



Carlson Academy Overview - [Video Link Here](#)

> Carlson Academy offers a Client Portal Management Tool and Learning Center for Carlson Clients

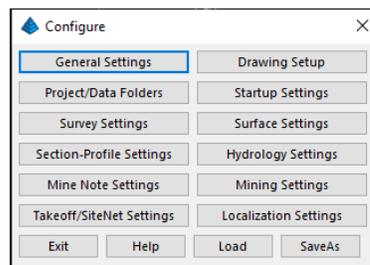
Starting up Carlson – Carlson Software is a ‘Plug-In’ Application that is installed On-Top of ‘CAD’. There are 3 different CAD options to use Carlson with: AutoCAD 2017-2022; IntelliCAD or AutoCAD OEM/Embedded AutoCAD Engine.

Note:

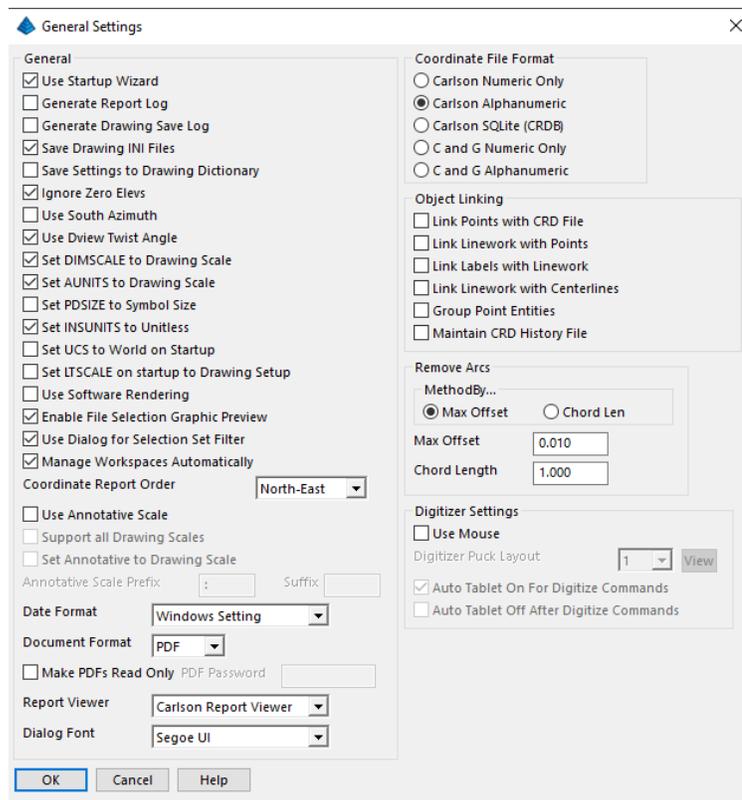
Starting Your Carlson Project and Basic Setup and Configuration

- Starting Carlson Software via an Icon
- Starting Carlson Software via Windows Start → Carlson → Carlson Software → Carlson Software 20XX...

