

# Installation of SuperSMITH® on a Windows 10/11 Computer

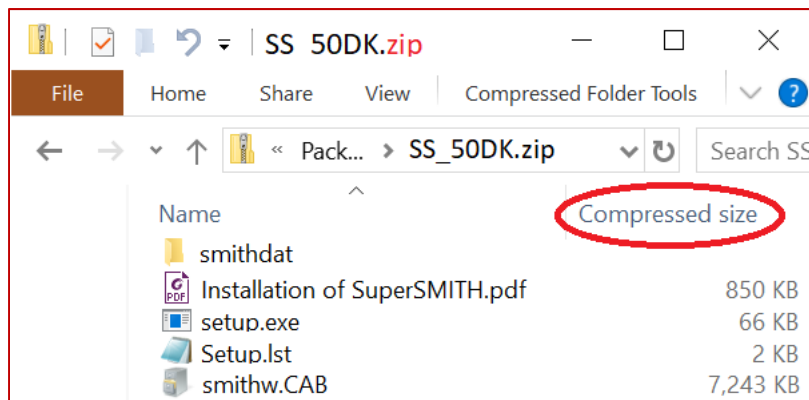
23 Dec 2021 – Carl Tarum

These instructions also apply for Windows XP, 7, Vista, 8.x, but some screen shots may appear different. This document includes the following Steps:

- Step 1: Put the files where you can execute them.
- Step 2: Do a cold restart, and log in as an administrator
- Step 3: Right Click setup.exe, and Run as administrator.
- Step 4: Install the program
- Step 5: Add Icons (If Needed)
- Step 6: Check the program
- Step 7: Converting DEMO to Full Mode (Optional)
- Step 8: Troubleshooting (If necessary)
- Step 9: Additional Debugging and lost file search.
- Step 10: Quiet Installation for IT automation
- Step 11: Technical Support

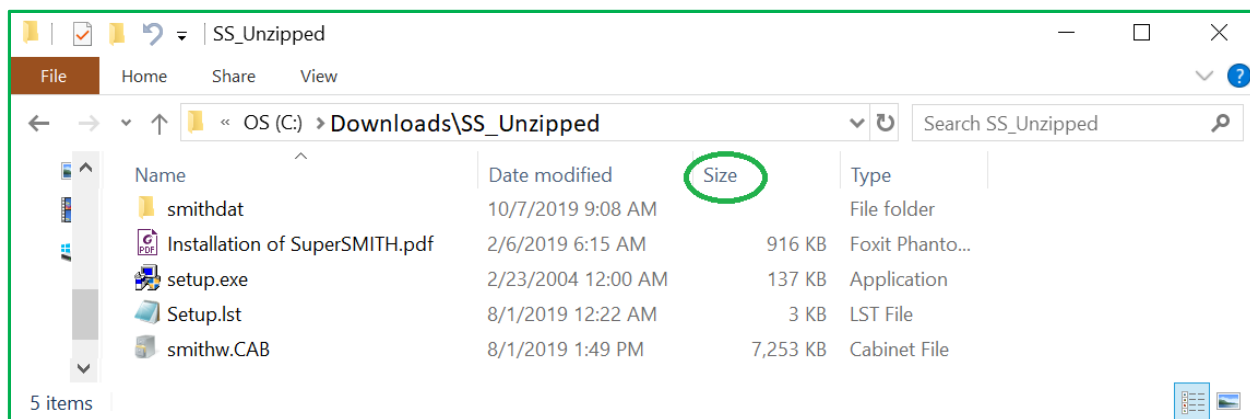
## Step 1: Put the files where you can execute them.

You may receive a ZIP file with the SuperSMITH® installation files. It may look something like this:



You can start the setup.exe from a zipped directory, but it will fail as it won't recognize the other zipped files. Note the "Compressed Size" in the directory

The first thing is to unzip the files, or copy them to an unzipped directory, and use your virus scanner to check them for any virus that may have infected the download.



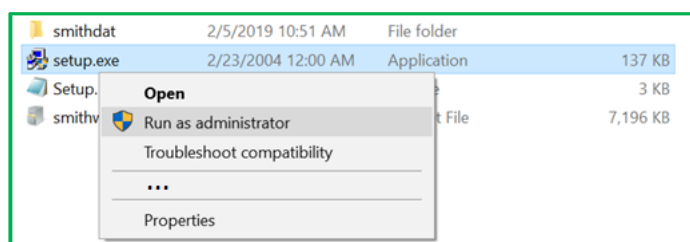
Note: autorun.inf was used for installation from a CD. Many corporate applications block autorun.inf, and it is no longer included in the distribution. If you have an older installation file, it is not necessary to copy autorun.inf. Note that the Zipped directory has the word “Compressed”, while a normal directory will list date modified and type for column headers.

**Step 2: Do a cold restart, and log in as an administrator.**

**Wait for any startup programs like drive mapping or antivirus updates to complete.**

If a file is in use when the Setup file starts to use it, the install will fail. For example, if you have another program that is using the same rich text control that SuperSMITH uses, the setup will fail. A cold restart (Shut computer off, count to 10 after all lights go off, turn computer on.) will minimize these issues.

