ashtech
BY MAGELLAN PROFESSIONAL

FAST Survey Field Software

New FAST Survey Has More:

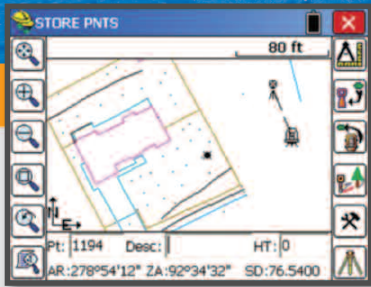- **Supported Geoid and Coordinates Systems**
- **Supported Handheld Devices**
- **Supported Languages**

Get the user-requested features you've been waiting for!

The new FAST Survey™ edition combines advanced functionality, ease-of-use, and sheer capability to make it the first choice in data collection software. FAST Survey is a complete data collection system for Real Time Kinematic (RTK) GNSS and Total Stations with in-field coordinate geometry. It has been designed to optimize the functionality, performance and control of the ProMark and ProFlex GNSS receivers for topography and construction applications. FAST Survey supports as well the widest range of popular and newly released RTK GNSS receivers and conventional/ robotic total stations.
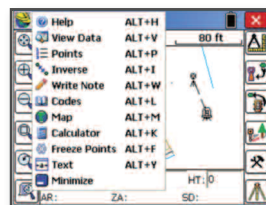
Easy Data Collection
Tab-Based MENU Structure. All commands are visible in each menu, preventing the need for Up-Down Arrow Keying to view options. Collect points in the graphics mode. Points plot as they are shot in the field or entered. There is no need to switch between screens to view your points.

Enhanced Graphics
FAST Survey has a new colorful look. Icons have been standardized to create continuity throughout the product, while modernizing the user experience. The new Hot List lets users jump to the FAST Survey routines that previously had shortcuts without having to memorize key strokes. It also provides shortcut functionality to devices without keyboards.
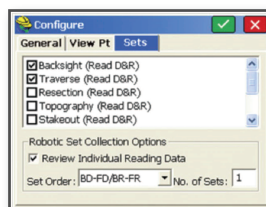
Settings and Control
FAST Survey manages job and antenna settings, network connections, as well as radio configurations. It supports the complete range of Ashtech GNSS receivers as well as multiple survey instruments. FAST Survey keeps track of every device completely separately. This includes all base stations, rovers and total stations, so that mixing equipment is easy.
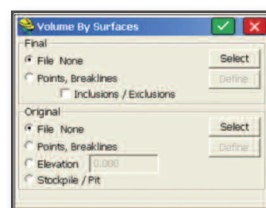
Volumes Computation
FAST Survey can compute volumes between two surfaces, one surface and an elevation or simple stockpile volumes. Surfaces can be defined by graphical entities and points or by TIN files.

GPS Networks

FAST Survey supports all common GNSS network protocols, such as NTRIP, TCP and UDP. FAST Survey manages all settings needed for network connection and offers automatic reconnection to previous network.

Job Settings

FAST Survey has the option to use a template DXF file for new jobs so that all layers and colors are automatically created per your company standard.

It has the option to auto-load cutsheets and control files from the previous job for those users that work on one site continuously.

FAST Survey has the ability to turn off the auto-descriptions in stakeout and completely customize how all stakeout routines behave.

Point Number by Interval – FAST Survey can interval the point ID by using the "Add to Next.

"Pt ID" option. To number all points on the odd numbers, start at 1 and use 2 in this field.

Instrument Switching

The instrument icon has been enhanced to allow you to switch between your current equipment. Simply configure your gear once and forget it.

Leveling

FAST Survey can be used to collect trigonometric level loops and digital level loops. Loops can be processed and adjusted on the device and all existing project coordinate points can be updated.

Localization

The software supports an unlimited number of localization points. All project scale settings and coordinate system options have been centrally located in the localization dialog.

Angle Sets in Store Points

FAST Survey allows users to "Configure" how each reading is measured with regard to direct and reverse options (Formerly know as SS/Trav). If direct and reverse readings are taken at the back sight, then any direct and reverse foresight will be considered an angle set and will be reduced accordingly. This eliminates the need to use a separate routine for angle sets.

Reference Alignments

FAST Survey supports associating a reference alignment for station reporting. This allows the user stake a 3' offset to a curb line that is not parallel to the CL of the road, stop at all critical curb stake locations and have the station be reported based on the CL alignment.

Feature Coding

FAST Survey can collect parallel lines using the offset horizontal and offset vertical line drawing commands and close a rectangle by three points using the rectangle command. In the settings section of Special Codes, the user can even auto compute and store the additional points at the line vertices that were created by the software. FAST Survey allows the user to code in numerous coding styles that may be defined by their office package.

Skew Angle Staking

FAST Survey supports staking offsets on a skew angle and provides the option to stake offset intersections and bisectors at angle points and the radius or PI point of an arc without leaving the Stake Line/Arc routine.

The recommended system requirements for FAST Survey

Operating System:
- Windows® CE 3.0 and higher
- Compatible with Windows Mobile 6.0

RAM:
- 64 MB

Disk Space:
- 32 MB (64 MB recommended)

Processor:
- 200 MHz or greater (Strong Arm, X Scale)

Connections:
- 9-pin RS232 or Bluetooth (Socket Communications recommended)

Supported Instruments

Instrument:
- ProMark™ 500
- ProFlex™ 500
- ProMark 3 RTK (specific version)
- Ashtech/Thales/Magellan Professional
- CSI-DGPS Max
- Leica System 1200 GPS
- Leica System 500 GPS
- Leica System 50 GPS
- Leica TPS Series
- Leica Robotic Total Station
- Leica (Wild) Older Models
- NAVCOM
- Nikon 310, 500

- Nikon 800
- Nikon A Series
- NMEA GPS Receiver
- NovAtel
- Pentax
- Sokkia Radian
- Sokkia Radian IS
- Sokkia GSR
- 2600 GPS
- Sokkia GSR
- 2700 IS
- Sokkia Set
- Sokkia Set 110M Series
- Sokkia Axis / Axis 3 GPS
- Topcon GPS+
- Topcon GTS Series
- Topcon 200 Series

- Topcon 800 Direct
- Topcon 800 Remote
- Topcon APL 1
- Topcon HiPer XT
- Trimble 5600
- Trimble 4000 GPS
- Trimble GPS General
- Trimble Path Finder
- Zeiss 50
- Zeiss RL

Compatible controllers
- MobileMapper™ 6
- MobileMapper CX
- ProMark 3
- Juniper Systems Allegro

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