

SCIENTIFIC DATA SYSTEMS, INC.

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**Warrior Software Version 8.0 – Standard Cased Hole**

**Computer Installation of  
Warrior 8.0 Software**

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WARRIOR SOFTWARE VERSION 8.0 STANDARD CASED HOLE

# Computer Installation of Warrior 8.0 Software

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# Introduction

The purpose of this article is to aid the first time user in the set up and installation of Warrior 8.0 software, creating useful shortcuts to be placed on the desktop, loading drivers for Warrior hardware, and installing printers to be used by Warrior 8.0 Software. Refer to the Warrior Field Operations Manual for further information.

Warrior software Release 8.0 is a third-generation 64 / 32-bit program. The Warrior software is a mature logging environment that stresses ease of use, wide versatility, with a true multi-tasking environment. The Warrior software runs on Windows Operating Systems (Windows 7). The Warrior 8.0 software supports Unicode so that the program windows could show text in the users own language. Unlike previous versions of Warrior Software, the standard release no longer includes a demonstration mode. Demonstration software is available in a separate release.

## 1 Warrior Software Installation

### 1.1 Distribution Media

The Warrior Data Acquisition Software version 8.0 (XXXXXX) or latest release, is distributed on one DVD. There are currently plans to install a USB drive in the panel in the near future that will contain the distribution software and required licenses for Warrior 8.0 Software. The software is also downloadable in the form of a single executable file from the web site <http://www.warriorsystem.com/> under **DOWNLOADS**. This file should be saved to a temporary directory and then run to expand the software into an installation folder. It also starts the installation process.

### 1.2 New Installation Warrior Software from DVD

Previous to the installation of the Warrior software we recommend to update the Windows operating system through the Internet connection.



**Warning!**

**Restart the computer and turn OFF the Interface Panel Power supply and disconnect the USB cable to the computer. Do NOT connect the Warrior Interface Panel to the computer via a USB cable before installing the Warrior 8.0 Software. This could cause problems in the later installation of hardware drivers.**

The Warrior Data Acquisition Software DVDs are set up to be self loading on most Windows Operating System computers. The Operating system must be any version of Windows 7 32-bit or 64 bit. After a fresh restart of the computer, open the CD

tray, insert the Warrior Software DVD, and close the tray. The Windows Operating System will look for an autorun.inf file on the CD to start the loading procedure. The interactive menu shown in figure 1.2.2 should appear. Be sure that the CD player has stopped operating before assuming that the autorun file did not execute. There are several reasons that the autorun file may not execute. The two most like causes are the operating system may have autorun capability shut off or existing software on the computer may not allow software to run directly from the CD. Solutions for these problems will be discussed later.



Fig. 1.2.1 CD Start Detected

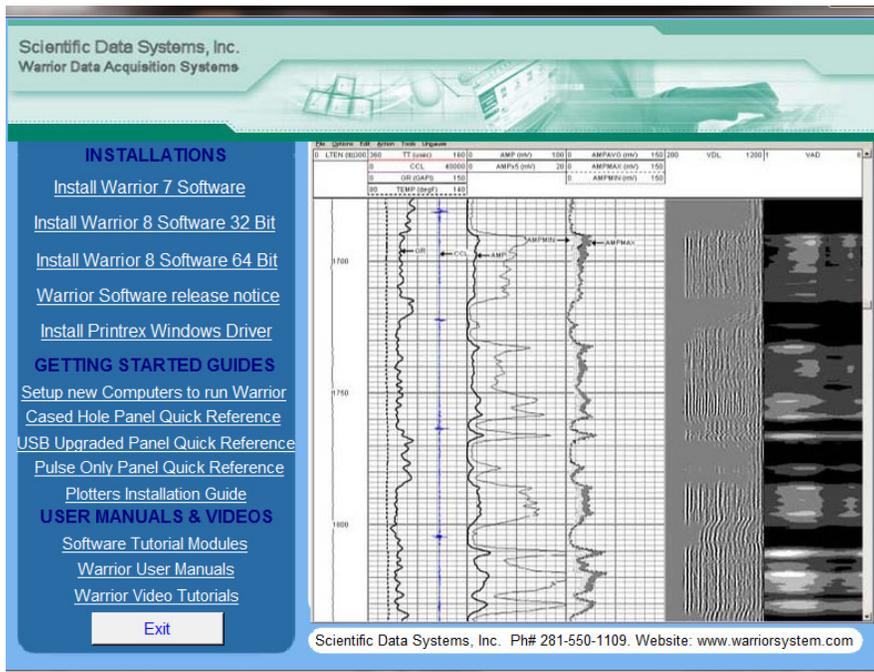


FIG: 1.2.2 Interactive Menu.

From the Interactive Menu, click on the Warrior 8 software installation that you wish to perform. The software will then do a preload to prepare for installation.

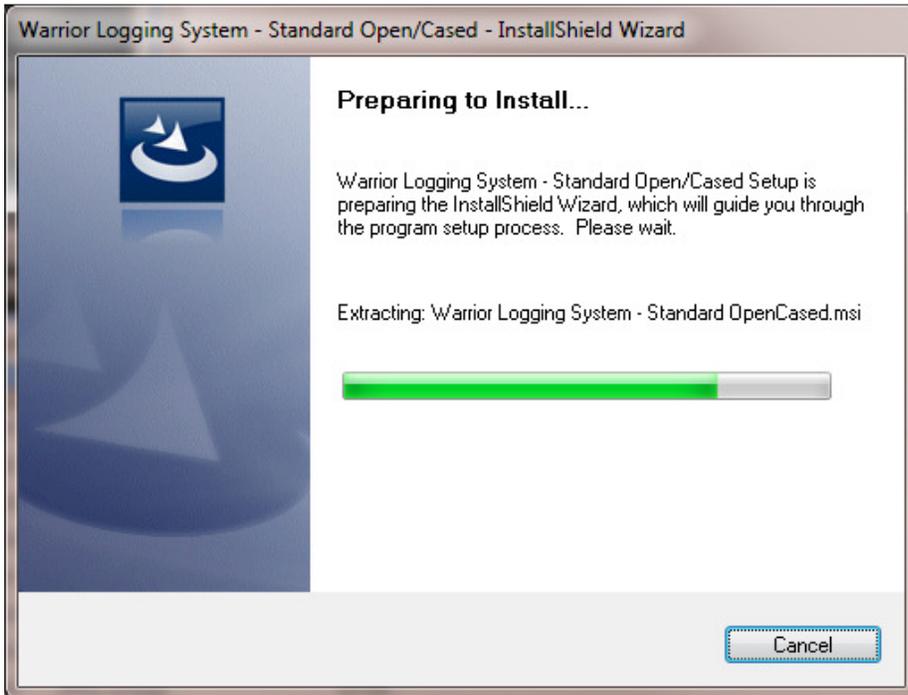


Fig. 1.2.3

The Install Shield Wizard will begin. Click on the **[Next]** button.

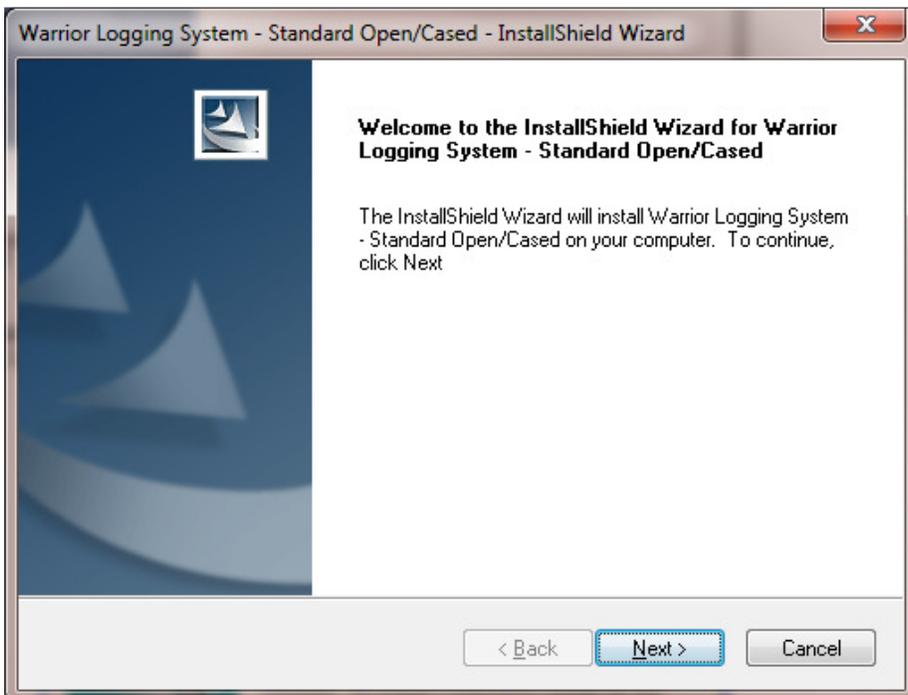


Fig. 1.2.4 InstallShield Wizard

The folder for installing system files is then shown. The [Browse] button can be used to select an alternate folder in which to install the files. It is highly recommended that the default folder be used. Click the **[Next>]** button to continue.

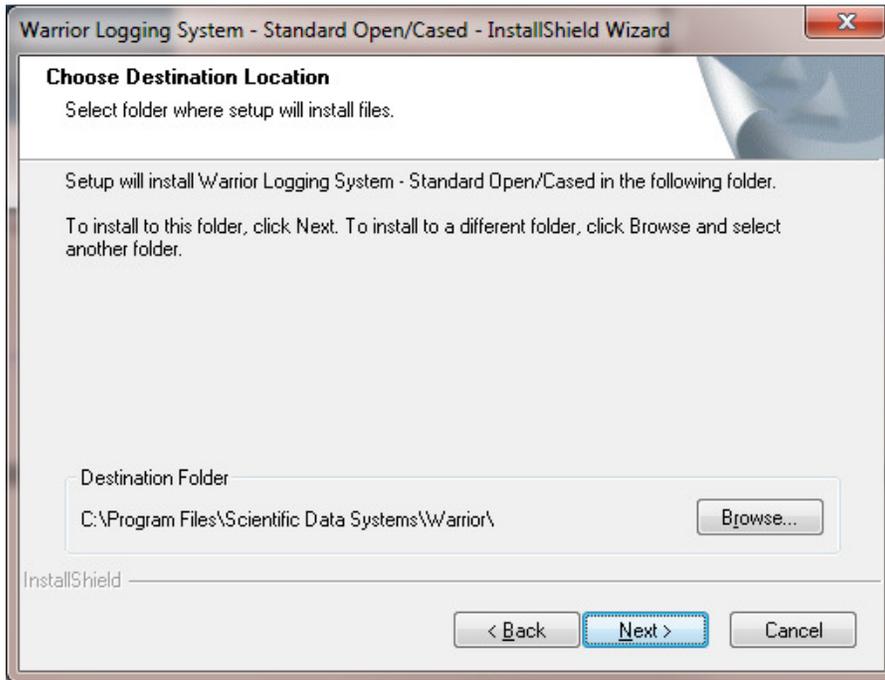


Fig 1.2.5 Program file folder destination

A summary will be shown of the installation options. Click the **[Next>]** Button to Begin installation.

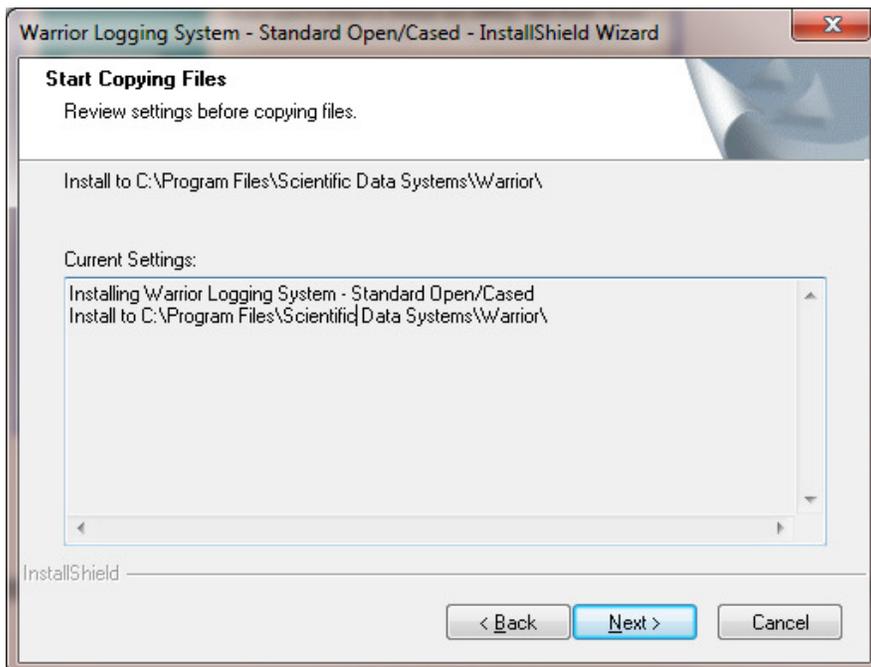


FIG: 1.2.6 Setup Ready to install

The Install Shield wizard will now begin the process of installing the Warrior Software onto the computer.

