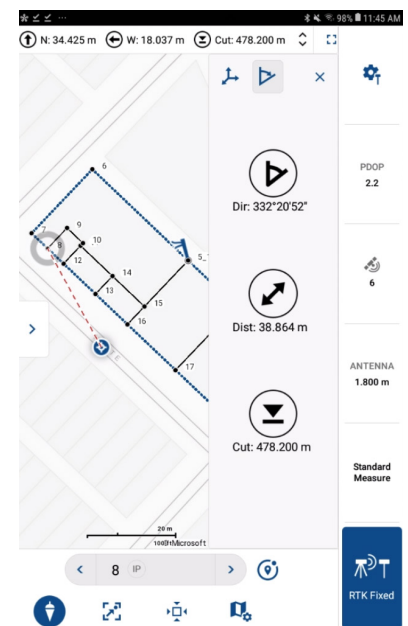# Decades of innovation now for Android™

MicroSurvey brings decades of experience in land survey mobile field data acquisition to a new platform. FieldGenius for Android™ is the first deployment of a new multiplatform architecture that will support running FieldGenius on a wide variety of device and operating systems to include Windows UWP, Apple iOS and Android™. The Version 1.0 release of FieldGenius for Android™ provides support for core survey functionality on Android™ tablets. The application incorporates new user interface designs utilizing collapsible toolbars and data panels that are synchronized with the survey and staking map views. MicroSurvey has maintained its industry leading real time display of survey data and field observations on interactive maps. FieldGenius for Android™ builds on the historic FieldGenius intuitive workflows that provides surveyors with the information they need in the field to efficiently take observations and make decisions. MicroSurvey focus on designing the new FieldGenius multiplatform product was to provide critical information at the point of work while maintaining efficient field workflows.

Version 1.0 of FieldGenius for Android™ will provide the user with the ability to:

- Measure points in the field.

- Conduct COGO calculations and save the results using project points.

- Create line work on the go while collection points.

- Easily assign codes to points.

- Improved editing of line segments in the field.

- Updated point staking workflows and navigation displays.

- Display of satellite maps and images as background files in the map view screen.

- Access to the MicroSurvey library of coordinate systems, geoids and grid shift files.

- Support for a wide number of GNSS receivers from major Original Equipment Manufacturers.

- Rapid deployment of new features and bug fixes

(Stacking a point in FieldGenius For Android)

The release of FieldGenius for Android™ is the first step in MicroSurvey's strategic plan to provide surveyors with a mobile application for data collection that will be brand neutral, device independent and work on all major data controller hardware systems. When complete, this FieldGenius multi-platform product will run with the same functionality, look and feel on a wide variety of mobile devices. This will reduce staff training and maximize the utilization of your equipment inventory.

As part of the new multi-platform program, MicroSurvey is adopting a rapid deployment model for adding new functionality and fixing reported bugs. New releases of FieldGenius for Android™ are planned for release approximately every 6 weeks as we continue to build out the application functionality, add support for new devices and operating systems. As part of this new development and deployment model MicroSurvey has set up an early adopter program, the MicroSurvey Technology Innovation Group (MTIG), to enlist customers in helping set the direction and priorities of the development effort. This will allow quicker input and turnaround to see the features you need incorporated into the development effort, so they are ready for field use sooner.

Features & Benefits

Feature	Benefits
FieldGenius For Android™ tablets	• Less expensive field data collector devices • Improved graphics support, screen size and speed • Runs on Android™ 7 inch and larger tablets
Easy-to-use Data Collection	• Intuitive, consistent interface, familiar core workflow as existing FieldGenius reduces training time • Real time graphics display of observations
New software architecture	• Modern interface to with background maps and satellite images • New quick access data panels to display project data in the map view screen • Survey data stored in an SQLite database
Updated User Interface	• Easy to create and edit linework • Clear and easy to see staking navigation • Dedicated survey map view • Dedicated Staking map view • Display external projects and data with project information • Display base maps and satellite images
FieldGenius Coordinate systems	• Use existing MicroSurvey coordinate systems library • Use existing MicroSurvey Geoids and Grid Shift Files
Support for many GNSS receiver drivers	• Brand neutral support for most popular models of GNSS OEM receivers around the globe
Continuous software deployment	• Adoption of continuous deployment strategy • Quicker deployment of bug fixes • More frequent software releases • Reduced time to add new features

Device Specification

Required

- Operating system - Android OS 6.0 (Marshmallow) or newer
- Form Factor – Tablet 7 inch screen or larger
- (Phone Form factor – Coming Soon)
- Processor - 1.2 GHz (2 cores)
- Internal Memory – 16GB ROM
- Ram Memory – 1 GB
- Battery 4200 mAh
- Bluetooth 2.0
- Display – 1280 x 800
- 7 Screen resolution dots per inch (DPI) - 215
- 8 in screen DPI - 188

Recommended

- Processor – 2.2 GHz (4 cores)
- Internal Memory – 32GB ROM
- Ram Memory – 2 GB or more
- Battery size - 5000 mAh
- Bluetooth 4.0
- WiFi - 802.11 b