Carlson Configure

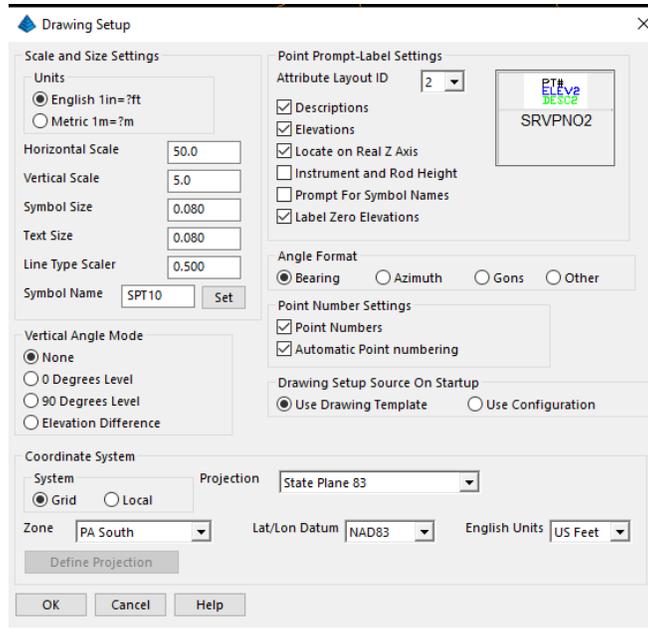


General Settings

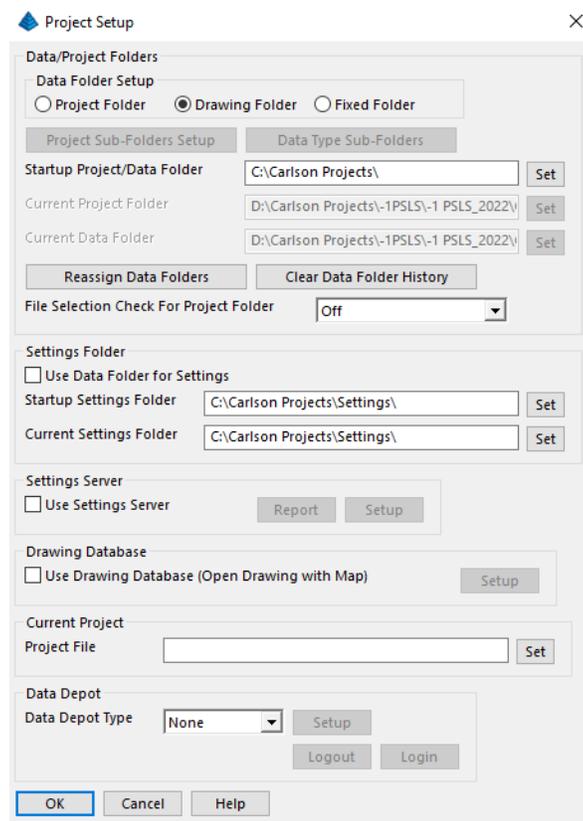




Drawing Setup

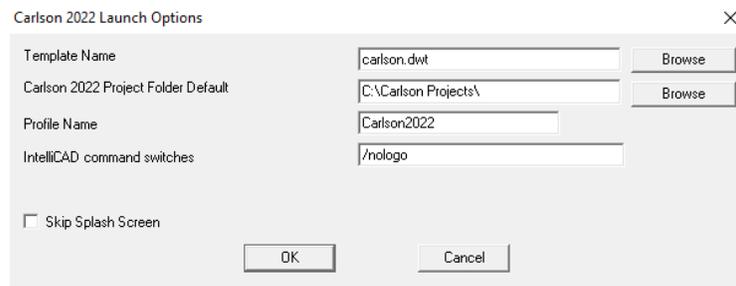


Project Setup





Startup Settings



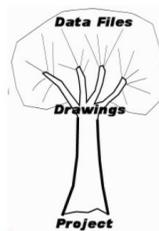
Drawing Explorer

The Drawing Explorer command presents a list of all Carlson data files that are made in association with a drawing and are tracked in *DrawingName.ini*. If a drawing was not made in Carlson or does not have a companion .INI file, then Drawing Explorer will not display any files. The Drawing Explorer will also not show any data files if the drawing is not saved. Once data files are created such as a coordinate (.CRD) file, then Drawing Explorer will track these files. Drawing Explorer helps manage drawing-related data.

The Drawing Explorer is shown as a docked dialog on CAD window with files shown as "tree view" under different categories. These file categories are fully customizable and can contain multiple file types. The drawing name is shown as root of the tree view with file categories as its children. The file types associated with a category are listed as children of that category. The data files used with the drawing are listed under respective file type or in subfolders of the project folder specified using the [Set Project/Data Folders](#) command. The data files used as current files are shown with bold font.

Project Explorer

This tool is used for management of a complete project. A project can contain multiple drawings, and each drawing within that project can contain multiple associated data files.