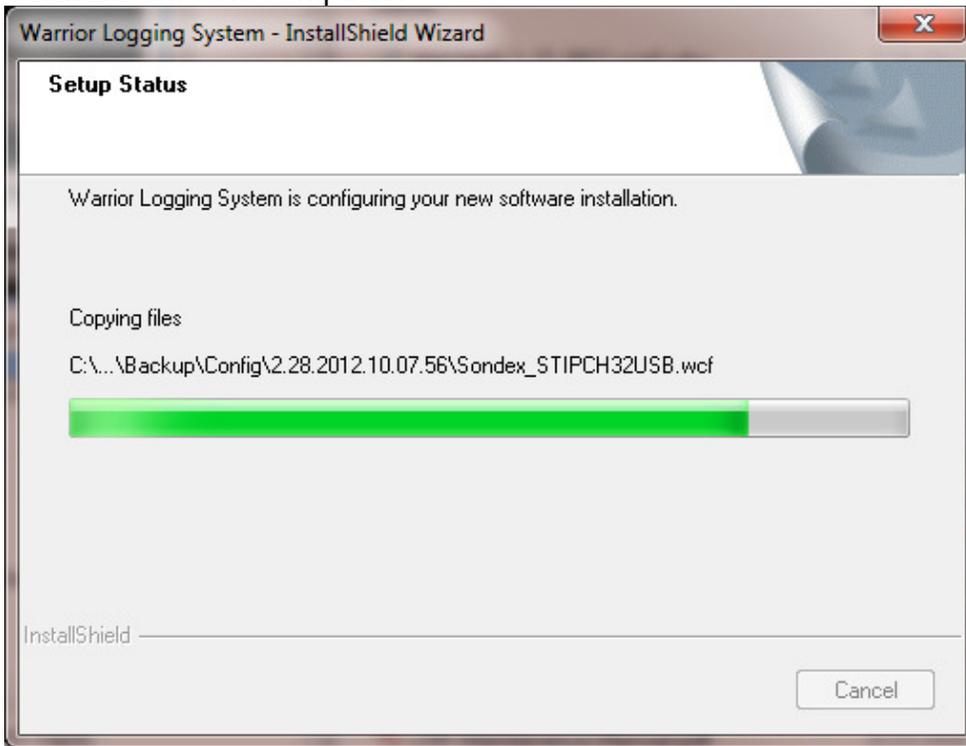


FIG: 1.2.7 Decompress and install the Warrior files

Allow the software to decompress, extract files, and create icons until it is finished.

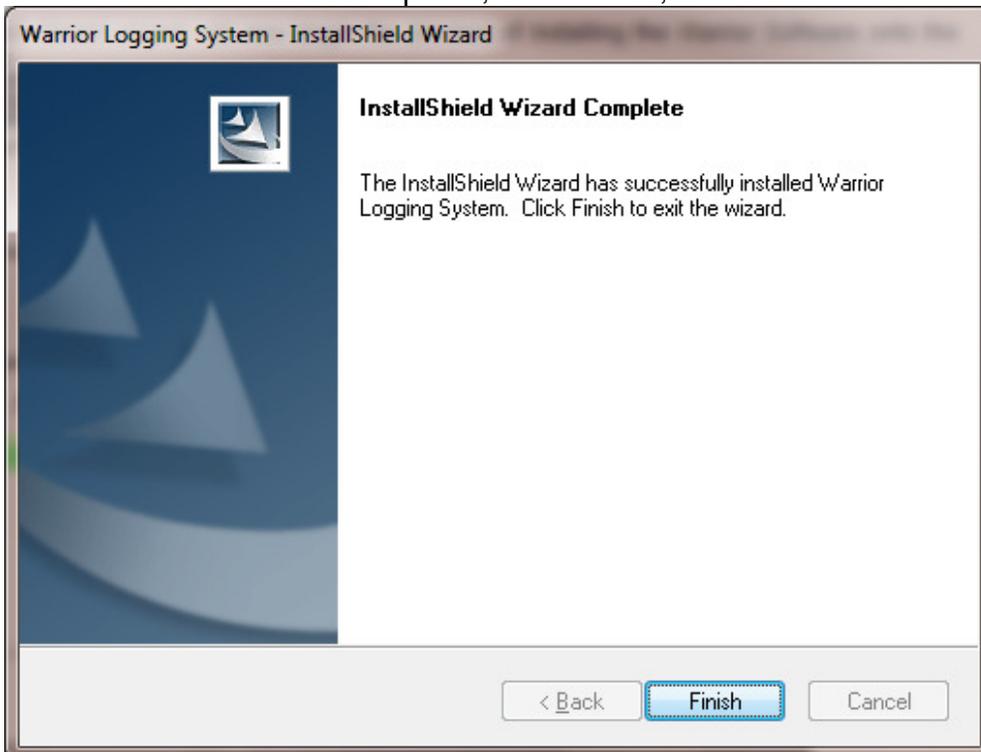


FIG: 1.2.8 Setup has finished.

Click the **[Finish]** button.

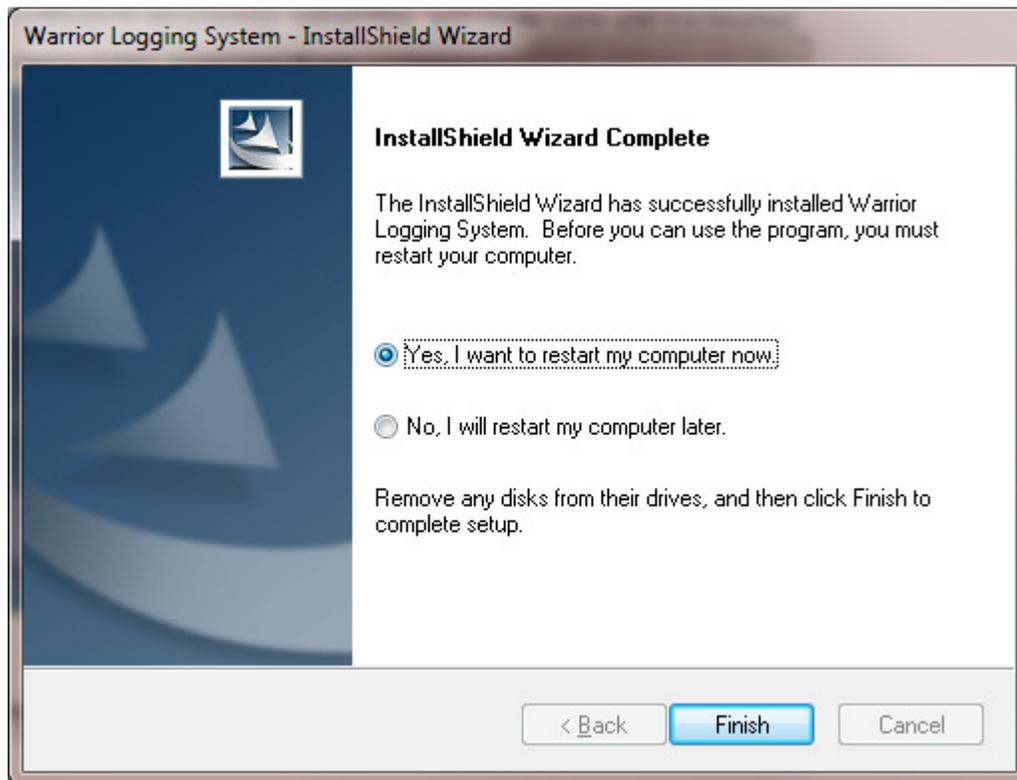


Fig. 1.2.9 Restart computer.

Allow the computer to reboot and finish the installation procedure  
Remove any disk from their drives, and click **[Finish]** to complete setup.

As the computer reboots, before windows starts, the final installation of the Warrior software will begin. There will be changes made to the configuration files that indicate what version of software has been installed. The Hardlock driver for the software key is installed. This may take some time, allow it to complete the Hardlock driver installation.



Fig. 1.2.10

As the SDS USB Devices Drivers are installed, you will be asked to accept the license agreement. Click **[Yes]** to continue.

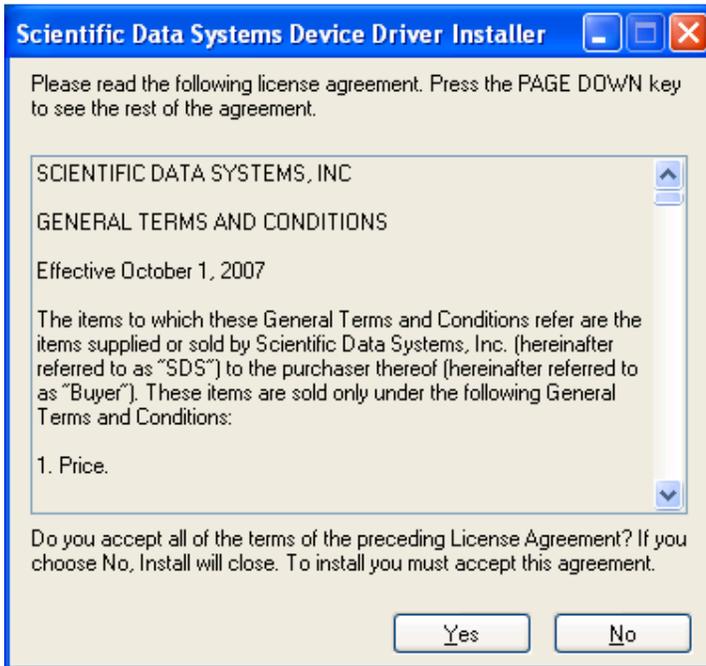


Fig. 1.2.11

The interface panel must be turned off and disconnected from the computer before the devices drivers are installed. Click the **[Next]** button to continue.



Fig. 1.2.12

You will get a window that shows that the devices drivers are installing. Wait for the device driver installation to be completed.



Fig. 1.2.13

When the devices drivers have finished installing, you will be show the confirmation window. Click the **[Finish]** button to proceed. You may notice a black window momentarily flash on the screen as the Warrior Event Logger is installed and started.



Fig. 1.2.14

You should now attach the USB cable from the computer to the Interface Panel and then turn on the panel. The drivers for the devices should load into Windows and be ready to use in a few moments.

### 1.2.1 Warrior Drivers not installed

Some computers may be set up so that occasionally the driver files will not get installed. You will usually get some cryptic message from windows about a requested operation requiring elevation.

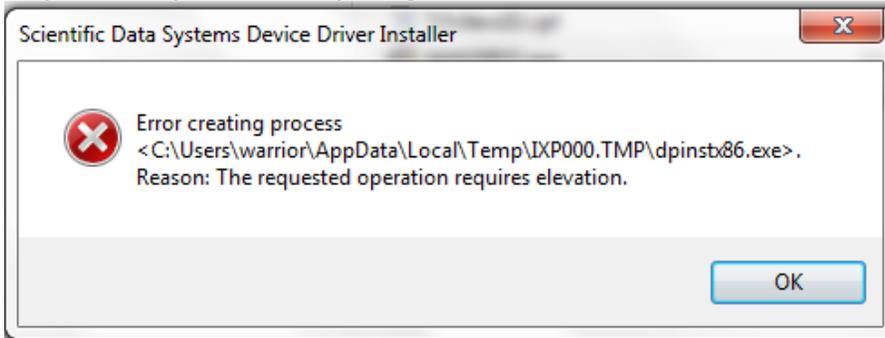


Fig. 1.2.15

To load the Warrior drivers use Windows Explorer and locate the “C:\Program Files\Scientific Data Systems\Warrior\Drivers” folder. Locate either the SDSUSB32.exe or SDSUSB64.exe file for you appropriate system type. Right click on the file and choose the “Run as Administrator” option.

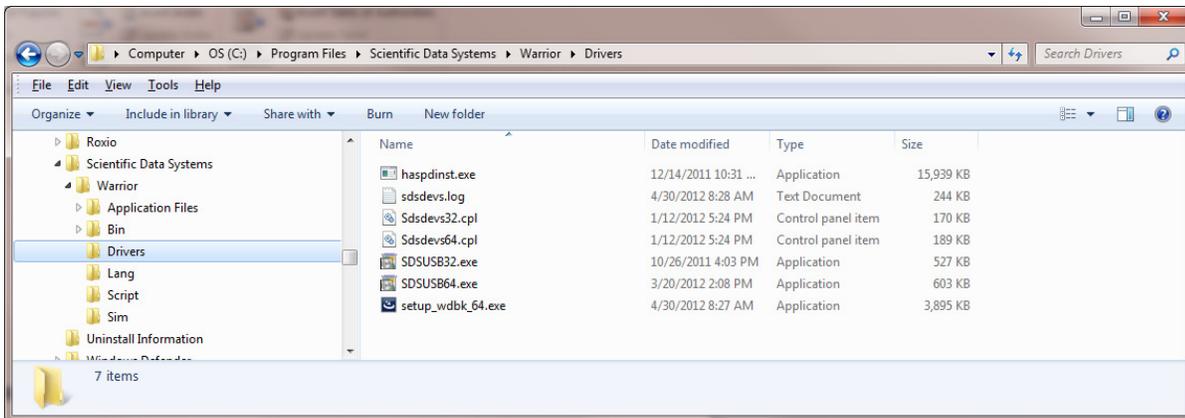


Fig. 1.2.16

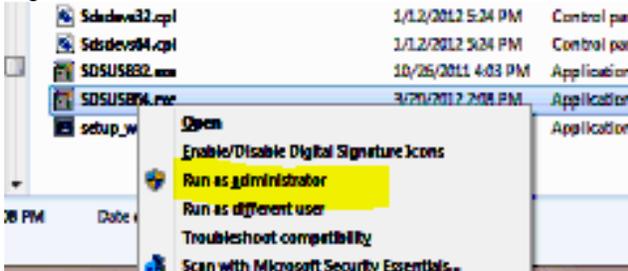


Fig. 1.2.17

### 1.3 Warrior DVD will not self start or autorun

Some computers may have the autorun capability turned of so that CDs will not automatically start loading software. Run the file CD-Start.exe from the DVD or the attached USB drive.

