

TopSURV 8

Field Controller Software



- Single Source Solution
- Intuitive User Interface
- Graphical Topography and Stakeout
- Real-Time Field to Finish
- Advanced Roading
- Real-Time Roads™
- Industry Leading Road Staking
- Customizable Stake Reports
- Vast Library of Import / Export Formats

Field controller software with a superior graphical user interface and fast performance

See Everything Clearer

Of the many features in the new TopSURV 8, the large graphical user interface (GUI) is one of the best. With the big icons you can point and touch with your finger, instead of using a stylus.

Survey with Speed and Convenience

Create, edit, upload, and download faster using advanced data management techniques. How many instruments do you use on the jobsite? To simplify your work, Topcon stores configuration files for each instrument. Switching from a GRS-1 to a QS is a snap – there's no wasted time configuring baud rates and connection settings. Just do it once and store it. Compatibility problems? We know there are several programs that require specific file formats, so we've given TopSURV 8 numerous file formatting export options.

Experience the Topcon Edge

All of our data collection software, instruments and office software come with superior data exchange methods, making data management easier.

TopSURV 8 Packaging

TopSURV 8 ships in the convenient double CD case complete with Installation Software, User Manual and Reference Manual. Authorization of TopSURV 8 is with activation codes. Contact your local dealer to license your free demo copy into a fully functional version.



Communications Made Simple

The new Connections function allows for faster equipment connections, configuration switching, and access to Network RTK mountpoints.

Real-Time Field-to-Finish

Make a code, or code and string, edit and see the map update in real-time as we store points.

Real-Time Roads™

Real-Time Roads™ now allows reporting to multiple segment points and auto-switches to Slope staking when walking in the design slope area.

Real-Time Anytime

All alignment-based staking routines allow for Real-Time mode through the context menu. Real-Time mode allows the user to avoid setting the station to stake. Instead, the current prism or antenna position is the design station in Real-Time.

Design References

When staking out a road, TopSURV 8 allows the user to graphically select up to 50 additional surface or segment point references. Each design reference is reported to the stakeout store point screen, and the current stake report.

The way is clear: simplify surveying with TopSURV 8.



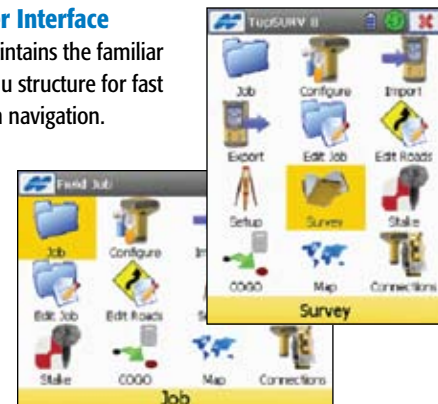
Large Graphical User Interface – Select or use the arrow keys to move the ye



Portrait and Landscape Devices Supported

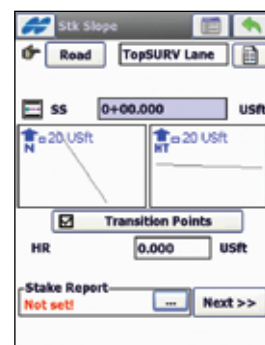
Intuitive User Interface

TopSURV 8 maintains the familiar large icon menu structure for fast and easy touch navigation.



Stakeout Transition Points

The opening dialog of the Road and Slope stakeout routines now offers options for stopping at various Transition Points along the design, for both horizontal and vertical critical stations.



...t a function with the touch of a finger,
...llow selection box around the screen.



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d



MAP-based Topography

TopSURV 8 provides a superior MAP view in Topo that allows the user to measure and code while showing their current position in real-time.



More Viewable MAP Area

By adding collapsible toolbars for status, robotic icons, and zoom icons, the TopSURV 8 map provides more viewable area.



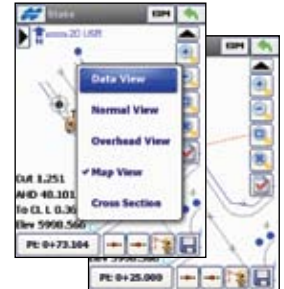
Current Stake Report

The opening dialog of every stakeout routine now displays the current Stake Report.

User-defined Stakeout Interface

Stakeout now supports up to five different views for the graphical information that is displayed.

Additional customization can be done through user-defined data labels. Simply click on the data label to select from the data label options list.



Stake Reports

TopSURV 8 has industry leading user-defined stake reports. Unlimited configurations and reports can be stored, and up to 5 current reports can be active based on the routines you use.