**Step 3: Right Click setup.exe, and Run as administrator.**

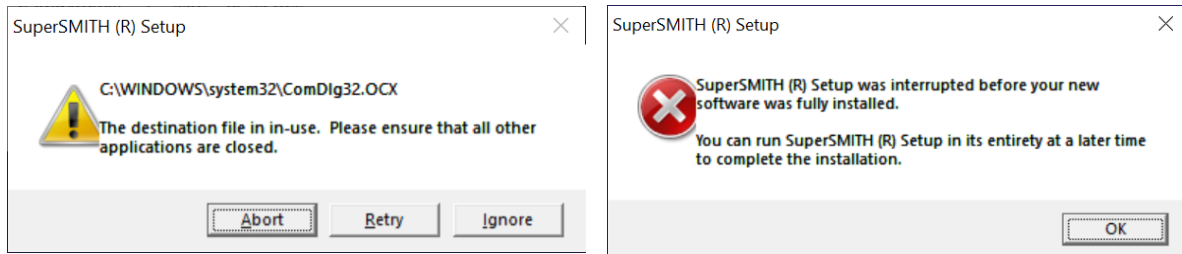


You are already logged in as administrator, but some corporate policies require you to select “Run as Administrator” for added security. (For one customer, it was necessary to click on Properties, compatibility, and check the box “Run as Administrator” as well, but this checkbox is usually not necessary.)

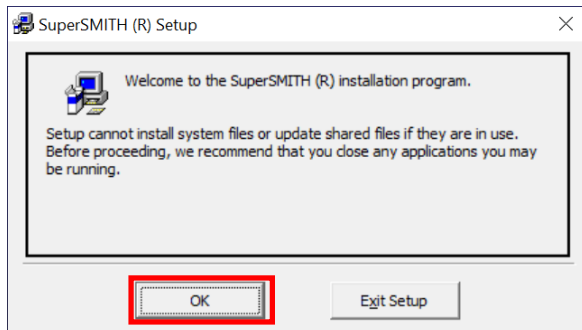
You will get a pop-up box asking if it is OK to run as administrator. Select “Yes”.

#### Step 4: Install the program

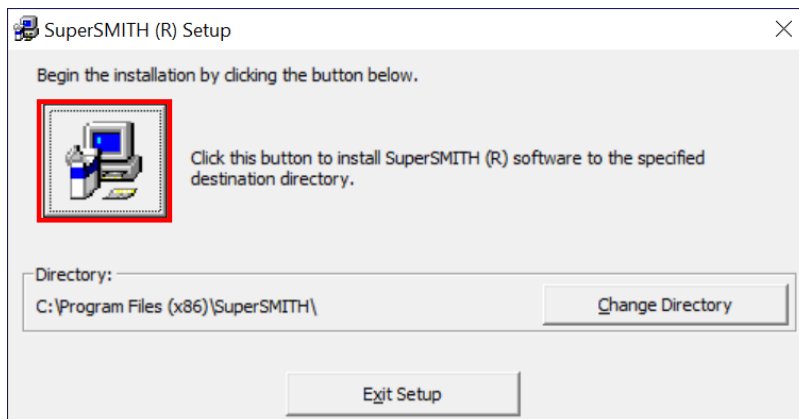
There will be a series of boxes to install the program. If you get boxes like the following, you probably had another program open. In the case of the two boxes below, a program that used the common dialog box was open. (Even though it wasn't looking for a file to open at the time)



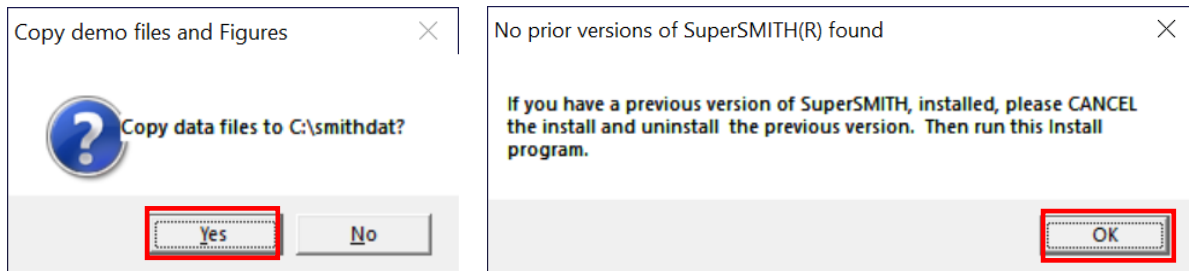
Normally, you should see this box pop up:



Click OK.