### 1.4 Warrior Shortcut Icon

Perhaps the easiest way to set up a short cut to a program group is through the use of Windows program Selection. Click on the Windows Start Button. Next, click on All Programs. Find the Warrior 8.0 program group and right click on that. Finally, right click on the Warrior program group and select Send to -> Desktop (create shortcut)

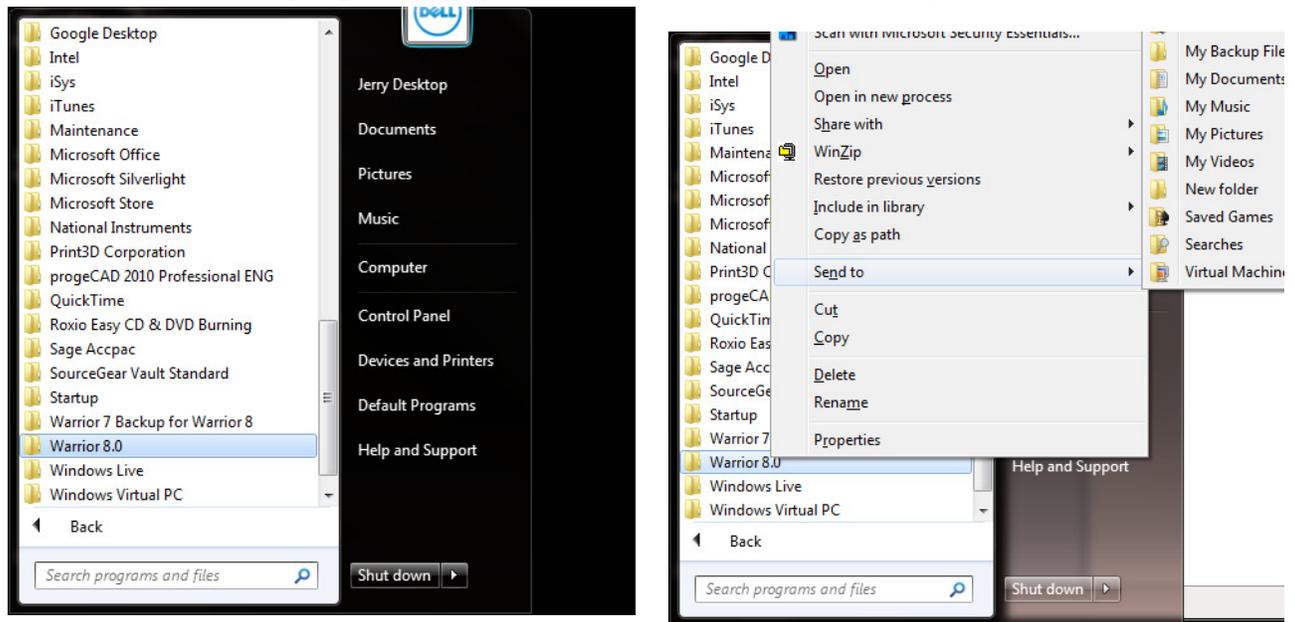


Fig. 1.4.1

It is recommended that the Warrior group programs be placed as a toolbar on the Windows toolbar. It is necessary to first have placed a shortcut to the Warrior program group on the desktop as done in the preceding paragraph. To add the Warrior toolbar, right click on a blank area of the Windows Toolbar. Select Toolbars >> then select New Toolbar . . .

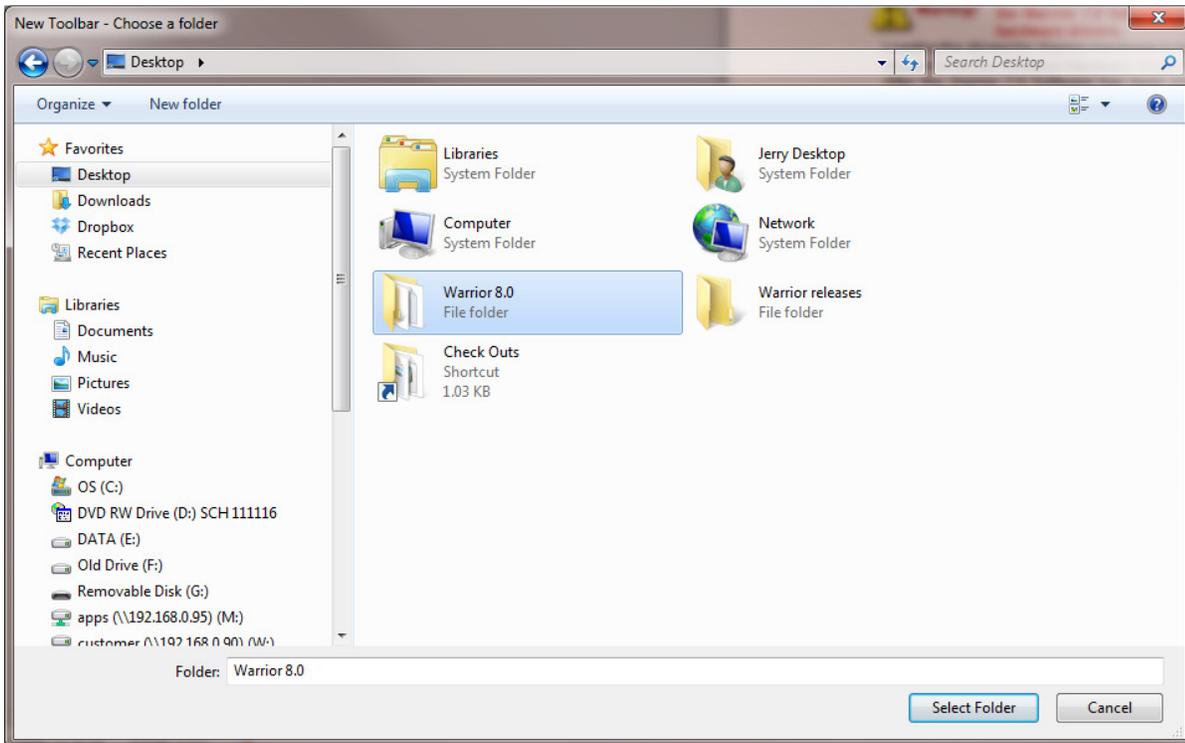


Fig. 1.4.2 Select Toolbar Folder

The window New Toolbar – Chose a Folder window will open. Click on Desktop to view the Desktop folders. Click on Warrior 8.0 folder then click the [Select Folder button]. You should now have a Warrior 8.0 toolbar for quick access to Warrior programs.

## 1.5 Loading Drivers for Warrior Hardware



**Warning! Do NOT connect the Warrior Interface Panel to the computer before installing the Warrior 8.0 Software. This could cause problems in the later installation of hardware drivers.**

Loading the drivers for Warrior Hardware is normally a straightforward procedure if done in the proper sequence as the Windows Hardware Wizard finds the new hardware.

After the Warrior 8.0 Software has been installed on the computer, connect the USB cable to the computer and to the Warrior Interface Panel and turn on the interface panel. You will see Windows has found new device. Wait until you see the message that your device is ready to use.

## 1.6 Key Software Authorization Setup

Before access is allowed to the Warrior 8.0 software, the key authorization codes must be entered through the Warrior Control Panel. From the Warrior group box, select Control Panel.

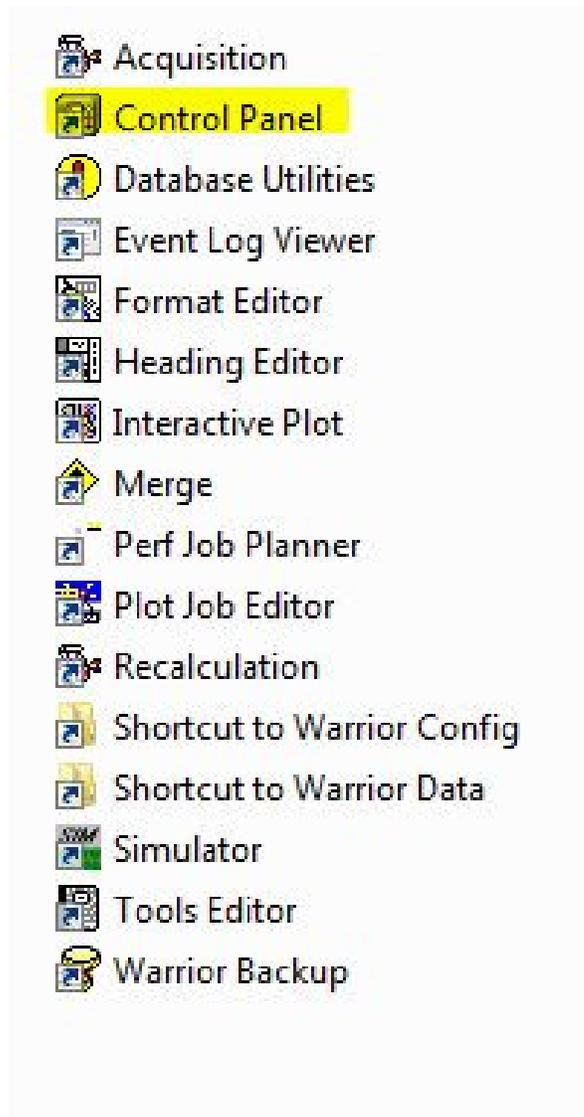


FIG: 1.6.1 Select Control Panel

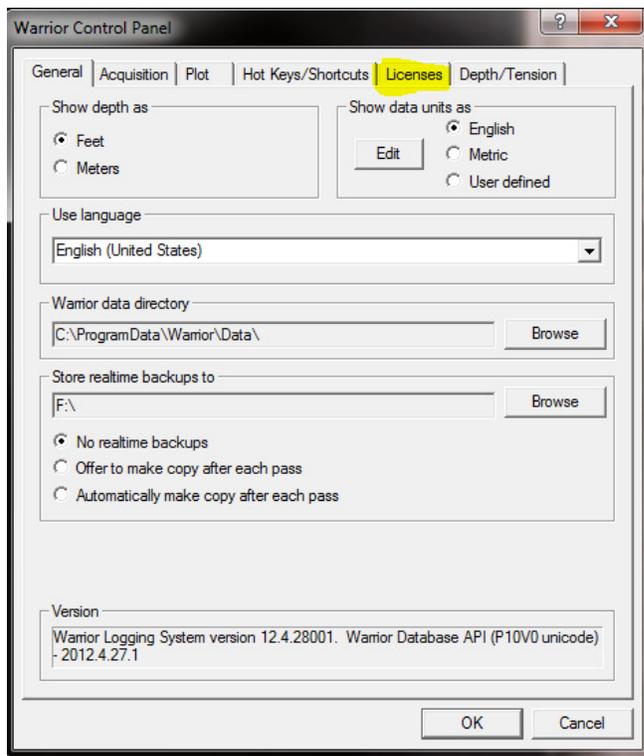


FIG: 1.6.2 Warrior Control Panel

Click on the Licenses tab.

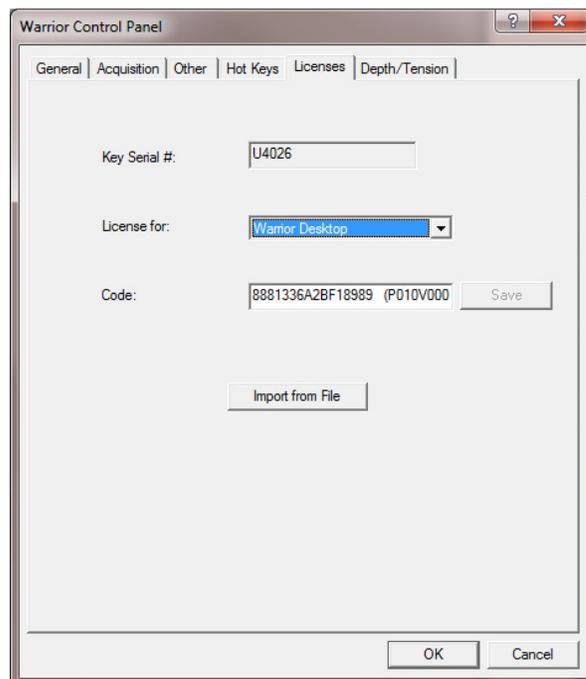


FIG: 1.6.3 Control Panel Licenses

Unlike the older Warrior software that required a single access code, Warrior 8.0 software requires multiple access codes for the different logging modules that get installed. Although the codes can be manually entered by typing the code for each individual license in the code box, the software can now import the codes by reading a text file and merging them into any existing codes. Click on the [Import from file] button to browse for the import file licenses.ini. With new systems, this file will be located on a USB drive installed in the Scientific Data Systems Interface panel.

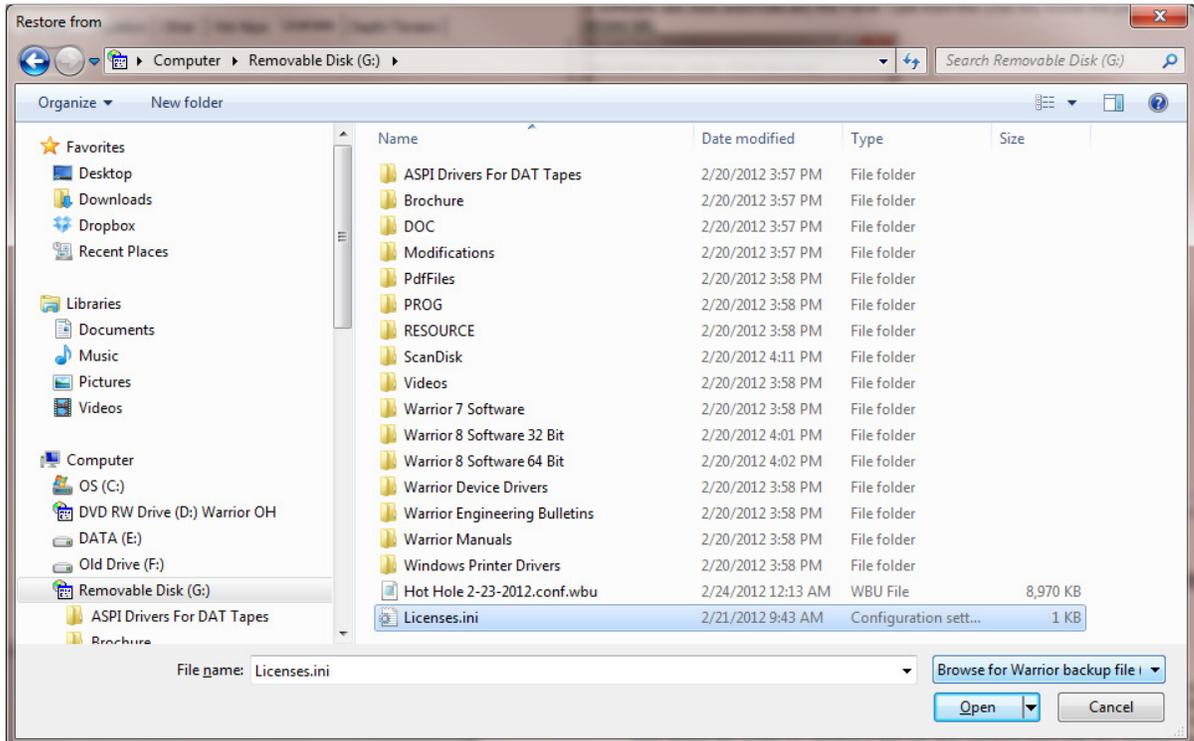


Fig. 1.6.4 Browse for Licenses.ini (normally located on USB drive in interface panel)

The Control Panel will indicate whether the codes were properly imported by showing Import: OK. You can now look at each of the different License in the License for: dropdown list. The software will show the code for the license type shown.

