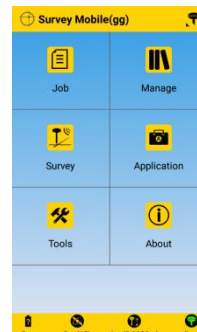# RELEASE NOTES

Spectra Precision Survey Mobile

Survey Mobile v2.0.0 Release Notes

Spectra Precision Survey Mobile (SPSM) is an easy to learn and simple to use field software for surveyors who want to get their work done fast and efficiently. The user interface is designed to be simple and straightforward so surveyors can be productive immediately.

Hardware and Operating System

Item	Requirements
Handheld Operating System	Android V4.3 or above
Handheld Processor	Armeabi-v7a
Handheld Screen Size	4.2 inches or above
GNSS Receiver	SP80, SP60
Total Station	FOCUS 6, FOCUS 8, NIVO C/M, DTM/NPL-322

Features and Functions

Functions	Sub-Functions
Job	• New job • Save job • Open job • Close job • Delete job • Modify job
Coordinate System	• Standard coordinate system • Customized coordinate system • No datum no projection

	• Scale 1.0
Site Calibration	• Site calibration • Single point calibration
Receiver Control	• Scan/Connect/Disconnect • Rover RTK configuration (Radio) • Base RTK configuration (Radio) • Rover RTK configuration (Network) • Base RTK configuration (Network) • Rover RTK configuration (Bluetooth) • Base RTK configuration (Bluetooth) • RTX configuration • Internal radio configuration • Receiver status • Receiver properties • Satellite configuration • Antenna configuration • Battery configuration
Total Station Control	• Scan/Connect/Disconnect • Total station status • Total station properties • Target configuration • Laser configuration • Battery configuration
GNSS Survey	• Point survey • Control point survey • Offset survey • Fast survey • Static survey • Stop & Go survey
Optical Survey	• Station setup • Topo point survey • Offset survey • Measure rounds • Traverse survey
Stakeout	• Point stakeout • Line stakeout • Fast stakeout
Define	• Define point • Define line • Define traverse
Manage	• Settings • Coordinate system management • Data management • Device management • Rover configuration management • Background map management

Import	• Import Survey Mobile point (txt, csv) • Import AutoCAD (dxf) • Import Trimble JobXML (jxl) • Import Trimble road design (rxl) • Import Survey Mobile coordinate system (scs)
Export	• Export point (txt, csv) • Export South CASS point (dat) • Export survey data (dxf) • Export Trimble JobXML (jxl) • Export Trimble road design (rxl) • Export coordinate system (scs) • Export static survey report (txt)
COGO	• Area • Perimeter • Azimuth • Distance • Coordinate
Road	• Define road • Stakeout road • Road management
Map	• Survey data (point, line) • DXF (point, line, polygon, circle, arc) • Road horizontal alignment • Auto scroll • Zoom extends
Language	• Chinese Simplified, English, French, German, Spanish, Italian, Portuguese Brazil, Russian, Polish, Japanese, Turkish, Greek • Language switch in application

New Features

No.	Description
1	Add optical survey including total station control, station setup, topo point survey, offset survey, measure rounds, traverse survey, point stakeout and line stakeout.
2	Add Gons for angle unit.
3	Add temperature and press in settings.
4	Add Greek language support.

Enhancements

No.	Description
1	Point coordinate storage changed. The coordinate type will be kept as when it was saved. The coordinate will not be changed after site calibration. All types of coordinate can be imported no matter what types of coordinate system used in current job.

Bug Fixes

No.	Description
1	Fix export jxl crash when large number of points in job.
2	Fix export jxl failed when no grid coordinate system in job.

Known Issues and Limitations

No.	Description	Work around
1	Import DXF elements failed when current coordinate system using a regional Geoid	Please select a coordinate system without Geoid or with a global Geoid.
2	Map will become slow when point number is larger than 1000.	Click the "Extends" button and then zoom in to a smaller scale to view, which will be faster.