

TopSURV-GIS

Field Software



**GIS Field Mapping Software
with extensive functionality
and easy to use interface**

- INTUITIVE USER INTERFACE
- PRECONFIGURED LIBRARY OF COLLECTION STYLES
- OFFSET, NESTING AND SEGMENTING FUNCTIONS
- DATA COLLECTION FROM MAP
- DIRECT IMPORT/EXPORT OF GIS AND CAD FILES

No mapping solution is satisfactory unless the software is easy to use and learn and has all the functionality that you'll need initially and as your project requirements progress. Topcon offers a variety of software solutions as well as partner solutions for the GMS and GRS family of products to address a wide variety of applications. TopSURV-GIS is a Topcon field software solution created for users who want to easily collect, update and view GIS data in the field.

User Interface Flexibility

TopSURV-GIS has a flexible but simple interface that can be used by novice and advanced users alike. Some users prefer a large graphical user interface while others are more comfortable with a traditional menu style. With TopSURV-GIS, you have either choice at your fingertips. Select the graphical interface and view colorful icons representing software options which can be tapped with a finger or stylus. Alternatively, use your stylus to navigate through text menus for a more traditional style.

Full of Functionality

TopSURV-GIS contains functionality to take full advantage of cutting edge Topcon hardware features such as the integrated digital camera and laser rangefinder of the GMS-2 Pro and the internal cellular modem of the GRS-1. With its editable predefined configuration styles, TopSURV-GIS helps users set up the GPS receiver for the accuracy level required and specific data collection scenario. It steps you through the process of collecting point, line and polygon features and attributes. Background files can be viewed in tiff, jpg and bmp formats. A lot of functionality is packed into TopSURV-GIS but it was created with simplicity and ease of use in mind.

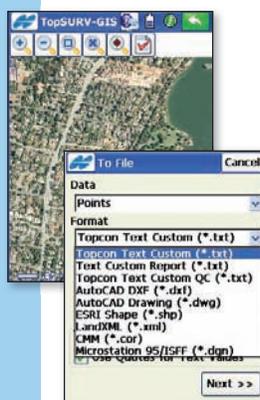
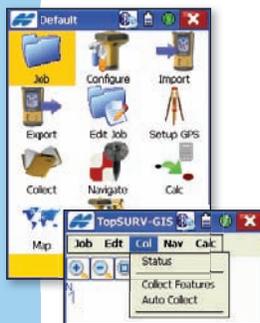
Experience the Topcon Edge

Topcon data collection software and office software come with superior data exchange methods, making data management easier. Popular GIS file formats can be imported and exported directly into TopSURV-GIS eliminating the extra steps of file conversion. Alternatively, bring data into Topcon Tools GIS Software before sending to the GIS for further viewing, Quality Control and report generation.

Increase your field functionality and simplify your workflow with TopSURV-GIS.



TopSURV-GIS is packed with functionality and fast performance.



Intuitive User Interface

TopSURV-GIS's graphical user interface is so simple to use you can deploy multiple novice users to the field. It's easy to collect point, line and area features with associated attributes and photographs. More experienced users can dig a little deeper in the software to utilize advanced functionality like offsets and nested points, or segment attribute values! Choose an iconic or menu based interface.

Superior Workflow

TopSURV-GIS offers superior data exchange methods. Simply import and export GIS and CAD files directly on your hand-held device, or utilize Topcon Tools GIS Software for post-processing your data and then export to CAD or GIS. The choice is yours. Display a background file on the map view for confirmation in the field. Compatible file formats are bmp, jpg, tiff and shp. Data can be stored on a removable SD memory card for easy data transfer and file management.

Attach Images to Features

Use the internal camera to attach images to the features. Take a photograph of the feature you are mapping and it is automatically linked to the features and can be referenced at any time in the GIS. See conditions of features or details required for field maintenance activities.