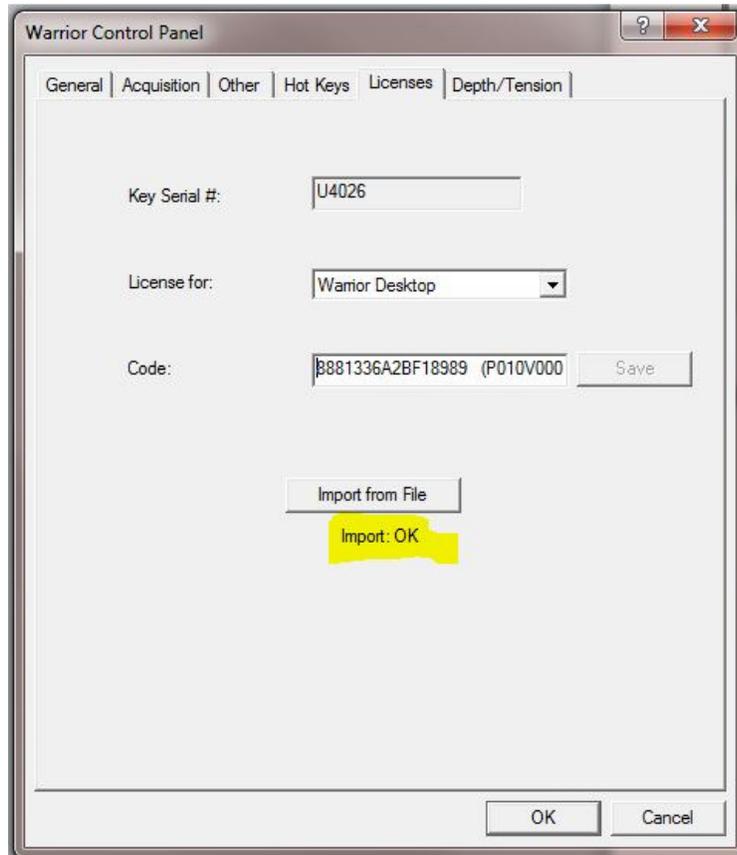


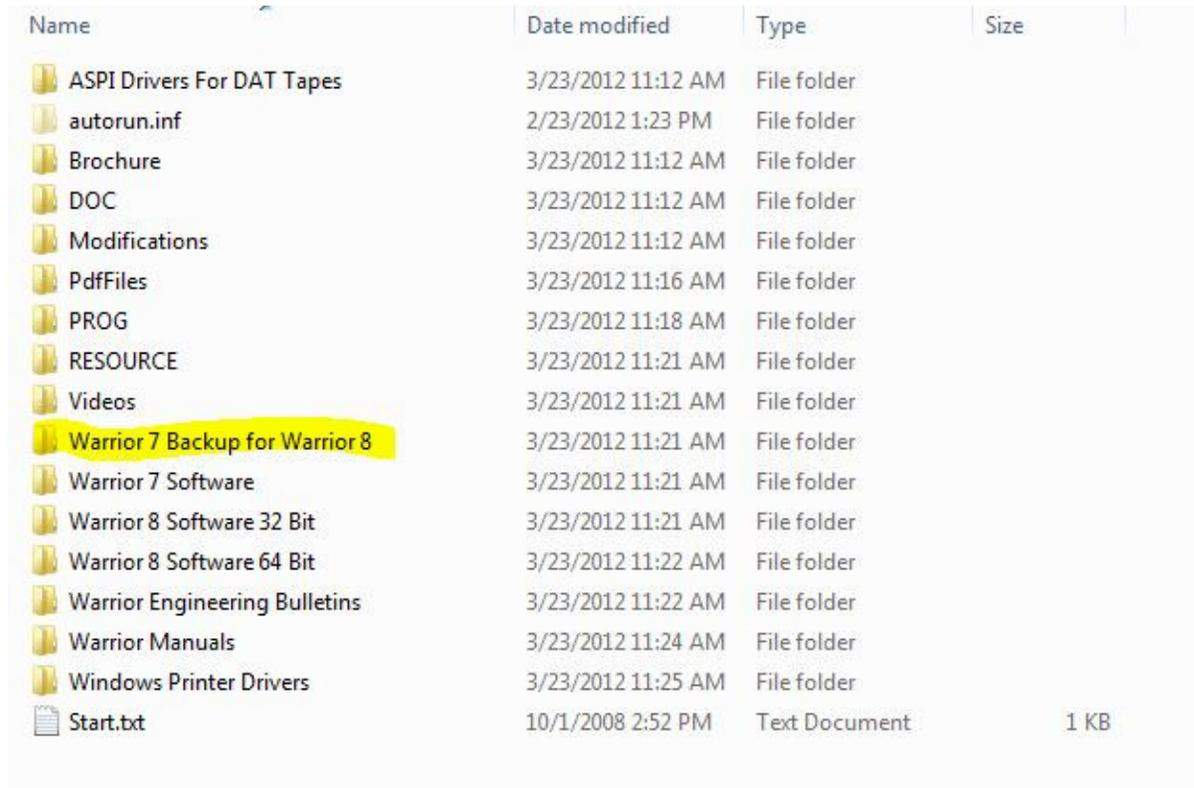
Fig. 1.6.5

## 1.7 Restoring Warrior 7.0 Files to Warrior 8.0

Warrior 7.0 stored most of the text files that it used in an ANSI encoding format. Warrior 8.0 uses UNICODE encoding for the text files, thus the files are usually incompatible from Warrior 7.0 to Warrior 8.0 and cannot be directly copied. To aid in the conversion from Warrior 7.0 to Warrior 8.0 there is a utility that does a configuration backup in Warrior 7.0 that can be used to restore the files into Warrior 8.0.

### 1.7.1 Backing up Warrior 7.0 Files

Insert the Warrior 8.0 distribution media into the computer that is running Warrior 7.0. From the Warrior 8.0 distribution media, locate the folder **Warrior 7 Backup for Warrior 8**. In this folder is the program **setup\_w7bk\_2012\_03\_12001.exe** or similarly named program. Double click on the file to run the program.



Name	Date modified	Type	Size
ASPI Drivers For DAT Tapes	3/23/2012 11:12 AM	File folder	
autorun.inf	2/23/2012 1:23 PM	File folder	
Brochure	3/23/2012 11:12 AM	File folder	
DOC	3/23/2012 11:12 AM	File folder	
Modifications	3/23/2012 11:12 AM	File folder	
PdfFiles	3/23/2012 11:16 AM	File folder	
PROG	3/23/2012 11:18 AM	File folder	
RESOURCE	3/23/2012 11:21 AM	File folder	
Videos	3/23/2012 11:21 AM	File folder	
<b>Warrior 7 Backup for Warrior 8</b>	3/23/2012 11:21 AM	File folder	
Warrior 7 Software	3/23/2012 11:21 AM	File folder	
Warrior 8 Software 32 Bit	3/23/2012 11:21 AM	File folder	
Warrior 8 Software 64 Bit	3/23/2012 11:22 AM	File folder	
Warrior Engineering Bulletins	3/23/2012 11:22 AM	File folder	
Warrior Manuals	3/23/2012 11:24 AM	File folder	
Windows Printer Drivers	3/23/2012 11:25 AM	File folder	
Start.txt	10/1/2008 2:52 PM	Text Document	1 KB

Fig 1.7.1 Warrior 8.0 Distribution media folders



Name	Date modified	Type
<b>setup_w7bk_2012_03_12001.exe</b>	3/12/2012 5:45 PM	Application

Fig. 1.7.2 setup\_w7bk program

When running the Setup\_w7bk program you may be asked to allow the program to make changes to the computer. Click **[Yes]** to continue.

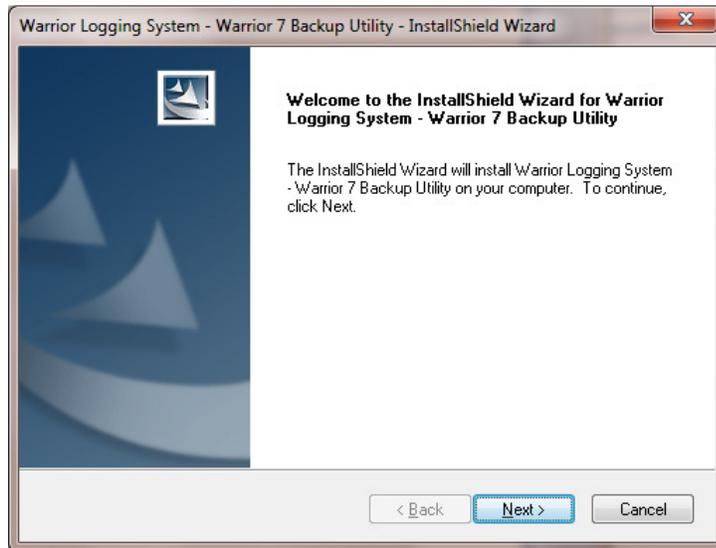


Fig. 1.7.3 Warrior 7 Backup Utility

You will be given the option of where the backup program will be stored. Click the **[Browse...]** button to choose a new location other than the default or click **[Next>]** to continue.

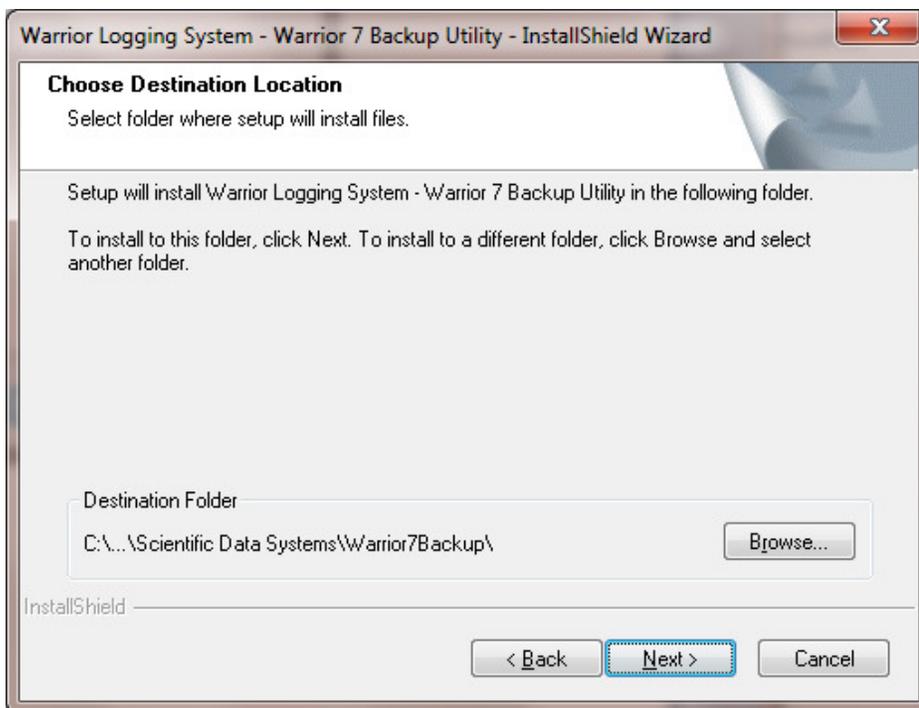


Fig. 1.7.4 Selecting destination folder

The Ready to Install the Program window will come up. Click **[Install]** to continue installation.

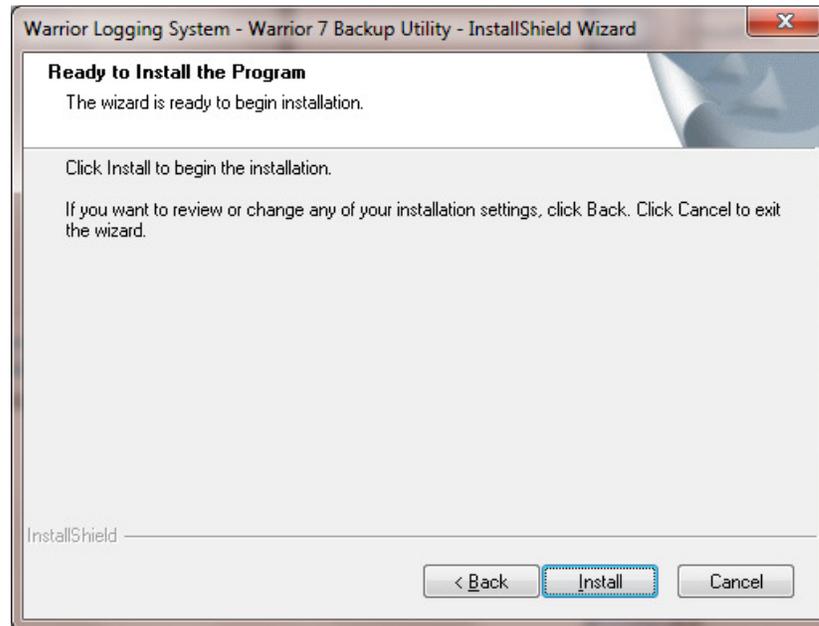


Fig. 1.7.5 Ready to install the program

The Setup Status window will show the progress of the installation.

