ashtech

Software Release Notes | **Survey**

DATE: **JULY 21, 2011**
PRODUCT: **FAST SURVEY**
SUBJECT: **NEW FAST SURVEY RELEASE**
NUMBER: **V2.7** (2.7.3)

Introduction

This release is a new version for FAST Survey. It is an update of the latest version of FAST Survey V2.6.0 including several bug fixing and the support of the new Ashtech MobileMapper 10 platform.

FAST Survey 2.7 application software is compatible with the following devices:
- ProMark 100 and ProMark 200 (including MobileMapper 100)
- Ashtech FT-1
- MobileMapper CX
- MobileMapper 10
- MobileMapper 6

And with the following external GNSS receivers:
- ProMark 500 (S530Gt23)
- ProFlex 500 (S608Gt23)
- Z-Max

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.survce.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 2.7:
- 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

- **DGPS vs. SDGPS**: Fast Survey displays DGPS for classical DGPS mode and SDGPS for SBAS when working with ProMark/ProFlex GNSS receivers (note that System SW should be updated in order to provide such ability)
- **The timeout in NTRIP mode**: The time out to download NTRIP source table in RTK mode is increased from 20 seconds to 1 min 45 seconds to fix issues with invalid loading of NTRIP source table in some cases
- **Flying RTK option**: In the list of options Raw Data option is replaced by Flying RTK option.
- **Caster option**: If a GNSS receiver has a CASTER option it is properly displayed in the list of options in Fast Survey
- **New Satel radio support**: A new Satel radio (Satelline-EASy) is supported (see also Known Issues section)
- **New Mobilemapper 10 platform support:** New Ashtech MobileMapper 10 is supported by Fast Survey. The name of the executable on the CD and FTP is FASTSurvey_MobileMapper10.exe. Fast Survey running on MobileMapper 10 device has a corresponding icon on Today screen after installation

Resolved problems/Improvements

- **FNC#2407:** NMEA GPS receiver provides invalid height (the issue is fixed)
- **FNC 1754:** Site Attribute does not populate Description field (the issue is not reproducible)
- **FNC 504:** Base station seen as many points instead as one point (the issue is not reproducible)
- **FNC 1046:** Antenna height is missing in Fast Survey (the issue is not reproducible)
- **FNC 1180:** FAST Survey GSM Errors (the issue is not reproducible)
- **FNC 1618:** Wrong Average residual in Fast Survey (the issue is not reproducible)
- **FNC 1630:** Fast survey Crash in calculator menu (the issue is not reproducible)
- **FNC 1665:** Greek messages not displayed correctly (the issue is not reproducible)
- **FNC 1672:** FAST Survey shows previous NTRIP Mountpoint on TCP connection (the issue is not reproducible)
- **FNC 1985:** The arc definition in stakeout is still not available (the issue is not reproducible)
- **FNC 2161:** It is not possible to change the U-link Squelch (=low by default) (the issue is not reproducible)

- **FNC 2213:** FAST Survey does not load entire source table (the issue is fixed)
- **FNC 2304:** GSM direct dial (the issue is fixed)
- **ThBug00083872:** NTRIP connection is not available with FS2.6.0 on MMCX and ProMark 100/200 (the issue is fixed)
- **ThBug00073385:** Geoid: *.tmp files are created each time you use a geoid is fixed (the issue is not reproducible)

Known issues

- **Satel radio support:** Satel radio is properly supported. In order to configure it in RTK <u>Base</u> configuration you need to select Cable or Generic Device and set 38400 baudrate and setup your base. In order to configure it in RTK <u>Rover</u> configuration you need to setup your rover with Satel radio first and then setup your rover with Cable or Generic Device and 38400 baudrate. It setup issue be fixed in the next release
- **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
- **Localized versions of Fast Survey:** all localized versions of Fast Survey may contain English screens and menus in some cases, truncated strings, etc
- **Crash when using Romanian Fast Survey:** With Romanian Fast Survey a hang up may occur when you store a point. Fast Survey reinstallation fixes this issue

Recommendations

- **Installation procedure**: It is recommended to uninstall previous Fast Survey version before installing the new one.