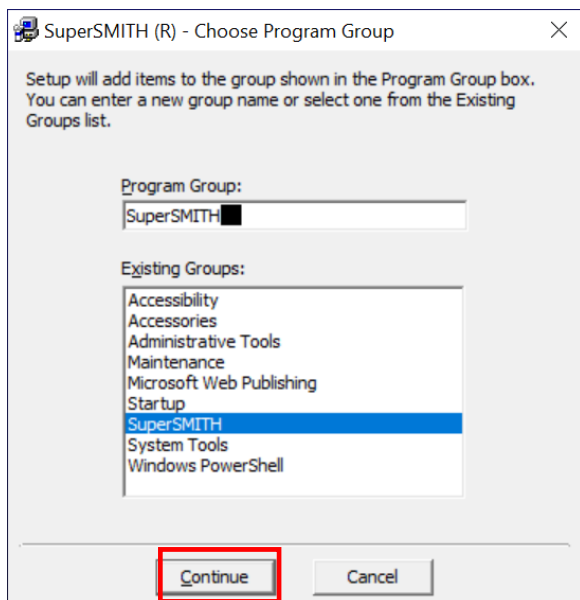


You can change the directory for the program files, but the default location is recommended. Click the large icon (marked here with a red box) to continue.

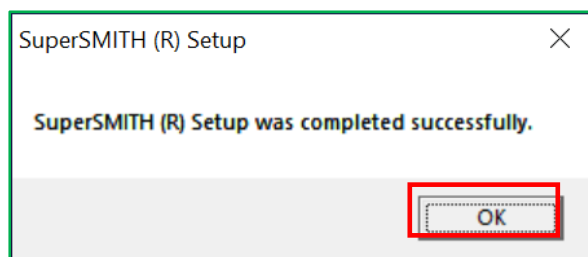


Usually click “Yes” to copy sample data files to your hard drive for easier reference. If you are taking a class, you will need these files for class work.

The install will remove a typical prior installation. If you have a prior installation, and you get the “No Prior versions found” box, you should cancel the installation, and remove the prior versions manually. If this is the first time installing SuperSMITH, there will be no prior versions, and you can click “OK” and the install will continue.



This is the default program group. Normally you will just select “Continue”



This will indicate that the setup was successful.

### Step 5: Add icons (If needed)

In most cases, the installation will add a SuperSMITH directory to the start menu. Sometimes corporate computer policy will block the addition of this on the start menu. In that case you may need to manually add shortcuts.

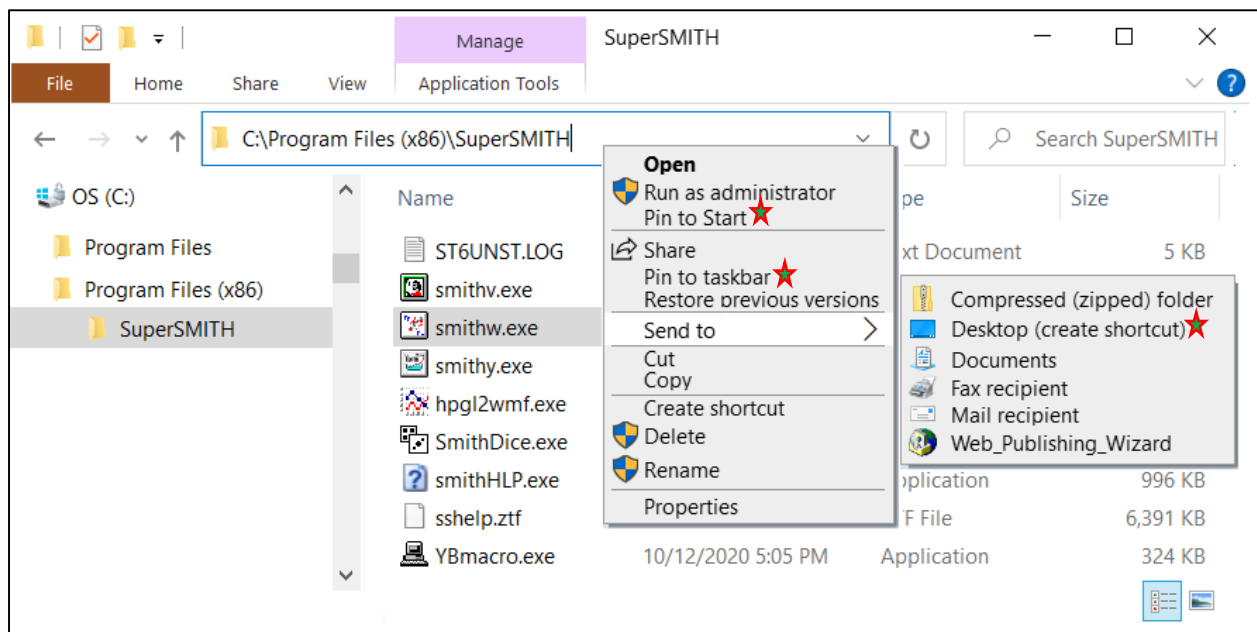
In File Explorer, navigate to the installation directory, usually

C:\Program Files (x86)\SuperSMITH [For 64-bit machines]

C:\Program Files\SuperSMITH [For 32-bit machines]