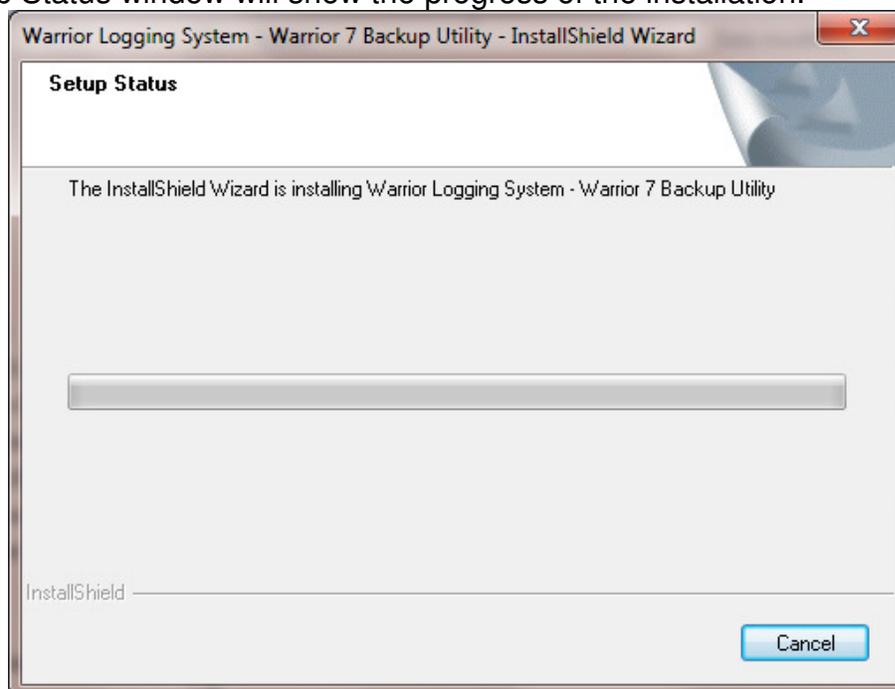


Fig. 1.7.6 Setup Status

The InstallShield Wizard complete window will come up. Click the [Finish] button to close the window.

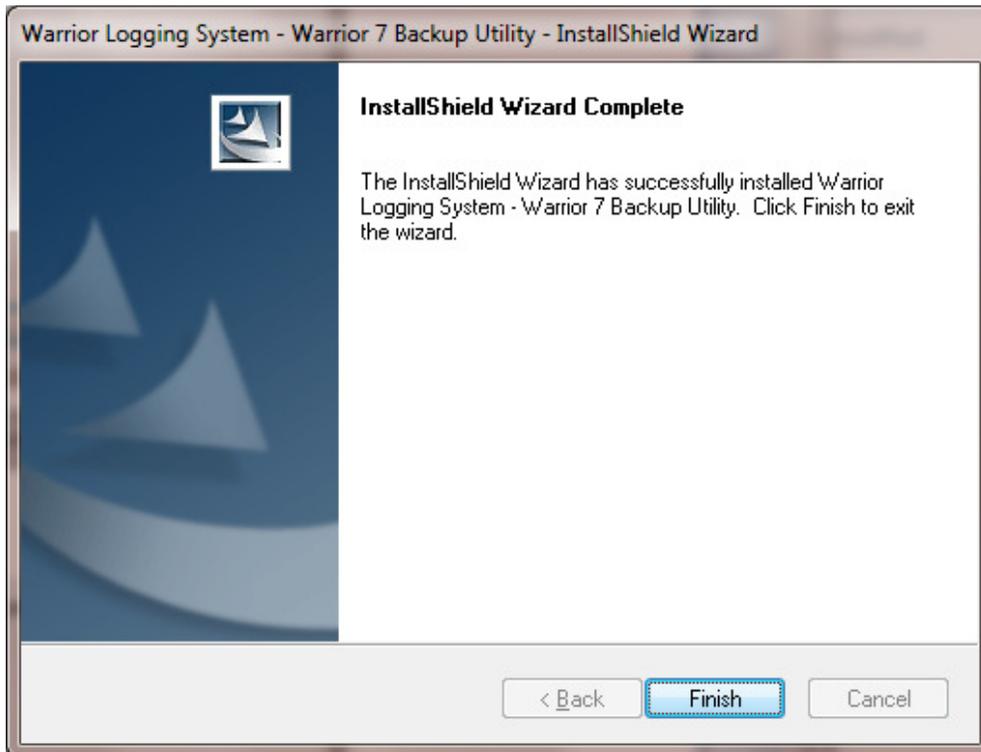


Fig. 1.7.7 Installation Complete

The Installation process of setup\_w7bk will place a new icon on the desktop of the Warrior 7.0 computer.



Fig. 1.7.8 Warrior 7 Backup for Warrior 8 ICON

Double click this Icon to run Warrior 7 backup program. The default location for the file is C:\Warrior\Data. The [Browse] button can be used to change the location where the file will be saved and the file name. It is recommended that the file be placed on a removable media such as a USB drive or writeable CD. Click on the **[Begin]** button to start the backup.

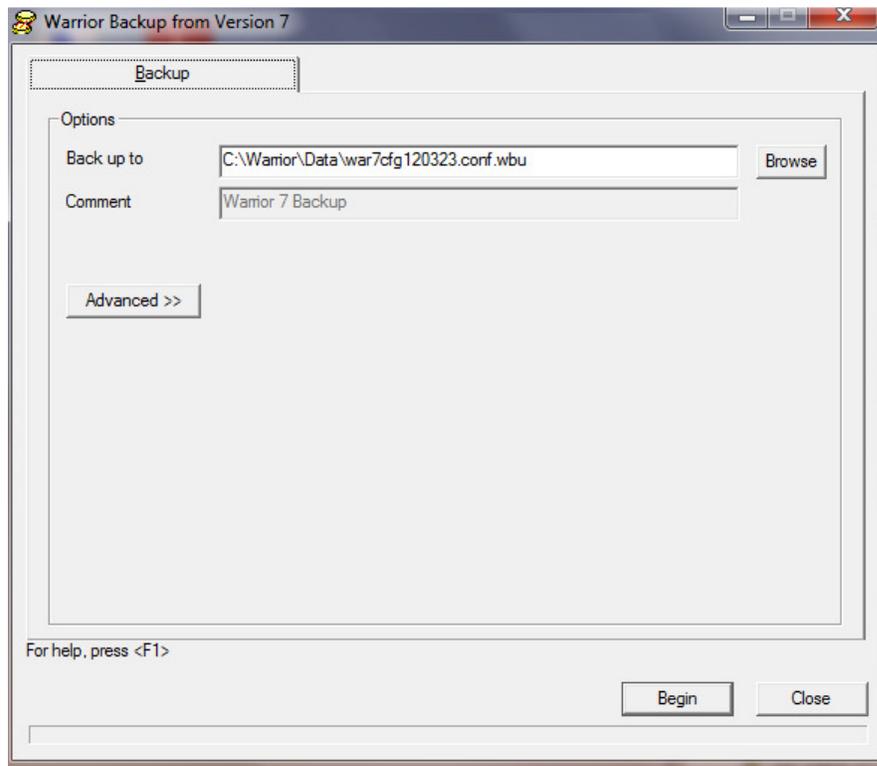


Fig. 1.7.9 Warrior Backup from Version 7

When the file has been created, the program will show that the backup is complete.

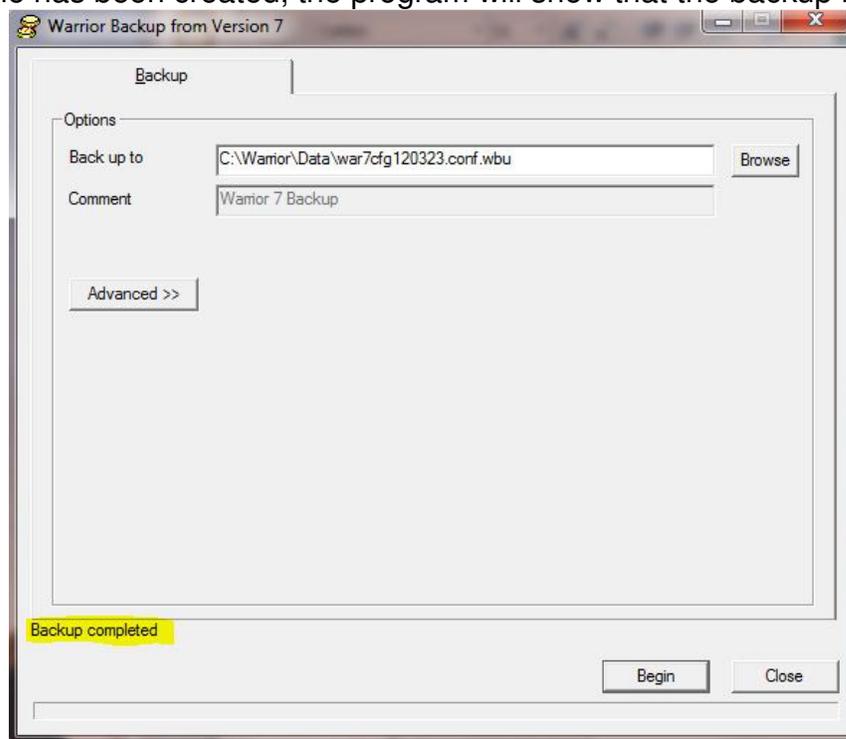


Fig. 1.7.10 Warrior 7 backup complete

### 1.7.2 Restoring Warrior 7 Files to Warrior 8

To restore the Warrior 7 files onto the Warrior 8 computer, on the Warrior 8 computer open the Warrior Backup program and click on the Restore tab. Click on the **[Browse]** button and locate the file that was created on the Warrior 7 computer.

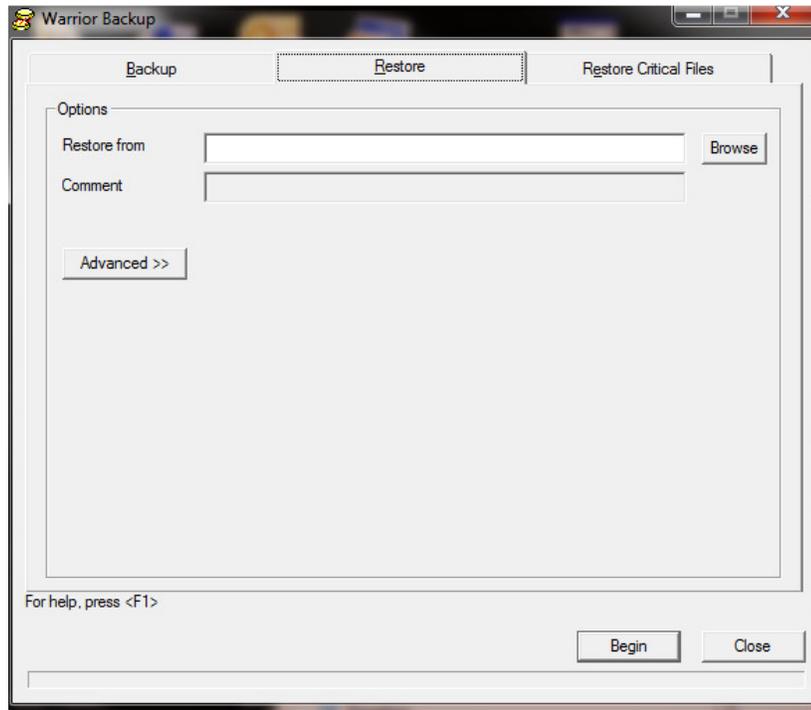


Fig. 1.7.11 Warrior 8 Backup – Restore

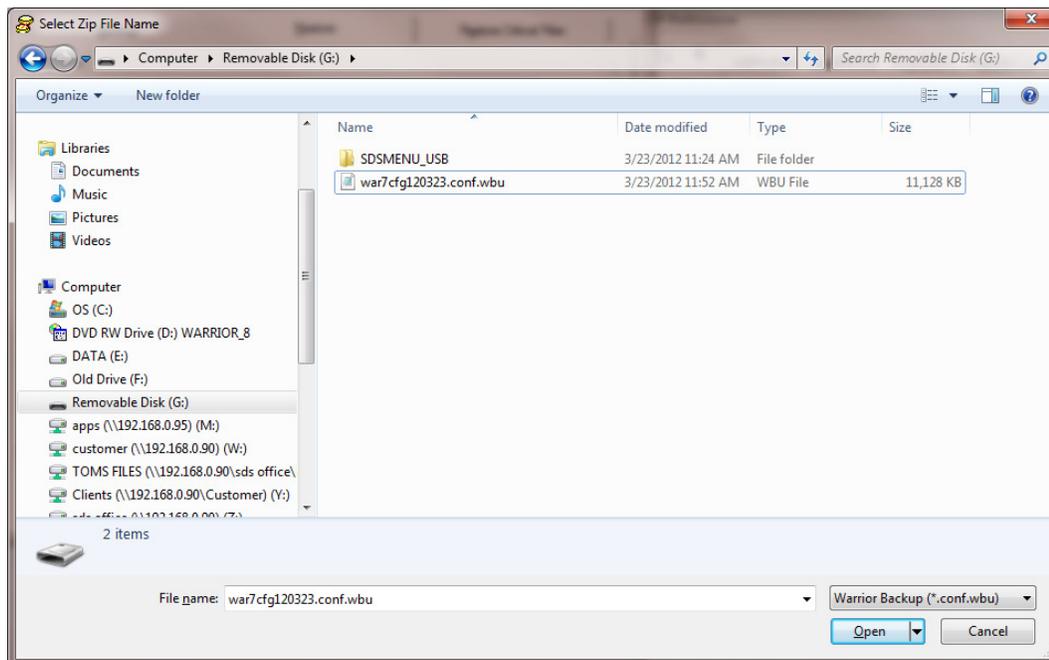


Fig. 1.7.12 Select the conf.wbu file

After you click the [Open] button, you will momentarily see that the software is processing the Warrior 7 files. When the processing is complete, click the **[Begin]** button to transfer the files. You will be asked if you want to restore the Warrior 7 configuration files. Click **[Yes]** to continue.

