinates, while the point list displays the transformed coordinates
 - Points containing GIS features cannot be translated, rotated, or scaled
- **CHC drivers** are available only on the Android platform

- **Auto-recording** - delay in storing points when collected in 1sec paste
- **Import DXF/DWG** – various issues while importing CAD drawings
- **Septentrio NR3** - Issue with receiving corrections
- **Spectra Precision 60** – Issue with configuring UHF radio
- **3D View** - is only available on Android. Windows users can only view in a 2D top-down view
- On some Android devices, FieldGenius does not automatically launch after installation. However, it is installed; the Application must be started manually
- **Czech S-JTSK Issue:** Coordinate conversion error when adding from external reference between Quadrant 1 and Quadrant 3, and vice versa