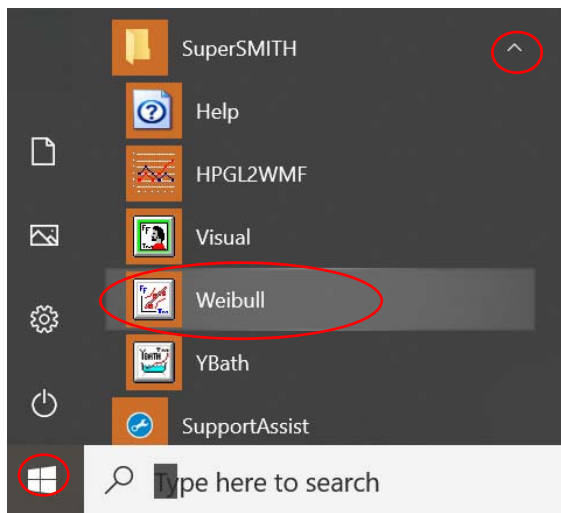
RIGHT-Click Smithw.exe. You will have options to pin to start, pin to taskbar, or send a shortcut to the desktop, as marked with stars. ★

Note: Smithv.exe, Smithy.exe, SmithDice.exe, and SmithHlp.exe can be called from Smithw.exe so it is your preference if you want to add shortcuts for them. Hpgl2wmf.exe is a separate utility that is not often used. If you use it to make metafiles, you can add a shortcut for it as well.



## Step 6: Check the program

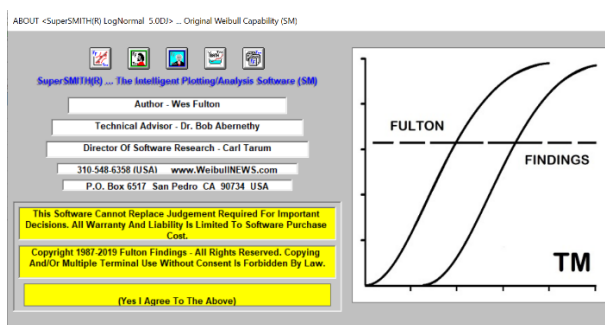
Go to the SuperSMITH group, and select Weibull



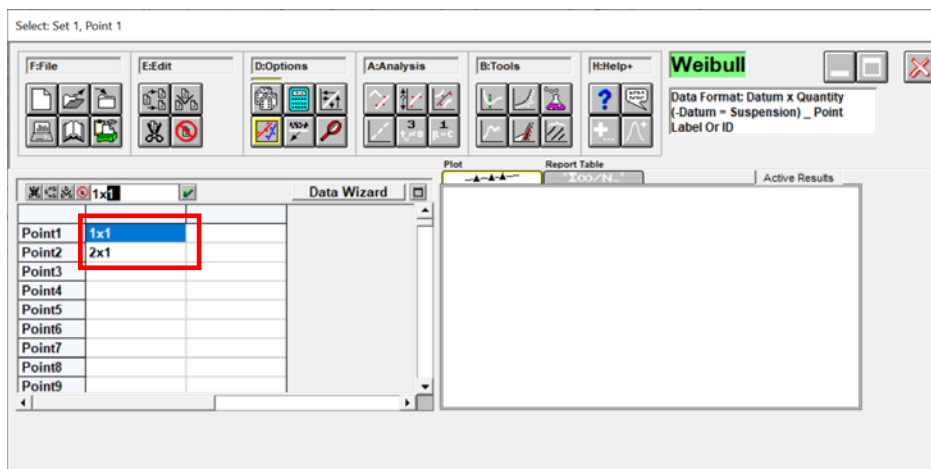
Click the Windows Start button, scroll down to SuperSMITH. You may need to click the down arrow to expand it, then select “Weibull”

Note: Later, you can right click “Weibull” and select Pin to Start, or Send to Desktop to create shortcuts for easier access

You should see a splash screen like this:

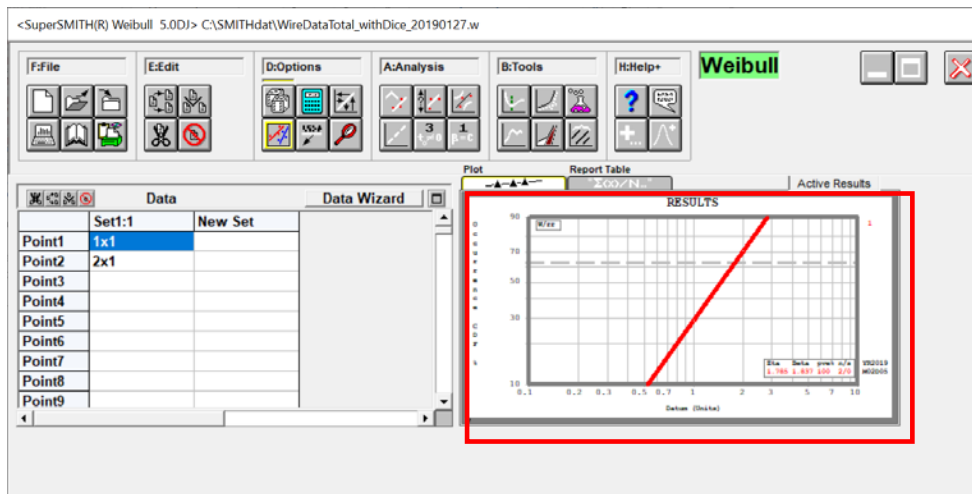


Click “Yes” to agree, and you should see a screen like this:

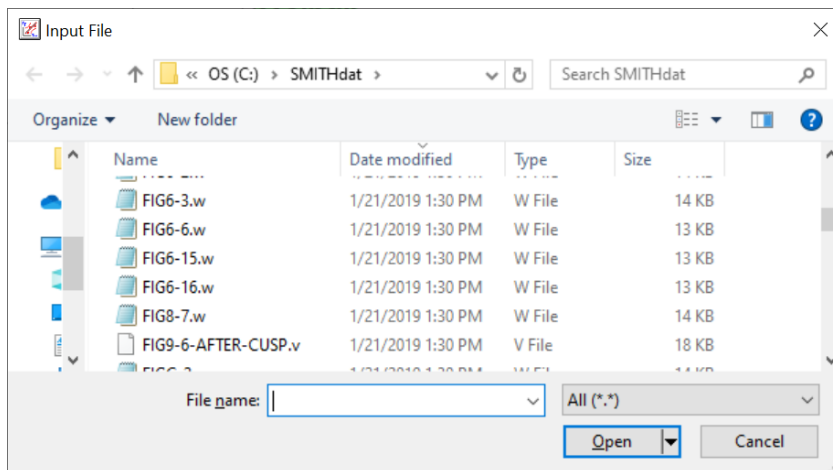


Where it says “Point 1” type a “1”, press enter, then “2”, and press enter. The program will add the “x1” and move down a row after each entry.

Move your mouse over the plot section, which is the large white square on the graphic above. SuperSMITH should generate a plot, and it should look like the screen shot below. You can click once on the plot to make it full screen, and then once again to take it back to this size.



The installation should also install some data files which are useful for reference and for the class. On the screen above click the second icon from the left, and navigate to the “C:\smithdat\” directory and open a file with a .w extension.

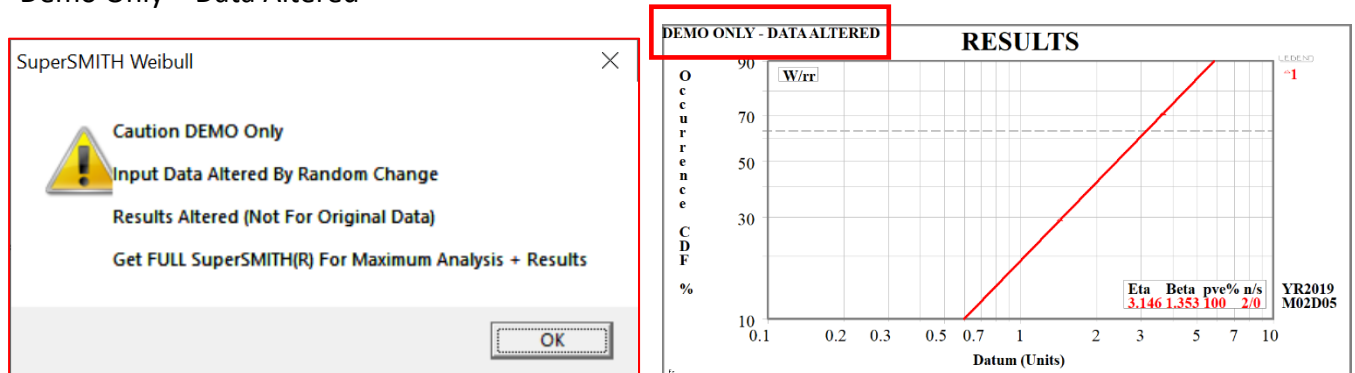


If the SMITHdat directory does not exist, or is empty, you may not have had them installed. You can just copy the SMITHdat directory from the installation disk (No need to re-install), or you can download and copy the SMITHdat directory from the website:

<http://www.weibullnews.com/smithdat.zip>

## Step 7: Converting DEMO to Full Mode (Optional)

IF you are running the DEMO mode software, you will see a box like this, and the plot will say “Demo Only – Data Altered”