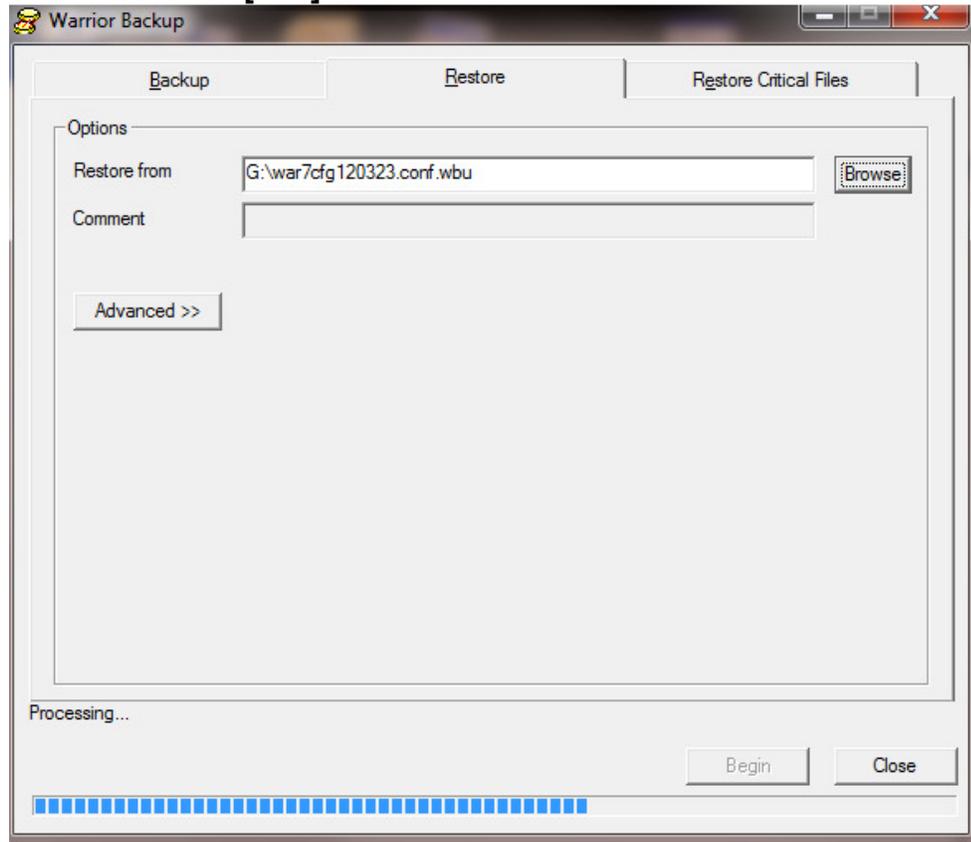


Fig. 1.7.13 Processing Warrior 7 files.

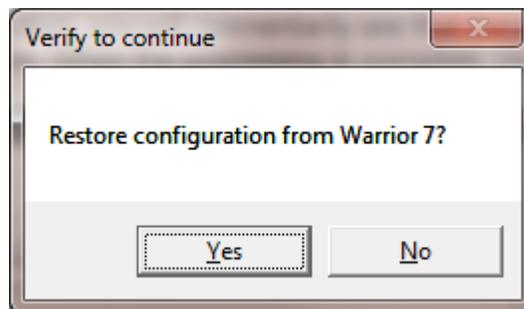
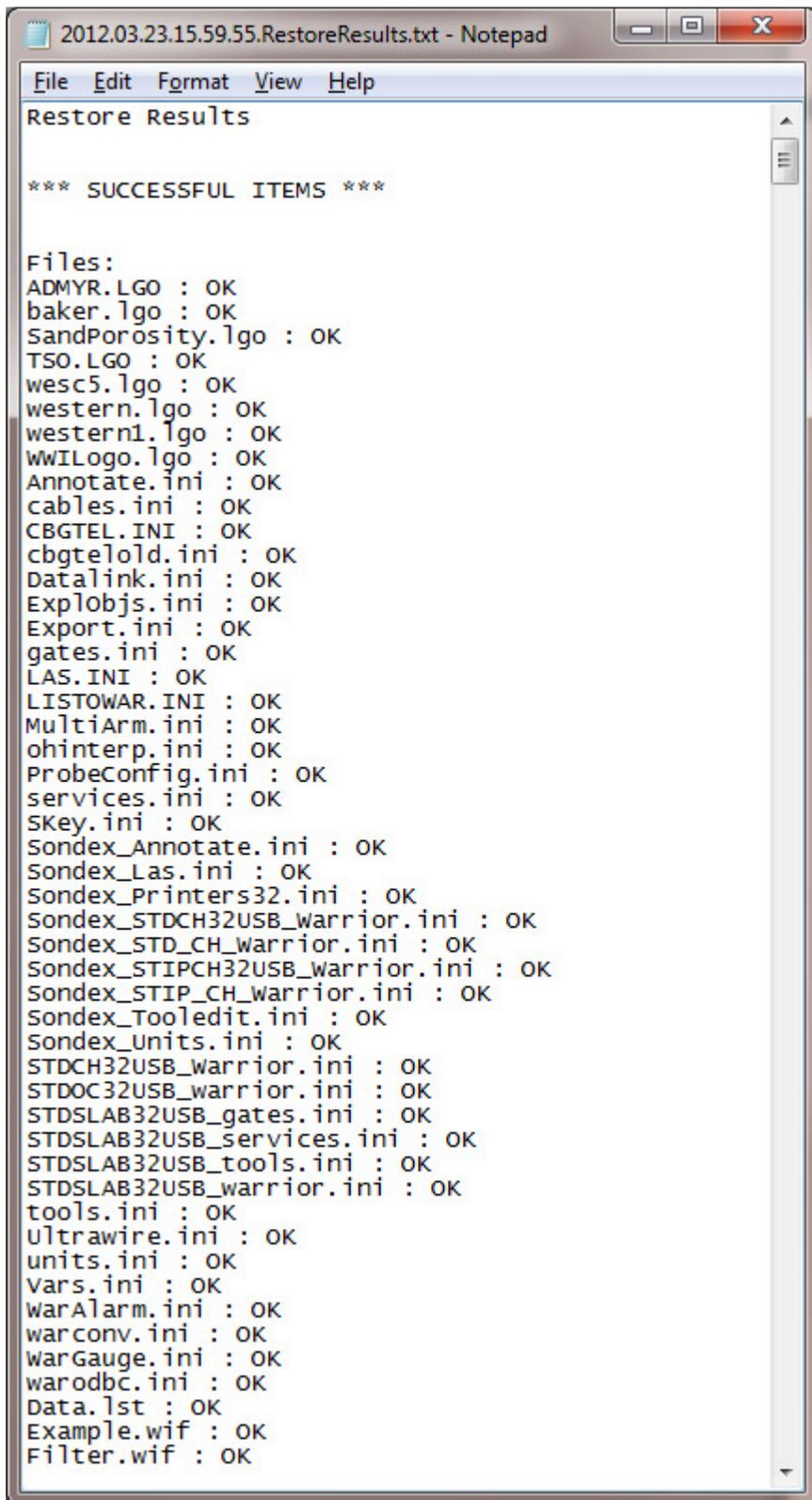


Fig 1.7.14 Verify Restore of Warrior 7 configuration

After the restoration is finished, you will be shown a text file with the results of the restoration process. You can review the results and close the file when done. The Warrior 7 files should now be transferred to the Warrior 8 computer and be ready to use.



```
2012.03.23.15.59.55.RestoreResults.txt - Notepad
File Edit Format View Help
Restore Results

*** SUCCESSFUL ITEMS ***

Files:
ADMYR.LGO : OK
baker.lgo : OK
SandPorosity.lgo : OK
TSO.LGO : OK
wesc5.lgo : OK
western.lgo : OK
western1.lgo : OK
wwILogo.lgo : OK
Annotate.ini : OK
cables.ini : OK
CBGTEL.INI : OK
cbgtelold.ini : OK
Datalink.ini : OK
Explobjs.ini : OK
Export.ini : OK
gates.ini : OK
LAS.INI : OK
LISTOWAR.INI : OK
MultiArm.ini : OK
ohinterp.ini : OK
ProbeConfig.ini : OK
services.ini : OK
SKey.ini : OK
Sondex_Annotate.ini : OK
Sondex_Las.ini : OK
Sondex_Printers32.ini : OK
Sondex_STDCH32USB_warrior.ini : OK
Sondex_STD_CH_warrior.ini : OK
Sondex_STIPCH32USB_warrior.ini : OK
Sondex_STIP_CH_warrior.ini : OK
Sondex_Tooledit.ini : OK
Sondex_Units.ini : OK
STDCH32USB_warrior.ini : OK
STDOC32USB_warrior.ini : OK
STDSLAB32USB_gates.ini : OK
STDSLAB32USB_services.ini : OK
STDSLAB32USB_tools.ini : OK
STDSLAB32USB_warrior.ini : OK
tools.ini : OK
Ultrawire.ini : OK
units.ini : OK
Vars.ini : OK
warAlarm.ini : OK
warconv.ini : OK
warGauge.ini : OK
warodbc.ini : OK
Data.lst : OK
Example.wif : OK
Filter.wif : OK
```

Fig. 1.7.15 Restore results



## 2 Printer Installations

To be able to produce a hardcopy of your data from the Warrior software, a Windows printer must first be installed. The Warrior software includes the capability to print / plot to common plotters while logging but the software uses the Windows spooling to buffer the plotter output. Other plotters may be used to plot logs through Windows after data recording as stopped.

### 2.1 Windows Printer Installation.

To facilitate this operation a USB Port has been assign on the Interface Panel (rear Plate) and marker "Plotter". It is recommended to use this USB port for your printer connection. With the printer turned off, plug in the USB cable or USB to Centronix Printer Adapter cable into the USB port. Make sure that the USB cable from the computer to the Interface Panel is properly connected. Turn the Printer On.

Windows will often install printer driver automatically. To see if Windows has installed the printer, click on the Windows start button and then click on the Device and Printers selection.

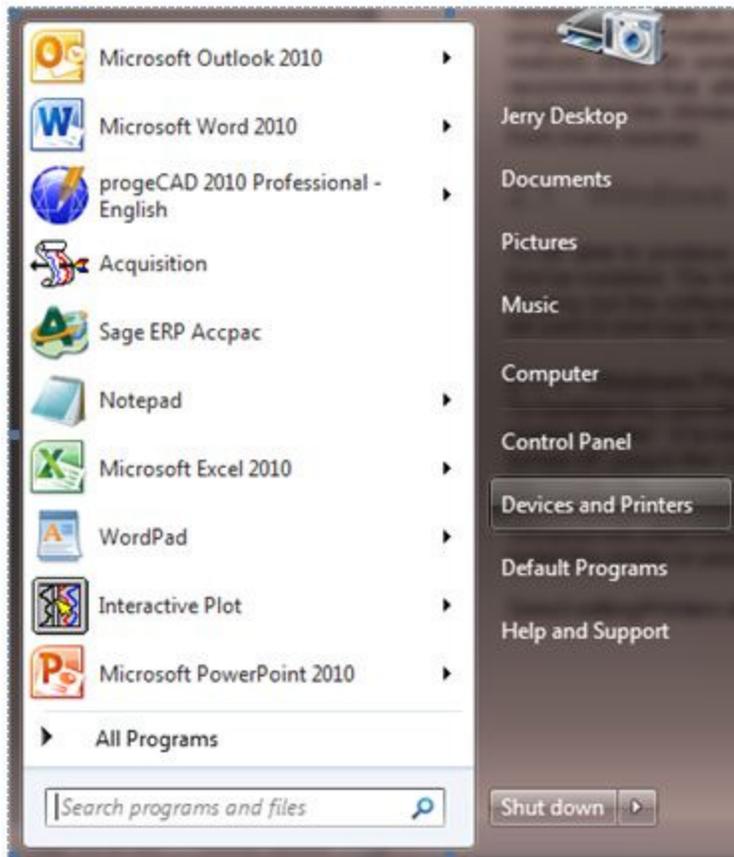


Fig. 2.1.1 Windows Start Button and Devices and Printers selection

Look in the Printers and Faxes section and see if the printer that you have connect has been automatically installed. If it hasn't been, then Windows drivers will have to be installed manually. At this point the manufacturer's drivers must be available. Drivers for black and white plotters normally supplied by Scientific Data Systems, such as Printrex and Isys, are on the Warrior installation CD.

Place the CD or other media containing the device drivers in the computer so that they are available when required during the printer installation. Click on Add a Printer in the Windows Devices and Printers window.

