



## Software Release Notes

## Survey

**DATE:** OCTOBER 27, 2011  
**PRODUCT:** FAST SURVEY  
**SUBJECT:** NEW FAST SURVEY RELEASE  
**NUMBER:** V2.8 (2.8.6)

### Introduction

This release is a new version for FAST Survey. It is an update of the latest version of FAST Survey V2.7.3 including new Spectra Precision GNSS receiver ProMark 800, several enhancements, and bug/FNC fixes.

FAST Survey 2.8 application software is compatible with the following devices:

- ProMark 100, ProMark 200, MobileMapper 100 (W091Ht23)
- FT-1 data collector
- MobileMapper CX
- MobileMapper 10
- MobileMapper 6

And with the following external GNSS receivers:

- ProMark 800 (S715Gs24)
- ProMark 500 (S530Gt23)
  - N.B. For ProMark 500 an upgrade to S608... FW version is required in order to support new FAST Survey features coming with this release, otherwise ProMark 500 being based on the previous version shall stay with 2.7.3 version
- ProFlex 500 (S608Gt23)
- Z-Max (not tested)

### Components

The installation program is available on the FAST Survey CD and on the FTP site:

- <ftp.ashtech.com> (folder: /Land Survey/FAST Survey/Software/)

To install FAST Survey, you must 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/Ashtech>

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 Field Terminal

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 field terminal 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 terminals).

## Languages supported

The following languages are supported with the version 2.8:

- Chinese
- Czech
- Dutch
- English

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

Note that FAST Survey Compact Disc does not include all the languages, but only a part of them. All the languages are present on Ashtech FTP.

## New features/Enhancements

- **New GNSS receiver support:** new Spectra Precision GNSS receiver ProMark 800 is supported for RTK Base and RTK Rover configuration;
- **New messages for Satellite information:** to display satellites information (e.g. in Monitor/Skyplot) SAT messages are replaced with a new SGP (GPS+SBAS), SGL (GLONASS), SGA (GALILEO) messages for all ProMark/ProFlex series;
- **GALILEO switcher:** for ProMark 800 receiver, a user is able to turn on/off (the default is off) Galileo satellites in tracking (in RTK Base/Rover configuration under Advanced tab);
- **Known coordinates of the base after RTK Base configuration:** after RTK Base configuration, a user is able to see entered base coordinates in Monitor/Skyplot under Ref tab;
- **NMEA output:** during RTK Base/Rover configuration, a user is able to start/stop outputting NMEA messages (namely, GGA, GLL, RMC, VTG, GSV, GSA, ZDA, GST) at the specified rate to a selected port. It can be done under Advanced button;
- **Common base-rover satellites:** being in RTK Rover mode, a user may see a special sign “C” for satellites which are common for the base and rover (in order words corrective information for satellites which have corrections from the base). This information is present in Monitor/Skyplot screen under SATInfo tab;
- **Stakeout of the nearest point:** a user has now a possibility to stakeout points in the order of distance from the current location (from the closest to furthest). Once a chain of points has been specified by a user and added to the list (in \Survey\Stake Points\), a user should press “binocular” button to apply this technique. Without pressing “binocular” button a user will have to stake points in the order they are present in the list as it was with previous FAST Survey version;
- **Time on site in RW5 file:** time on site information is now present in RW5 files. This information is used/displayed in GNSS Solutions;
- **GSM Modem reset:** GSM Modem reset (Power Off and On sequence) has been added to GPS Utilities;

- **2G or Automatic 2G/3G power mode:** for ProMark 800, the internal GSM modem power mode can be set to either 2G or Automatic 2G/3G mode (2G mode consumes less power);
- **Internal and external ADL radio support:** internal and external ADL radios are supported for ProMark 500/800 and ProFlex 500;
- **Satel radio support:** Satel radio is now supported for ProMark 500/800 and ProFlex 500;

## Resolved problems/Improvements

- **FNC#1697:** problem with GIS attribute type
- **ThBug00083893:** US feet unit not available on ProFlex/ProMark screens
- **ThBug00084703:** DGPS status for SBAS differential solutions
- **ThBug00084642:** Can't delete a Raw Data file
- **ThBug00084227:** ProMark200 using WiFi indicating GSM on line
- **ThBug00084486:** Space optimization in Receiver Information menu

## Known issues

- **Localized versions of FAST Survey:** localized versions of FAST Survey may contain English screens and menus in some cases , truncated strings, etc
- **Raw data logging:** sometimes raw data logging (in \Survey\Log Raw GPS\ menu) cannot be conducted in the case of newly installed FAST Survey. To fix this issue you need to pass first though RTK Rover configuration in \Equip\GPS Rover\ by selecting Cable or Generic Device under RTK tab.

## Recommendations

- **Installation procedure:** It is recommended to uninstall previous Fast Survey version and delete manually \Fast Survey\ folder from the terminal before installation the new one.