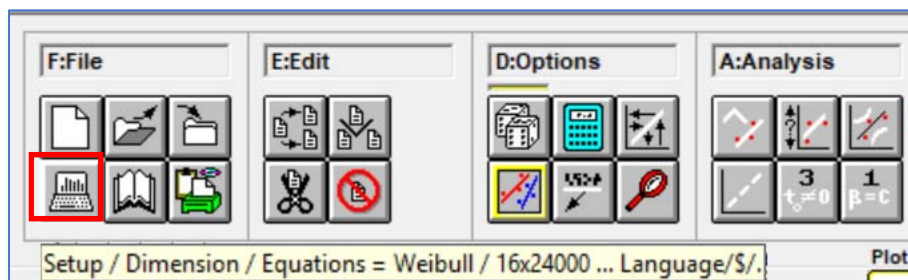


The Demo mode will alter your data before doing calculations. You can see the capability of the software, but the results will not be useful. You can purchase a key by contacting Fulton Findings or Bathtub Software. You will typically get a key in an email that will look something like this: 5.0DG:ABC/Z2Q2D9+ND#Sample-jAct7uh7S47C3TgZgmY6tj-L7QE\$4

You need to save your installation files and this key. We recommend burning to a CD and saving the e-mail as a pdf on the CD as well. IF you change your computer in a few years, the same demo installation files may not be available, and you would need to purchase a software upgrade if you no longer have the installation files and key.

Close SuperSMITH Visual, the help file, and SuperSMITH YBath™, so the only SuperSMITH program running is SuperSMITH Weibull.

In SuperSMITH Weibull, click on the computer setup icon, which is the lower left icon under the File menu, and looks like a laptop

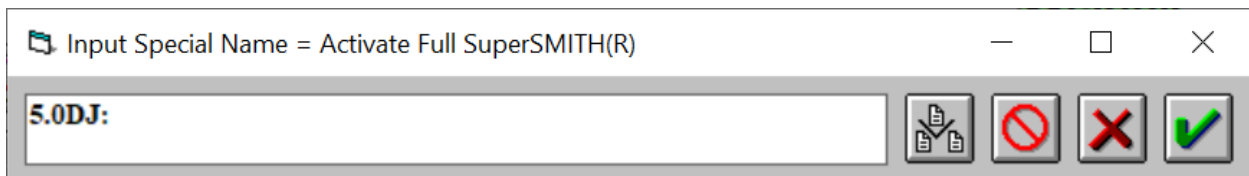


Select the X Demo icon, which is at the upper left corner

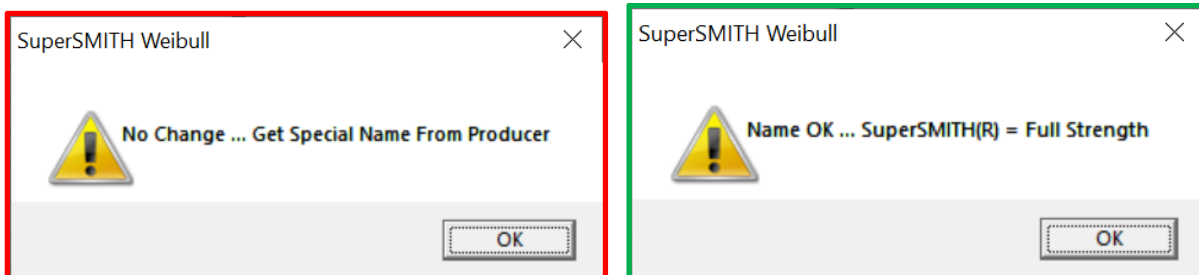




A pop-up box will appear where you can enter or paste the code



You can type the code, or use the Paste button, or <Ctrl> V to paste the code if you have copied it from the e-mail. Then press the green check button. You will get one of these boxes



If you get the “No Change”, the code was invalid. Check for leading/trailing spaces on the code. Or perhaps your code was for a different demo version.