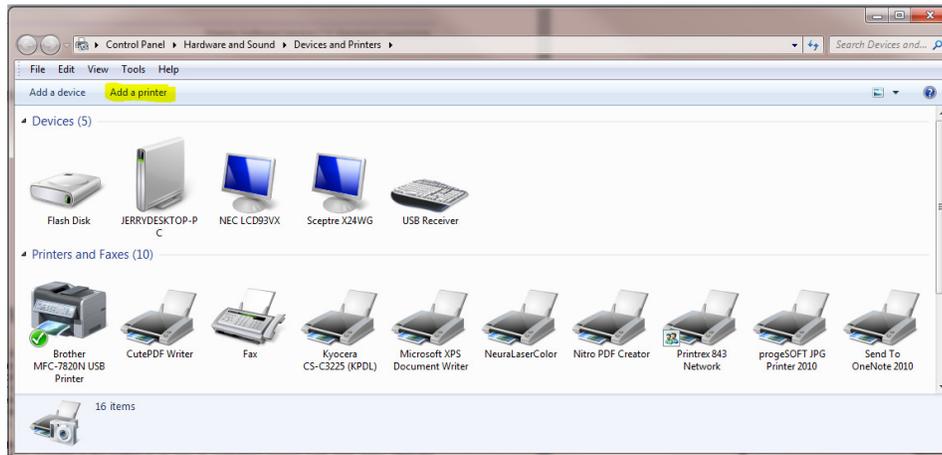


Fig. 2.1.2 Click on Add a printer

Click on the Add a local printer selection

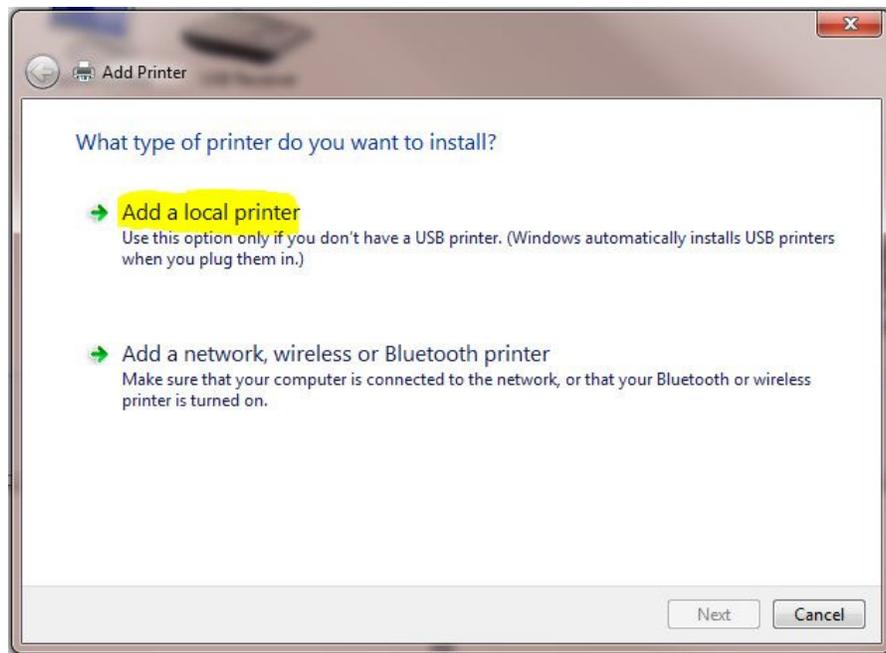


Fig. 2.1.3 Add a local printer

Click on the Use existing port selection, then drop down the scroll down printer port list to the right of the selection until you find USBxxx (Virtual printer port for USB). There may be several USB virtual printer ports, typically the highest numbered one is the last device that was plugged in to a USB Port. After selecting a USB port click the **[Next]** button.

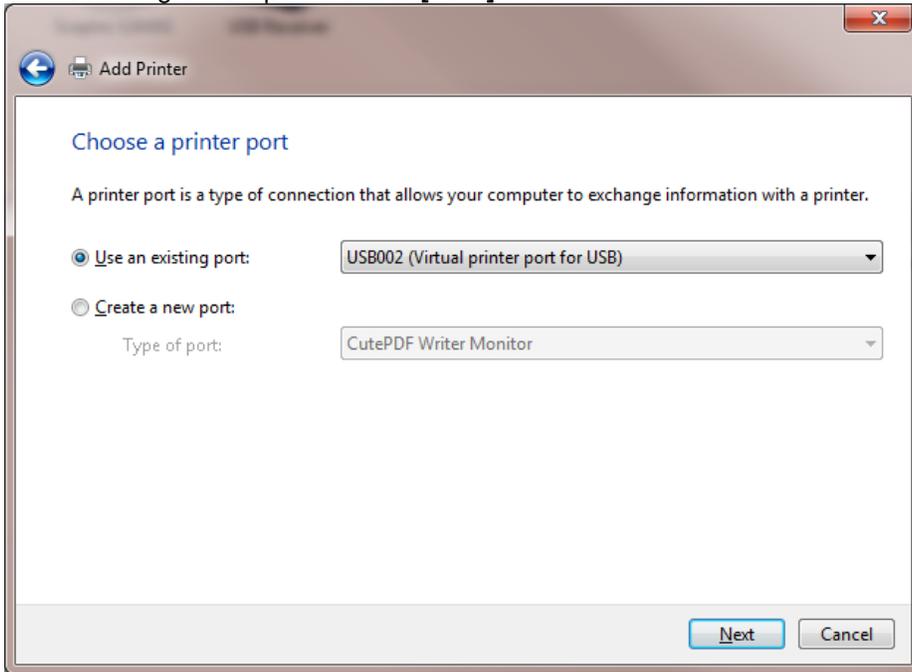


Fig. 2.1.4

The next step is to select the location of the printer driver to be installed.

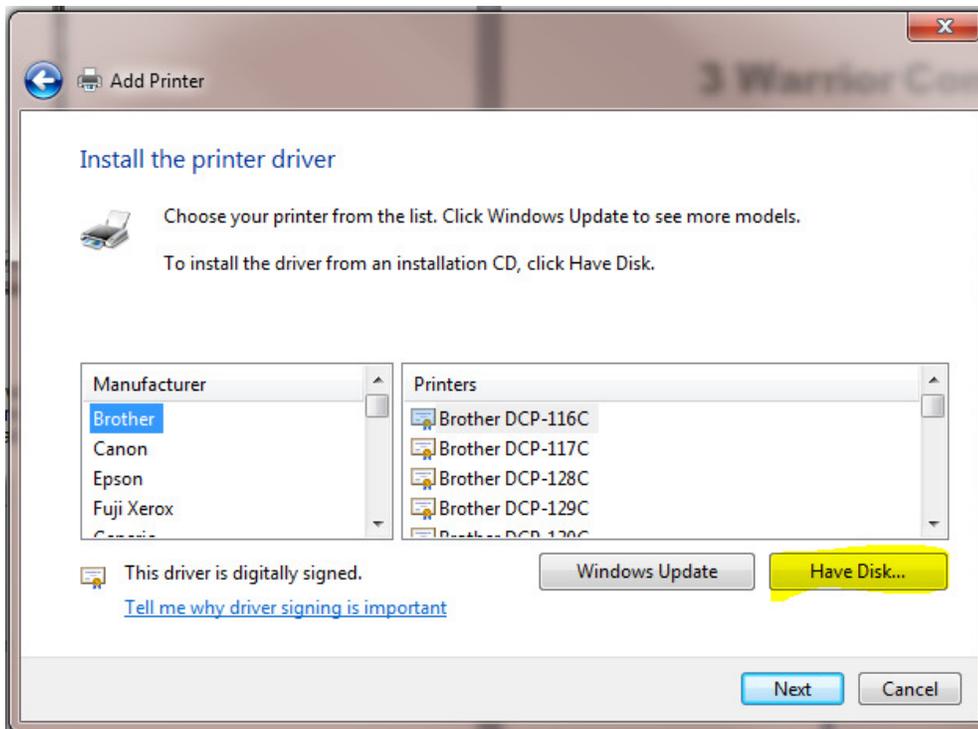


Fig. 2.1.5 Click [Have Disk]

The list on the left side of the window are printer manufacturers that Microsoft supports or that have previously been installed on the computer. Check the list to see if the manufacturer is in the list. If it is not in the list, click on [Have Disk ...].

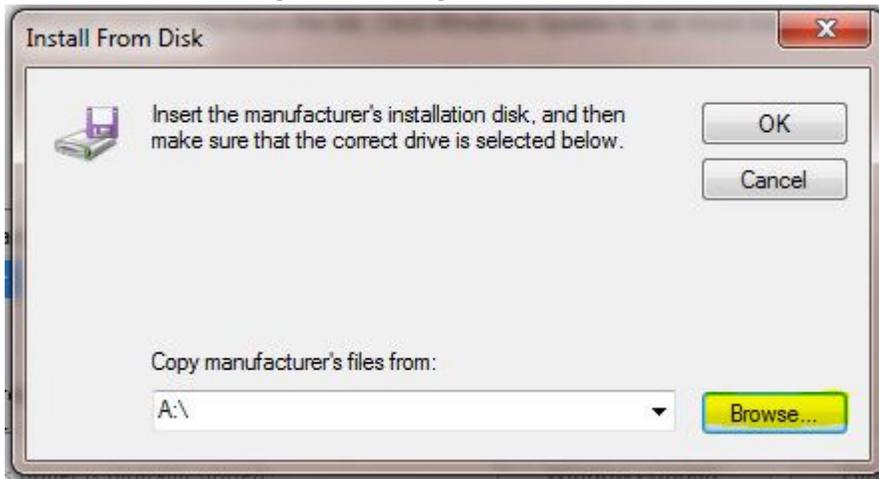


Fig. 2.1.6 Installation disk

Click on the [Browse ...] button to locate the drivers for the printer. The Warrior Installation CD contains drivers for the plotters that Scientific Data Systems has supplied.

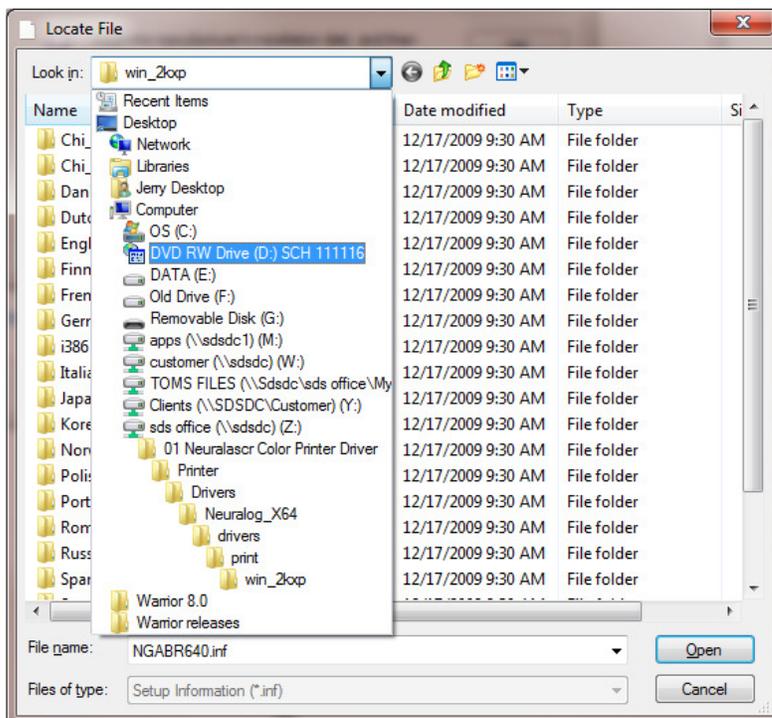


Fig. 2.1.7 Warrior CD

Click the Look in: drop down list in the Locate File window to find the Warrior Installation CD in the computer CD / DVD Drive and double click on it.

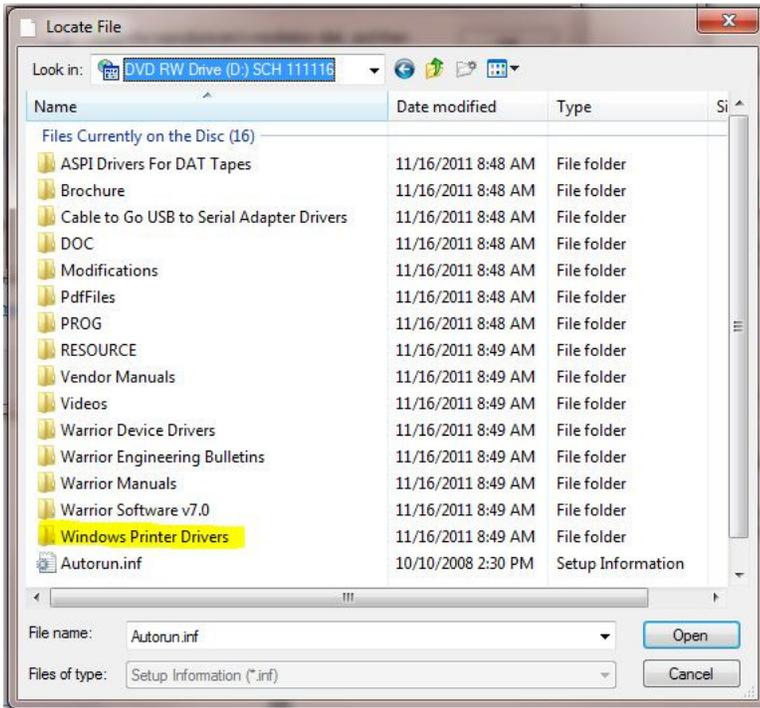


Fig. 2.1.8

On the Warrior CD, locate the Windows Printer Drivers folder and double click on it.

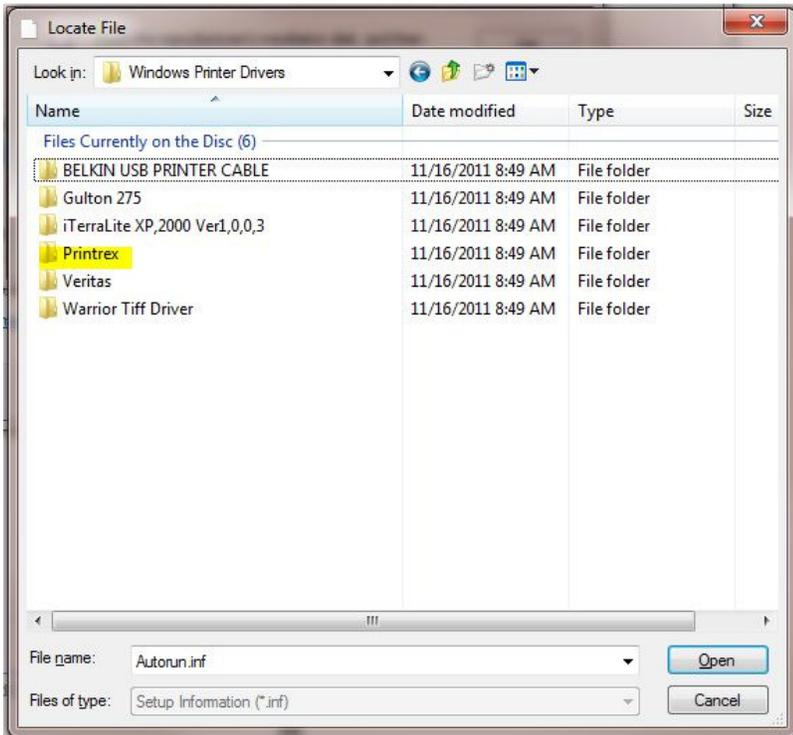


Fig. 2.1.9

Select the plotter manufacturer and double click on that folder.