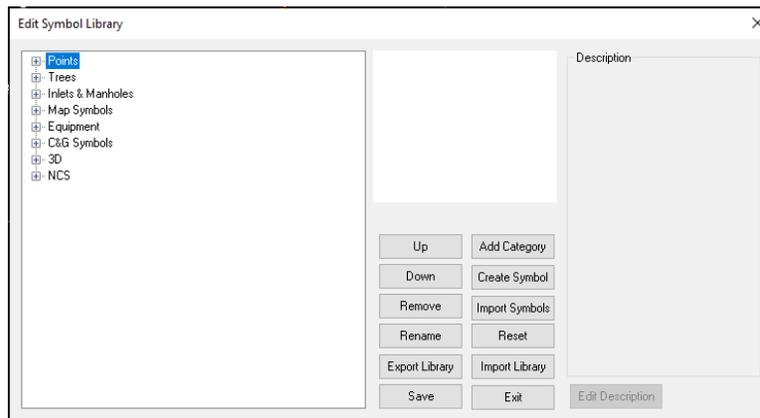


Notes:



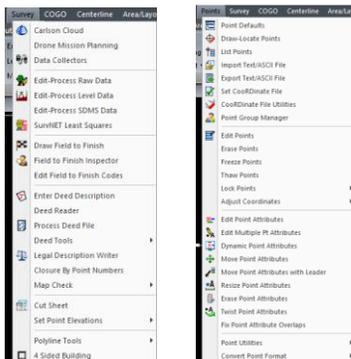
Symbol Library

This command allows you to customize the symbol library. For a printout of the default symbols, get the symbols.pdf in the Carlson Projects folder. The default library has hundreds of 2D and 3D symbols including National CAD Standard (NCS) symbols and a set of symbols with wipeouts built-in to hide linework under the symbols. Categories are a way for grouping symbols by type for your own convenience in symbol selection. There are two levels of categories: top-level and sub-category.



Notes:

Pull Down vs. Ribbon Review





Carlson Points:

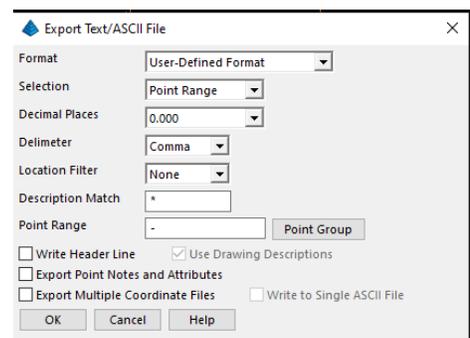
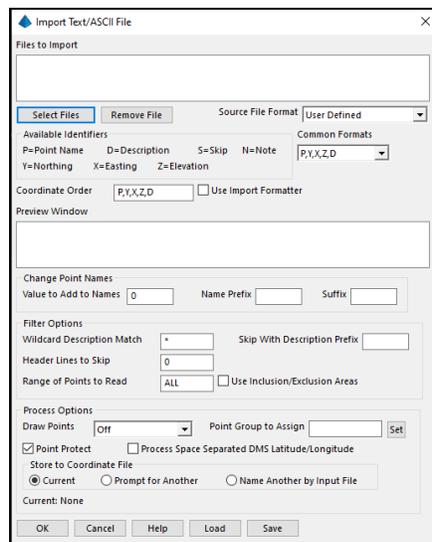
All of the routines in this menu operate on points in a Carlson coordinate (.CRD) file. Coordinate files are binary files that contain point numbers, northings, eastings, elevations and descriptions. The Carlson coordinate database (.CRDB) is based on SQLite and supports point numbers and descriptions up to 255 characters. Alternately, C&G CRD and CGC files, LandDesktop MDB files or Simplicity Systems ZAK files can be used in place of the Carlson CRD file. All routines in this menu will read from, and write to, these types of point data files. At any given time, there can only be one active coordinate file. If a command is initiated that requires a coordinate file while one is not one set, Carlson will prompt for a coordinate file name. From that point on, this is the current coordinate file. Another coordinate file can be used by choosing [Set Coordinate File](#) or *Open CRD File* in [Coordinate File Utilities](#).