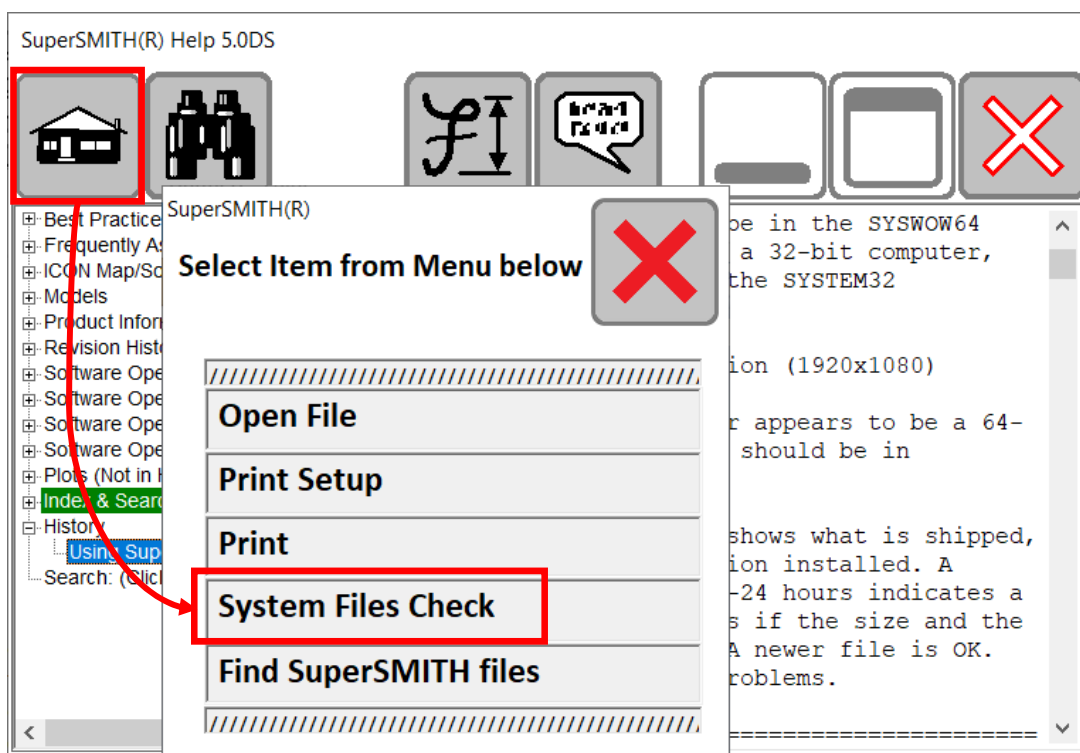
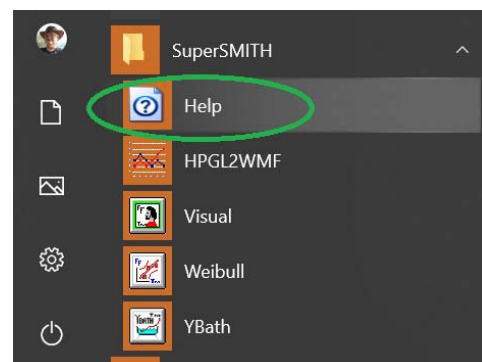
If “Name OK”, then close SuperSMITH Weibull, and re-open it, and repeat step 4. It should no longer say “Demo” in the title bar, and when you enter two points and plot them, it should not change them and it should not say “Data Altered”

Note: Once you have completed this sequence in SuperSMITH Weibull, all of the programs in SuperSMITH are converted to FULL. It is not necessary to repeat it for Visual or YBath, and the Help file does not have a separate Demo mode.

## Step 8: Troubleshooting (If necessary)

If there is a problem during the installation, please send a screen shot of the error message. Usually these problems are due to a “Run as Administrator” issue, or trying to run the installation from within the zipped file. (One other known issue is if a directory has Unicode characters, such as Chinese characters, or encryption, Setup1 may give Windows error code 52.)

If the program installs, but doesn't seem to be running correctly, it may be due to an old control that is maintained by Windows but has not been updated on your system. You can check this in Help. Click the Help Button, or from the start menu, click Help under the SuperSMITH group.



On the Help menu, click the “Home” Icon, then select System Files Check. This will replace the right-hand pane of the help file with several sections of data. There is a URL to Microsoft support. Your screen resolution and Windows version are listed.

The first section of files shows controls that were shipped with your version of SuperSMITH, and the version that is currently installed on Windows.

The (System) control should be the same size and date, or newer. It is possible that the time may be off by 1 to 24 hours. This is normal. System files are created at a specific time, but when a directory is processed, they are converted to local time, so depending on the location, and current status of daylight savings time, they may be off. If it is MORE THAN one day older,

or IF the size is different, then the version is different. You can navigate to the file in File Explorer and right click the file to check the properties to find out version numbers.

The next section is for Windows controls that are not to be distributed by developers, but are to be maintained by Windows and your IT department's update policies. In some cases, you may have a very old control that causes issues. The best solution is for your IT department to update these files through the correct Windows Update routine so they are consistent within your company policy. If needed, we can assist with the current files.

The last section is a list of paths that are used by SuperSMITH™. These are listed along with the directory attributes.

For Technical support, you can send this section to us. Click in the right pane, Press <ctrl>A to select all. You can then RIGHT CLICK to copy it to the clipboard to paste into a text document, or you may be able to "Print" it to a PDF file.

#### **"File in Use" error**

Sometimes the install will give an error about a file in use. This is usually due to another program that is still running that is using ActiveX controls required by SuperSMITH. You may check your Start-up Aps (Click Search, "Start", and select Start up Apps.) You may wish to turn off some apps that may be causing problems. Usually Mice, Anti-virus, drive access routines are **\*\*NOT\*\*** an issue. "Helper" files and local utility routines can be a problem. In one case it was an IT Logging utility that used a common dialog box. Before you turn something off, make sure you can turn it on again. Assistance from your local IT Support is recommended.