With TopSURV-GIS and the internal laser in the GMS-2 Pro, you can easily map offset coordinates of features that are unsafe or inconvenient to approach, or that have poor satellite coverage.

The choice of a large graphical user interface or a menu based style is at your fingertips.



Choose the TopSURV-GIS interface that works best for you!

Preconfigured Library of Collection Styles

Select a preconfigured real-time or post-processing DGPS data collection style. Make edits or build your own style to share and use again later. Switch configuration styles for a different field application in a snap.



Simple Calculations

Use the Calculation menu to calculate an inverse or line length in the field. Select a "From Pt" and a "To Point" from either your map or a points list. View the results in a text form or on the map itself. Use this menu to access an in field calculator to make additional calculations right in the field.



Offsets

Use the internal laser on the GMS-2 Pro to easily calculate offset coordinates for features that are unsafe to approach, have no access or have poor satellite coverage. If no internal laser is available use a 3rd party laser or enter offset details manually.



Navigation

Select a point and a code to navigate from a list or directly from the map. Your Reference Direction can be defined as North, a Moving Direction, Moving Direction + North, or Ref. Point/Azimuth. Your point can be optionally stored again upon arrival at your destination.



Segmenting & Nesting

Advanced tools eliminate extra steps in the field and speed up data collection. Segment one continuous feature with various attribute values. Nest points or line features along line or area features. This flexible feature allows you to collect all necessary data in one pass and prevents the need to re-trace steps for additional data points.



Data Collection from Map

Data Collection is easy when everything is done directly on the map! Assign symbols and colors to each feature type. View background files to add a deeper sense of reality and confirmation when collecting field data.



The Leader in Positioning Technology...

Topcon Positioning Systems is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying, and machine control products.

From open-field construction projects to isolated surveying sites and from rolling farmland to inner city utility projects, Topcon Positioning Systems creates innovative technology solutions that give a decidedly competitive edge to end-users.

Recognized as the innovative trend-setter in its industry, Topcon has focused on developing an array of integrated positioning and automation technologies to meet the constantly changing demands facing GIS, construction, surveying, agriculture, utilities and law enforcement professionals worldwide. We look forward to building solutions that solve your data collection project challenges today and in the future.

The Leader in Customer Satisfaction...

To ensure that your Topcon product maintains peak performance, your local Topcon dealer offers factory trained and certified service technicians. If service isn't available in your area, our factory offers a repair and return policy second to none.

To locate a Topcon dealer in your area, please visit the Topcon website.



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Specifications subject to change without notice

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System Requirements

Operating System

32 bit Microsoft Windows® compatible PC with Windows XP OS or higher, Windows CE OS v4.2 or higher and Windows Mobile® platform

Graphics

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

RAM

64 min MB

Disk Space

64 min free in MB, flash (internal) type

Topcon Tools GIS Software

A powerful office software solution for submeter or high accuracy processing of your GIS field data. Increase the accuracy of field data with automatic base file download. View attached photographs, edit offsets values, and create reports to store, present and save. Import and Export numerous CAD and GIS formats. View data in Google Earth and more!

A Total Solution - Maximize the use of TopSURV-GIS with the Topcon family of GIS products.



GMS-2

- Dual constellation satellite tracking
- Integrated digital camera
- Customized field software
- Internal Bluetooth® wireless technology
- Ultra sharp color TFT touchscreen
- Easy access USB memory expansion
- Replaceable, rechargeable all-day battery



GMS-2 Pro (additional functionality)

- Submeter real-time and subfoot post-processed accuracy
- Integrated 2.0 megapixel camera
- Integrated distance measuring device
- Integrated barcode reader



GRS-1

- Submeter, subfoot and GIS-RTK (<5cm) accuracy
- Integrated 2.0 megapixel camera
- Integrated GSM and CDMA cellular modem
- 256MB SDRAM, 1GB Flash
- Built-in Bluetooth® wireless technology and Wireless LAN connectivity

Your local Authorized Topcon dealer is:

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