Topcon Logo Context Menu

Get access to several features through the Topcon logo button. This context menu allows the user to quickly Set References in road staking routines, or View Report in every stakeout routine.



Your Stake Report Format

The stakeout report viewer and store point screen displays the information that you configure in the Stake Report Configuration.

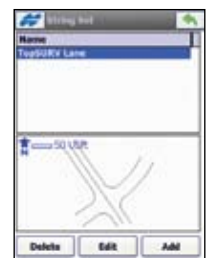


Two Surface Volumes

TopSURV 8 allows the user to store a measured surface while staking a DTM, and provides the ability to calculate two surface volumes in COGO.

Road Strings

Road Strings and the ability to define String Sets that define the true road design surface sets TopSURV apart from products limited to cross section road staking.



Total Solution – Maximize the use of TopSURV 8 with a Topcon Field Controller

FC-250

- Built-in *Bluetooth*® wireless technology and WiFi
- 806 MHz XScale processor
- RS-1 Radio capable
- Windows Mobile® 6.5 Operating System



FC-2500

- Built-in *Bluetooth*® wireless technology and WiFi
- 624 MHz XScale processor
- 5.17 megapixel camera and bar code reader
- 256MB RAM, 2GB ROM
- 55 key alphanumeric keyboard, plus joystick



GRS-1

- GNSS (GPS+ Clonass) 72 channel RTK Satellite Receiver
- Built-in *Bluetooth*® wireless technology and WiFi
- 806 MHz XScale processor
- GSM and CDMA Internal Cellular
- Windows Mobile® 6.1 Operating System
- 256MB SDRAM, 1GB Flash



TopSURV 8 Recommended System Requirements

Operating System Windows® CE 5.0, Windows Mobile® 6.1 or higher

Graphics 320 x 240 min resolution W/H in pixels, 640 x 480 alt resolution

RAM minimum 128 MB

Disk Space minimum 64 MB

TopSURV Complete - The Total Package

If you want all the features TopSURV has to offer then TopSURV Complete is the package for you. With all the core features of TopSURV Basic plus the advanced features included in the GPS+, Robotics and Pro (Roading) modules, surveying and data collection versatility is at your fingertips.



Configure Your TopSURV Package

TopSURV Basic - Core package comes standard with the following features:

Job	Edit Job	COGO (Coordinate Geometry)
New Job	Points in the Job	Inverse - Point to Point
Open Job	Descriptor Codes in the Job	Inverse - Point to Line
Delete Job	Layers	Inverse - Point to List
Job Information	Linework	Point in Direction
Configure	Area	Intersection
Survey Configurations (TS & DGPS)	Point Lists	Calculator
Coordinate Systems	Raw Data	Curves - Curve Solver
Global Settings	Images	Curves - 3 Point Curve
Backup Options	Stake Reports	Curves - PI & Tangents
Distance Units	Survey/Collect Features	Curves - Radius & Points
Display Options	Topographic Observation	Area - By Points
Alarms	Tape Dimension Measurements	Area - Hinge
Menu Display Options	Missing Line	Area - Line
New Job creation options	Stakeout/Navigate Features	Corner Angle
Global Code Options	Points	Line Offset
Stake Report Configurations	Lines	Curve and Offset
Import	Offsets - Line	Adjust - Rotate
From Job	Offsets - Intersection	Adjust - Scale
From Device	Offsets - 3 Point Curve	Adjust - Translate
From File	Offsets - Curve	Adjust - 2D Transform
Export	Offset - Spiral	Adjust - Traverse
To Job	Digital Terrain Model	Traverse
To Device	Point in Direction	DTM Volumes
To File	Point List	
Setup (Total Station)	Curve	
Occupation / Backsight Setup	Linework	
Resection		
Remote Benchmark		

Advanced Modules for GPS+ and Robotics

Add-on one of the following modules for these additional features:

TopSURV GPS+ Module

Configure
Survey Configurations (GPS)
Setup (GPS)
Start Base
Localization
Status
Known Point Initialization
Survey/Collect Features
Auto-Topo



TopSURV Robotics Module

Configure
Survey Configurations (RTS)
Setup (Total Station)
Remote Control
Survey/Collect Features
Auto-Topo
Monitor
Scanning



Add TopSURV Pro to Any Package

TopSURV Pro Module (Roading) - Contains the following additional features:

Edit Roads	Stakeout/Navigate Features
Road	Real Time Road
Horizontal Alignments	Road
Vertical Alignments	Slope
Templates	COGO (Coordinate Geometry)
Cross Sections	Road Offset
String Sets	
Survey/Collect Features	
Cross Section	
Find Station	

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TOPCON
topconpositioning.com

7400 National Drive • Livermore • CA 94550