#### **Bad Image. Error Status 0xc0000020 Error (Local IT Support recommended.)**

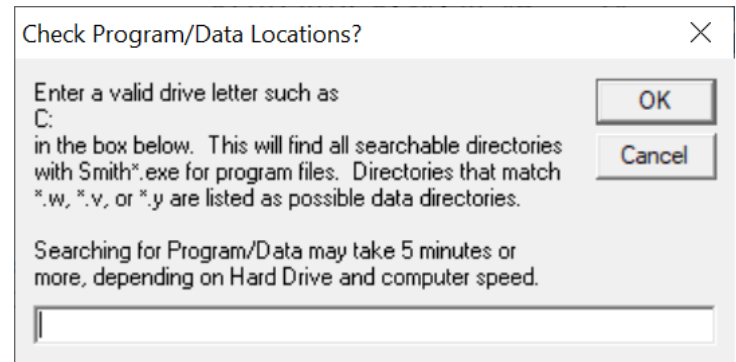
Sometimes, a corrupted install (of SS or another program) or malware can damage system files. Here is a link to check and repair these files. (Note: The link wraps, but it must all be on one line in your browser.)

<https://support.microsoft.com/en-us/windows/using-system-file-checker-in-windows-365e0031-36b1-6031-f804-8fd86e0ef4ca>

In a corporate environment, check with your local IT support. Anti-virus or other programs may interpret this as a malware or pause it.

### Step 9: Additional Debugging and lost file search.

In some cases, everything above looks OK, but clicking on a SuperSMITH icon brings up an old program, which indicates that there one or more duplicate installation(s). In the Help program, under the “Home” menu option, click “Find SS Files”. You will see a box like this. Enter a Drive letter and press OK. This will make two search passes on your computer. The first pass will find all directories that you are authorized to access. (e.g. on a group computer, this will not find other users directories if you are not logged in as an administrator.) The second pass will search each of these directories for the SuperSMITH program files, and SuperSMITH data files.



Normally, the Program directory should just list the installed version, and possibly the zipped and/or unzipped directory where you had the installation files. If there are other directories, you may have duplicate installations, and you can use the add/remove program functions in the control panel to remove unnecessary duplicates.

The data directories may be helpful if you saved a file somewhere and now cannot find it. You must have saved it with the default extension ( .w, .v, or .y). You will still need to navigate to the directory and check the file, as other programs may have made files with these extensions as well.

## Step 10: Quiet Installation for IT automation

For a single user, the installation method described above is the best. If you are an IT professional, charged with updating 20 machines, that is tedious! You can do a quiet install. You will need to test it on some machines to make sure that it is working correctly. The conversion of Demo to Full cannot be done with a quiet install, as the license is typically per user, and they do not need administrator rights to convert to a full version. The file below shows a sample quiet install batch program.

```
@echo off
Rem This does a quiet install of SuperSmith SS_50BF and Later
Rem Created 10 Dec 2014.  Revised 05 Jan 2016

Rem Remove prior version
:Remove_old
Rem With a quiet install, any prior installed file
Rem in the target directory must be removed first
Rem The following lines are common previous directories.
Rem If your prior installation is in
Rem a different directory, make a line similar to the ones below

if exist c:\smithw\st6unst.log st6unst -n c:\smithw\st6unst.log -f -q
if exist "C:\Program Files (x86)\Supersmith Weibull\st6unst.log" st6unst -n
"C:\Program Files (x86)\Supersmith Weibull\st6unst.log" -f -q
if exist "C:\Program Files (x86)\Supersmith\st6unst.log" st6unst -n
"C:\Program Files (x86)\Supersmith\st6unst.log" -f -q
if exist "C:\Program Files\Supersmith Weibull\st6unst.log" st6unst -n
"C:\Program Files\Supersmith Weibull\st6unst.log" -f -q
if exist "C:\Program Files\Supersmith\st6unst.log" st6unst -n "C:\Program
Files\Supersmith\st6unst.log" -f -q

:Quiet_Install
Rem The flag is "-s", not "\s". Setup.exe will convert to "\s" for Setup1.exe
Rem You must include a valid path for the silent log file
Rem There should be no other flags
Rem http://support.microsoft.com/kb/182470
Rem Data will be appended to the silent log.  If errors, they will be noted
Rem Depending on policy and UAC (User Account Control) settings
Rem the user may have to "Allow program to change computer"
Rem Silent mode will still show progress boxes, but no user input is required

setup.exe -s "c:\smithw\silent.log"

:Make_Data
Rem With a silent install, the data directory needs to be copied manually
Rem Create a target directory with a line like the following
Rem Md c:\smithdat

Rem Copy the smithdat directory from the install directory
Rem to target directory
rem copy smithdat\*. * c:\smithdat\

Rem All done with install.  Now return to windows
exit
```

Note that the “If Exist” lines are rather long and shown here as word-wrapped. They need to be one line in the batch file. The “If Exist” checks for common locations for prior installations of SuperSMITH. Since a user can select other installation locations, you may need to check other locations in your environment. (E.g. if 5 years ago, your corporate policy was to install class software in a “C:\Class\” directory, you would need to add that to the list.)

The install may or may not copy the data files in the “Smithdat” directory. Please check and remove the “Rem” from the make directory and copy files as needed.

### **Step 11: Technical Support**

If you are having installation or run-time issues, please try to describe the issue, with screen shots if possible, and send them to technical support:

#### **Technical Support**

Carl Tarum, [ctweb@att.net](mailto:ctweb@att.net)

Cell phone 989.780.5088 Eastern Time, USA