General Note: CRD VS CRDB: .crd files have been a standard within Carlson Software for many years, however the new standard will be .crdb as it offers more functionality with development efforts with attributes and database links only with .crdb files. *Please start to using the .crdb format soon. Carlson will continue to support the .crd format*

Importing and Exporting Points:

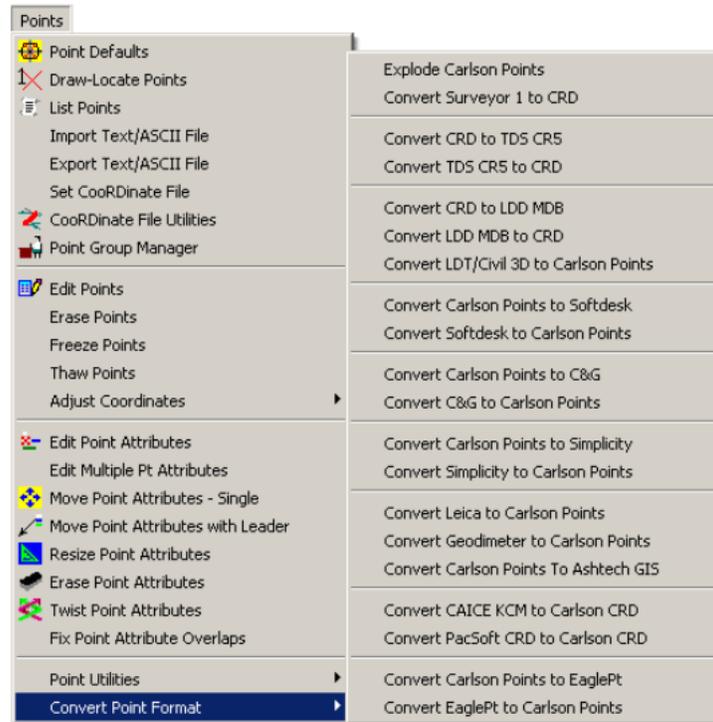
Import ASCII: This command converts point data from an ASCII text file into a Carlson coordinate (.CRD) file. Each line of the text file can contain any combination of point number, northing, easting, elevation and description. All point information should be on one line with the values separated by a comma, space or other delimiter.

Exporting Text/ASCII File: This command outputs point data from the current Carlson coordinate file to an ASCII text file formatted according to a variety of options presented in the form of a general dialog.





Working with Points:



Coordinate File Utilities:

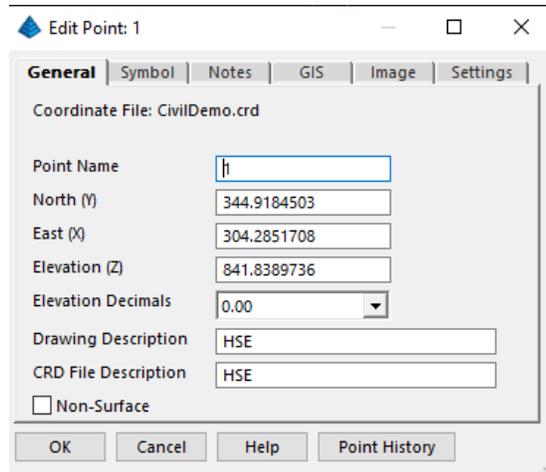
This command organizes a wide variety of coordinate file and point manipulation routines into one central location. If you are new user, this is a good place to *start to review* what you can do with Carlson Points





Editing Points and Point Attributes:

This command will edit the attributes of a Carlson point, such as the symbol type, point number, elevation and description. When this command is invoked, the command line will prompt the user: Select point to edit (Enter to end). At this point, you can select any part of the point including the symbol, elevation, point number or the description. Next, a dialog will appear as shown.



Notes:
