



## Software Release Notes

## Survey

DATE: JUNE 27, 2014  
PRODUCT: FAST SURVEY  
SUBJECT: NEW FAST SURVEY RELEASE  
NUMBER: **V4.1** (4.1.11)

### 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), but is a free of charge if the version v4.0 is already installed.

FAST Survey 4.1 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 the earlier version v3.1 requires using a new serial number specific to the v4.1 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.

**When upgrading FAST Survey the first time on a Ranger 3, it may happen that the installation is not completed and two messages like “Unable to install ... Will require manual installation” are displayed. If it happens, you need to re-do another time the FAST Survey installation and then all the components are installed properly.**

### 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.survce.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 FOCUS 30 robotic total station

## Resolved problems/Improvements

- The base elevation displayed on the Ref tab in Monitor/Skyplot was the elevation of ARP. It is now the elevation of the ground mark.
- The base elevation in the RW5 file (BP line) was not correct, so all the imported elevation in SPSO was wrong when the RW5 contained vectors. The BP line contains now always the elevation of the base phase center so that the import into SPSO is correct.
- In some VRS networks, there was inconsistency in the RW5 file between the base ID in base position line and the base ID in the vectors. The consequence was that SPSO failed to import these files.
- T41, ProMark 100, 120, 200 & 220 installation problems.
- FAST Survey did not display the radio channels when the radio contained 32 channels.
- FAST Survey set the recording rate to 256 seconds instead of 1 second for the ProMark700/Epoch50 raw data logging
- When selecting the predefined provider Cingular, FAST Survey sent a wrong command to receiver.
- German localization has been improved.
- Alert screens are now translated into German, French, Spanish and Russian

## Known issues

- FOCUS 30 with French radio: this version of FAST Survey is not able to communicate with the FOCUS 30 when the Ranger 3 contains a radio configured for France (e.g. RG3-R51-002 or RG3-M51-002).
- FOCUS 30 connection issue: FOCUS 30 may display « Radio Link Lost » at connection while connection is physically succeeded. If it happens, go on your job as usually and reconnect if required.
- 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.
- Localized versions of FAST Survey may contain English words, truncated strings, etc. in some screens and menus

## 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.
- GPS Search function with FOCUS 30: when using the feature GPS Search, FAST Survey must communicate with the GPS of the Ranger 3.