

Carlson Field Solutions

For SurvCE:

Carlson offers hardware options for use with SurvCE data collection software — either the Carlson MINI2 or the Carlson Surveyor2. Both are fast, powerful and incredibly durable.



For SurvPC:

While Carlson SurvPC may be purchased for ANY standard Windows PC computer, Carlson recommends utilizing the software with the Carlson Supervisor handheld PC as an ideal combination.



SurvCE/SurvPC Languages:

In addition to English, Carlson SurvCE and Carlson SurvPC are available in 22 additional languages, including:

- Chinese • Croatian • Czech • Dutch • Filipino • Finnish • French
- French Canadian • German • Greek • Hungarian • Italian • Korean
- Polish • Portuguese • Romanian • Russian • Serbian • Spanish
- Swedish • Tagalog • Turkish

SurvPC Minimum Requirements:

- Windows OS: Windows 7 32bit
- Processor Speed: 1.6Ghz
- RAM: 4GB RAM
- 1 GB hard-drive space required

Carlson Software

Carlson Software develops software solutions that bring the land development professional from concept to completion — the full cycle of a project.

An independent company founded in 1983, Carlson Software is well known for its comprehensive civil engineering, land surveying, machine control and positioning, and mining software solutions. Its dedication to customer service is renowned in the industry.

Get FREE Technical Support

Get support from Carlson via phone, email, discussion groups and webcasts. There is no product retirement. Carlson Software supports all versions of all its products. Email support@carlsonsw.com.

Both Carlson SurvCE and Carlson SurvPC work directly on most RTK GPS and Total Stations including the Carlson BRx5 GPS, Carlson CR2/CR5 Robot, and the Carlson Super G tablet, along with Leica, Topcon, Sokkia, Altus, CHC, Navcom, Javad, Satlab, Hi-Target, South, Hemisphere, Datagrid, Champion, Geomax, Foif, Horizon, Kalida, North, Novatel, Pentax, Spectra Precision, Stonex and Unistrong.



Carlson SurvCE/SurvPC



Take Your Choice

Get the world's most flexible & powerful data collection software:

- SurvCE for handheld data collectors
- SurvPC for rugged PCs, both large and small



MAKEPEACE
575 University Ave - Suite D
Norwood, MA 02062
617.782.3000 www.makepeace.com

www.carlsonsw.com

Carlson
...For the Total Project

For sales information or to locate a reseller please call or visit:
800-989-5028 • www.carlsonsw.com
or 606-564-5028

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Carlson SurvCE Work With The First Choice In Data Collection Software

Carlson SurvPC All The Functionality Of SurvCE On A Full Windows PC

Carlson SurvCE's powerful features help you do more, do it accurately & in less time:

- **Powerful Roading:** favored by U.S. DOTs and heavy highway contractors around the world
- **Advanced functionality** for staking intersections and cul-de-sacs using Carlson Road Network Files
- **Highly graphical and intuitive** user interface – the software prompts you so no detail is missed
- **Strong GIS features** for accurate data capture, including attribute data, that allows seamless links to Esri®
- **True versatility:** SurvCE runs on most GPS and total station equipment in service today
- **Optimal Field-to-Finish:** no need to spend extra hours in the office to make drawings
- **Easy data exchange** due to rich support of CAD file formats and .dwg, .dgn, .shp
- **More field capabilities** with quick and easy volume calculation and ability to generate points from polylines
- **Cut/Fill stakeout** using surface files

Top New Features in Carlson SurvCE:

1. Option to import text in drawings in addition to blocks;
2. Ability to process GPS base records from the raw file into the CRD file;
3. New 2D sketch polyline and snap option;
4. Advanced point averaging and blunder detection in the field (with accuracies in-between RTK and post-processing);
5. Ability to freehand sketch in the map screen;
6. Allows GIS storing in any stakeout routine;
7. Support for full output reporting in GNSS analysis;
8. Enhanced ability to stake roads by complete LandXML Road Model—load and go;
9. Cogo-Point Protection that allows a point range and makes a .txt file for station, offset, and elevation and other user-defined fields from the reference;
10. Full compatibility with Stewart Weir Software;
11. Enhanced performance on new capacitive screen data collectors.

Tab-Based MENU Structure – All commands are visible in each menu

Load Esri Maps, Input-Edit GIS Attributes, in SurvCE

Hot List lets users jump to routines

Both Carlson SurvCE and SurvPC are complete data collection systems for Real Time (RTK) GPS and Total Stations with in-field coordinate geometry.

Both support the widest range of popular and new release RTK GPS and robotic total stations.

Base Corrections from Rover feature

Carlson SurvPC delivers the world's most flexible & powerful data collection software on the PC platform. This means:

- Increased hardware capability
- Increased virtual memory = increased ability to work with large sets of data
- Increased screen size & more convenient touch screen usage

SurvPC advantages include:

- Bigger screen display
- Bigger buttons (on touchscreen computers)
- More graphic power
- More processing power
- Full Windows PC compatibility
- File formats same as Carlson Office software (.fld vs. .fcl files for field-to-finish)
- Compatible symbol libraries
- Ability to import Microstation DGN files
- Import and export AutoCAD .dwg files
- Aerial photo overlays
- Output to Excel

Carlson SurvPC is FIRST Cross-Platform Field Solution

Get the ability to work natively in Esri® and DGN® with no conversion & take your maps to the field no matter what the source

- Intuitively use Esri Maps to perform all survey functions with no downtime learning new software
 - If ArcMap 10, ArcView or equivalent reside on the same PC, SurvPC 'finds' the Esri engine and reads and writes Esri MXD files automatically, or
 - SurvPC can be purchased with the Esri OEM engine built inside
- Stake out, identify or draw to any existing feature by conventional 'snap' selection in Esri, DGN or .dxf
- Create new points in Esri, DGN or .dxf with symbols and formats native to the map
- Use SurvPC to recognize DGN drawing 'levels' and cell structure of entities; new points created are stored graphically in the pre-defined cell format and new linework also writes directly to the DGN file

Advanced point ID controls

Job Settings – Customize layers, colors, cutsheets, datums, units, descriptions and much more

Esri Map Feature Data is fully accessible in SurvPC

Load DGN files directly – "snap" to lines and points to stakeout DOT projects

SurvPC reads Microstation® cell structures and stores/draws new points in native formats