

Carlson Field Solutions

For SurvCE:

Carlson offers several options for hardware for use with SurvCE, including the fast, durable and powerful CarlsonMINI, Surveyor and Surveyor+, and now the more affordable Carlson Qmini.



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 20 additional languages, including:

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

SurvPC Minimum Requirements:

- Windows OS: Windows 2000, Windows XP, Windows Vista, 32-bit and 64-bit, Windows 7, 32-bit and 64-bit
- Processor speed: any Pentium compatible, Atom supported
- RAM, 256MB RAM required (1GB recommended)
- 1GB 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 on virtually all RTK-GPS and Total Stations including the Carlson SuperG (Supervisor+ GNSS) and the Carlson Surveyor+ GPS, plus:

Topcon, Leica, Altus, CHC, Navcom, Javad, Satlab, Hi-Target, South, Hemisphere, Datagrid, Champion, Geomax, Foif, Horizon, Kolida, North, Novatel, Pentax, Sokkia, Spectra Precision, South, Stonex, Unistrong and some Trimble® models (not available on the R6 and R8 where access is blocked).



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



Carlson SurvCE

Work With The First Choice
In Data Collection Software

Carlson SurvPC

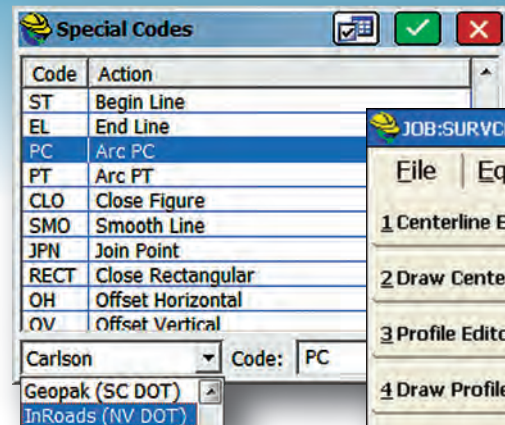
All The Functionality Of SurvCE
On A Full Windows® PC

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

- **Powerful Roding:** favored by U.S. DOTs and heavy highway contractors in Spain, Australia and 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 99% of all GPS and total station equipment models 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 10 New Features in Carlson SurvCE3.0:

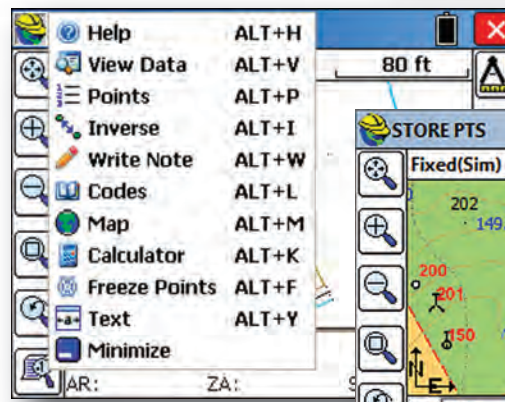
1. Ability to use point "blocks" from drawings as point symbols or as objects to snap to for stakeout or for creating alignments. GIS attributes associated with blocks are recognized (block name, for example)
2. Images and map overlays can be downloaded from the internet (Esri, Google, Bing) while in the field, with automated revealing of detail based on zoom resolution
3. Allows use of RTCM 3.1 Message String to extract datum and geoidal shifts
4. Runs nearly all total station and GPS equipment on market (a Carlson exclusive), except brands where access is blocked. More Equipment Drivers than ever!
5. Ability to stake roads by complete LandXML Road Model — load and go; a new method augmenting "By Sections," "By Templates" and "From Map"
6. In Stake Road, new full section-based "story stake," all cut/fills from any staked point, similar to the cutsheet produced by Slope Staking
7. Large Point ID and Description Fields — expanded to 256 characters
8. Advanced GPS point averaging and blunder detection by statistical analysis — reduce errors to near total station accuracy with multiple readings
9. Camera Integration: Attach pictures to points and lines and store in KMZ files; EXIF image contains relevant data such as position and description
10. Quick-Search by GPS available for all motorized and robotic total stations



