



Software Release Notes

Survey

DATE: FEBRUARY 26, 2014
PRODUCT: FAST SURVEY
SUBJECT: NEW FAST SURVEY RELEASE
NUMBER: **V4.0** (4.0.7)

Introduction

This release is a new version for FAST Survey. It includes support of the new Spectra Precision SP80 GNSS receivers, as well as several few features, enhancements and bug fixings.

This is a major release, thus requires an upgrade code from the previous version (3.1).

FAST Survey 4.0 application software is compatible with the following devices and data collectors:

- ProMark 100, ProMark 200, MobileMapper 100
- ProMark 200, ProMark 220, MobileMapper 120
- MobileMapper 10, MobileMapper 20
- Ranger 3 Data Collector
- T41 Data Collector

And with the following external GNSS receivers:

- SP80
- ProMark 800
- ProFlex 800
- ProMark 500
- ProFlex 500
- EPOCH 50

Components

The installation program is available on the Spectra Precision web site (under *Support* tab):

<http://www.spectraprecision.com/products/surveying-software/fast-survey/>

- [FASTSurvey_WindowsMobile.exe](#) - this setup program installs FAST Survey in English language
- [FASTSurvey_WindowsMobile_Intl.exe](#) - this setup program installs FAST Survey in one or several languages (including English)

Please note: an upgrade from an earlier version (v3.1) requires using a new serial number specific to the v4.0 version. An upgrade code Part Number is available on the Spectra Precision data collector price list.

To install FAST Survey you should establish a Microsoft ActiveSync connection between your PC and the data collector and execute the respective FAST Survey exe file on your PC. Then follow the instructions.

Registering as a FAST Survey User

The first time you start FAST Survey, you will be prompted to register your license of the software. If you do not register, FAST Survey will remain in demo mode, limiting each job file to a maximum of 30 points.

How to Register

FAST Survey registration is done via the Internet at the following address:

- <http://www.surve.com/FASTSurvey>

Open FAST Survey on the handheld device and navigate to the EQUIP tab and then to the About FAST Survey choice. Select "Change Registration". You will be required to enter:

- Your company name
- Your phone number
- Your email address
- Your FAST Survey serial number
Hardware ID Number 1
Hardware ID Number 2
- The registration code that the program will generate

After you submit this information, your change key will be displayed and emailed to the address you have submitted. Keep this for your permanent records.

If you do not have access to the Internet, you may fax the above information to (+1) 606-564-9525. Your registration information will be faxed back to you within 48 hours. During this time, you may continue to use the program but with the 30-point restriction.

After you receive your Change Key, enter it and tap OK. You can then create a new FAST Survey job.

Saving your registration in the Data Collector

With your devices, the code is automatically and safely saved at the end of the registration procedure (no extra save operation is required).

If it is not the case after you register FAST Survey, you may need to perform a RAM backup or a System Save to be sure your authorization code will not be lost the next time the data collector reboots. If you cannot find this option on your Start menu, then open the Control Panel and choose RAM backup (such a need is not applicable to all data collectors).

Languages supported

The following languages are supported with this version:

- Chinese
- Czech
- Dutch
- English
- French
- French Canadian

- German
- Greek
- Hungarian
- Italian
- Korean
- Norwegian
- Polish
- Portuguese
- Romanian
- Russian
- Serbian
- Spanish
- Turkish

New features/Enhancements/Changes

- Support of the new Spectra Precision SP80 GNSS receiver
- Support of ProMark 700 raw data recording (including tags, file manager and download)
- Support of EPOCH 50 raw data recording (including tags, file manager and download)
- Support of MobileMapper 20 data collector
- Support of RTCM3.1 1021-1023 messages when using EPOCH 50 or ProMark 700
- Graphical icon-based user interface (in portrait mode)
- RTCM 3.1 projection: parses projection and Geoid info from RTCM 3.1 messages
- Cloud services: messaging and file transfer; view crew members or share jobs in the field
- Stake the nearest point
- ESRI Integration: load Esri maps and input-edit GIS attributes
- NGS survey mark query & NGS monument search
- Camera integration: attach pictures to points and linework
- Export KML/KMZ files for Google Earth
- Navigation in store points
- Redesign of GPS localization
- Directional stakeout for GPS
- Unique installation file with multiple languages chose during installation

Resolved problems/Improvements

- When ProMark 700 and EPOCH 50 computes an SBAS DGPS position, FAST Survey displays now the position status as *DGPS* instead of *Autonomous*
- ProMark800 / ProFlex800: Galileo satellites are now displayed properly in the Monitor Skyplot

Known issues

- The antenna name of the SP80 receiver depends on the physical presence of the UHF module. It may happen that FAST Survey displays a wrong antenna name. It is only a displays issue and it has no impact on the data logging results.

- ProMark 700 GNSS receiver: NTRIP connection to some specific NTRIP casters may not be very reliable (system reset is recommended in such a case)
- ProMark 700 / EPOCH 50 rover in Direct Dial (CSD) mode with MM10/T41/Ranger3 data collectors does not work
- Localized versions of FAST Survey may contain English words, truncated strings, etc. in some screens and menus
- ProMark 800 with ADL Rx UHF radio: if the channel 1 is empty, FAST survey generates an alarm.

Recommendations

- It is recommended to uninstall previous FAST Survey version and delete manually \FAST Survey\ folder from the data collector before installing the new one.
- The RW5 file format contains some modifications compared to FAST Survey v3. It is important to use Spectra Precision Survey Office v2.96 or v3.11 in order to import properly a job file into Survey Office software.