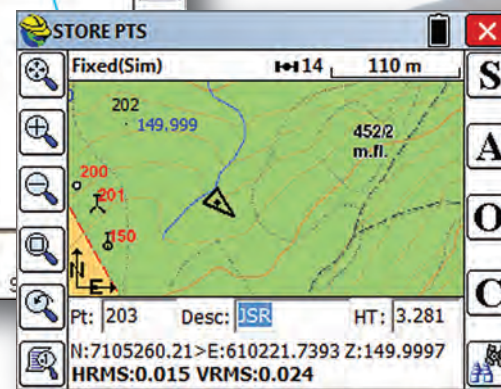
Tab-Based MENU Structure – All commands are visible in each menu



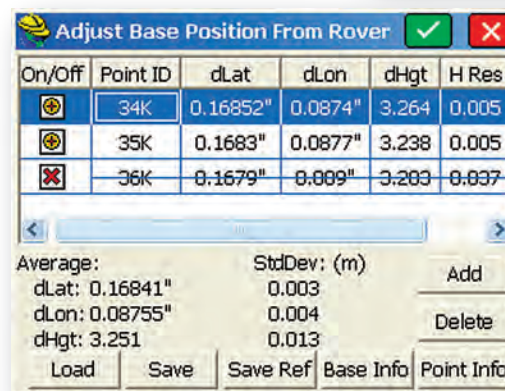
Feature Coding – Add numerous coding styles & functions



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



Hot List lets users jump to routines



Base Corrections from Rover feature

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 conventional / robotic total stations.

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

All New! SurvPC provides 1st Cross-Platform Field Solution

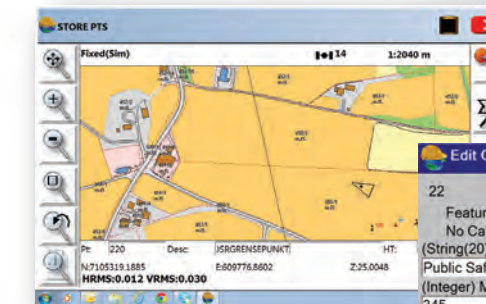
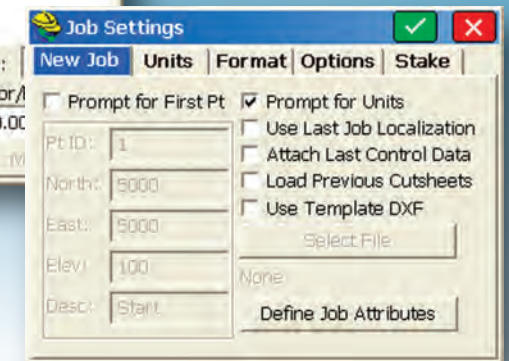
Get the ability to work natively in Esri®, DGN® & .dwg with no conversion & take your maps to the field no matter what the source

- 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 .dwg
- Create new points in Esri, DGN or .dwg 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



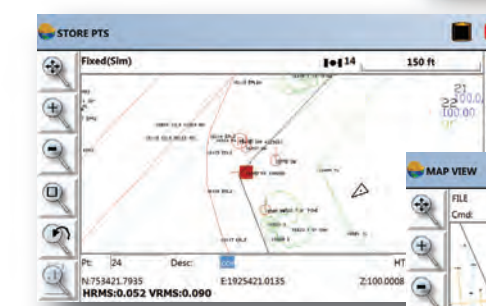
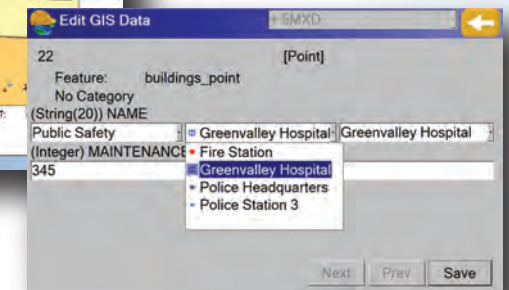
Advanced point ID controls

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



SurvPC functioning in an Esri Map Document

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