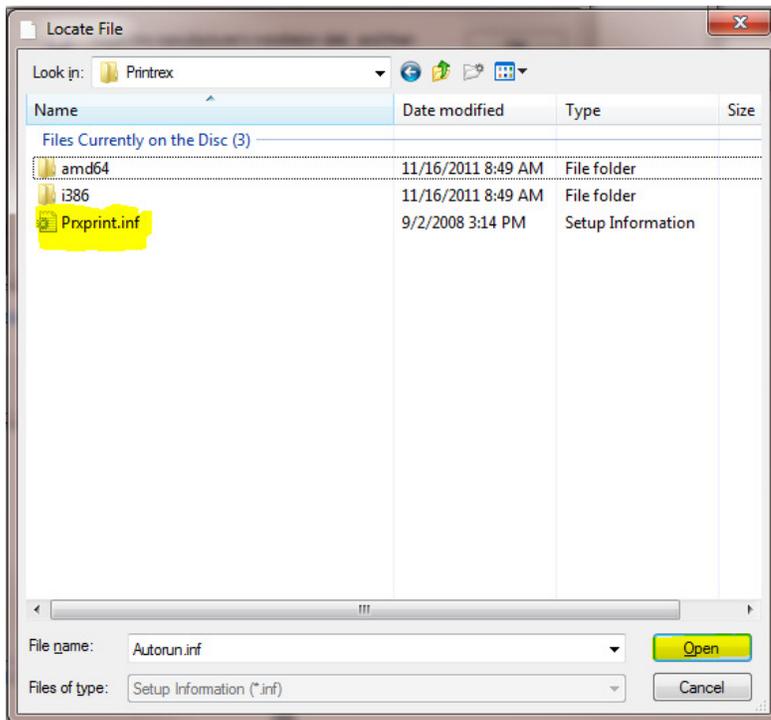


Fig 2.1.10

When the proper .inf, or setup information file has been located, click the file and then click on the [Open] Button.

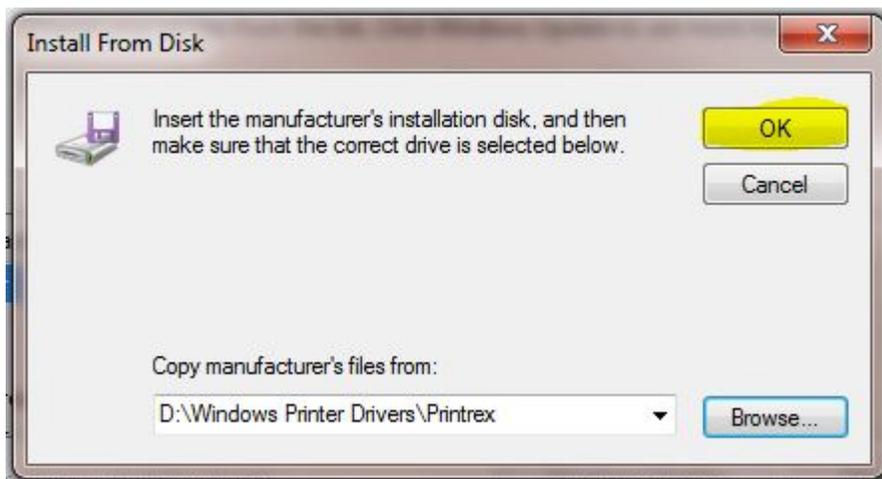


Fig 2.1.11

This should return you to the Install from Disk window with the manufacturers files selected. Click the [OK] button to continue.

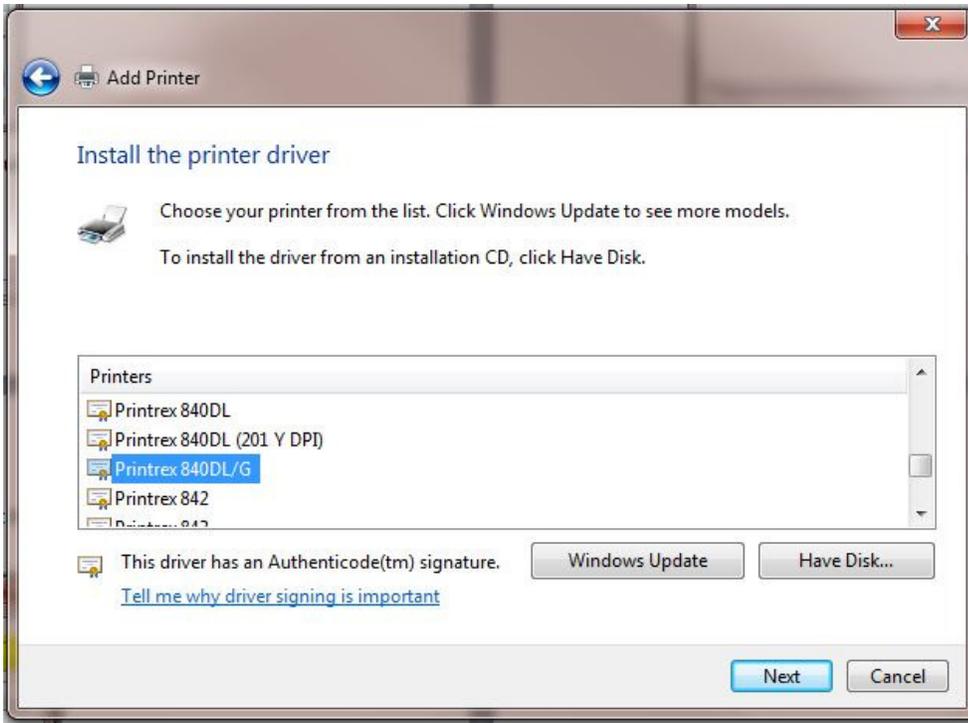


Fig. 2.1.12 Selecting printer

You should now have a drop down list of the manufacturers printers. Scroll down the list to find the model of the printer that in being installed and click [Next].

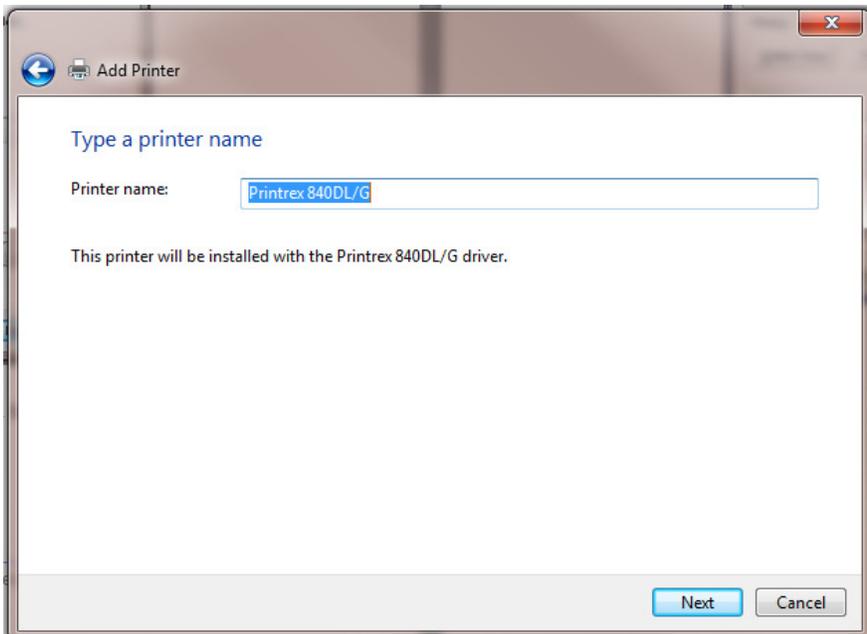


Fig. 2.1.13  
Either enter a new printer name or accept the printer name Windows has assigned by clicking the [Next] button.

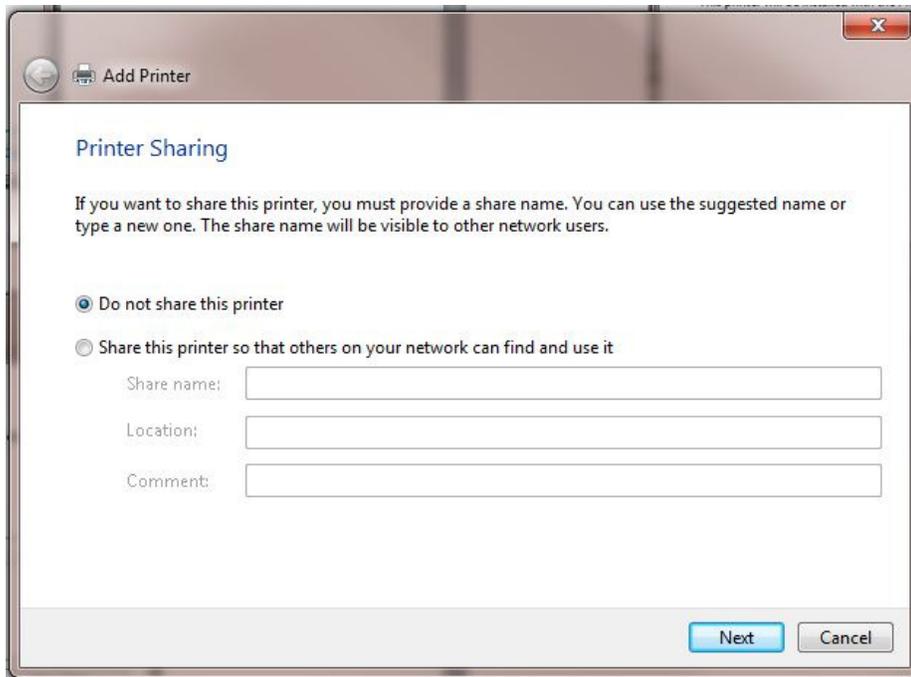


Fig. 2.1.14

Warrior will not print through a shared printer (Warrior does print through network printers) so select the Do not share this printer option and then click [Next].

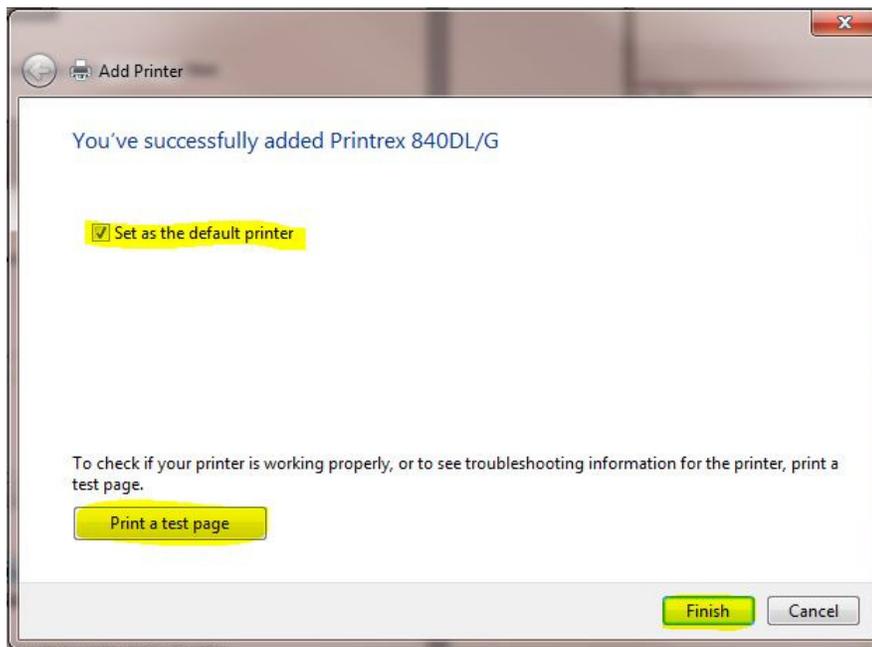


Fig. 2.1.15 Finish printer installation

If this is the only printer to be used on the computer, click the Set as the default printer check box. If no other printers are attached to the computer click the Set as Default printer selection.

## 2.2 Warrior Printer Installation

To begin the installation of Warrior printers go to the Warrior Control panel. Next, Click on the “Plot” tab. In the Plotting section on the left side of the Control Panel, click the [Printer Setup] button.

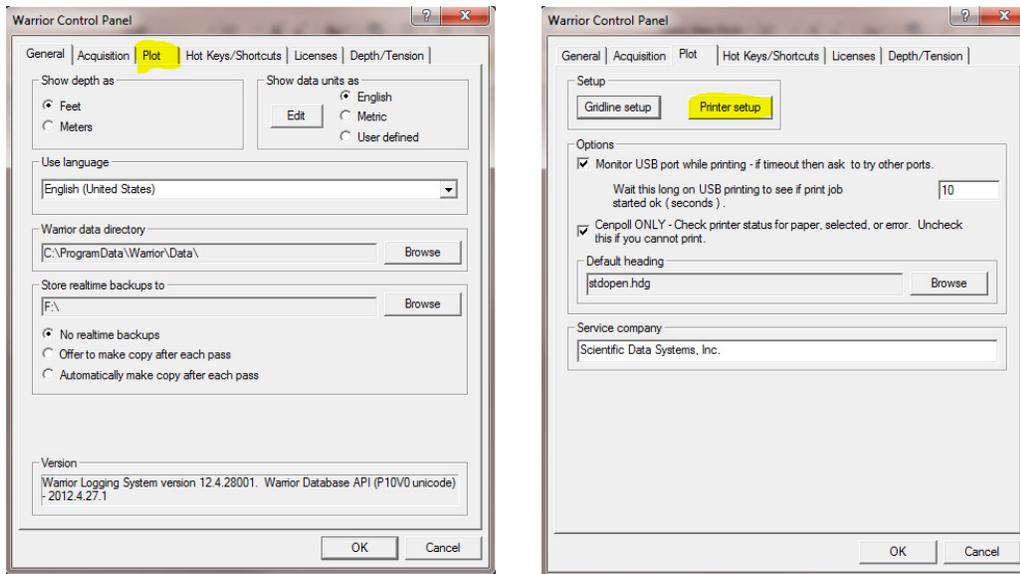


FIG: 2.2.1 Control Panel Printer Setup

To install a printer to be used while logging, click the [Install] button on the lower portion of the left side of the window.

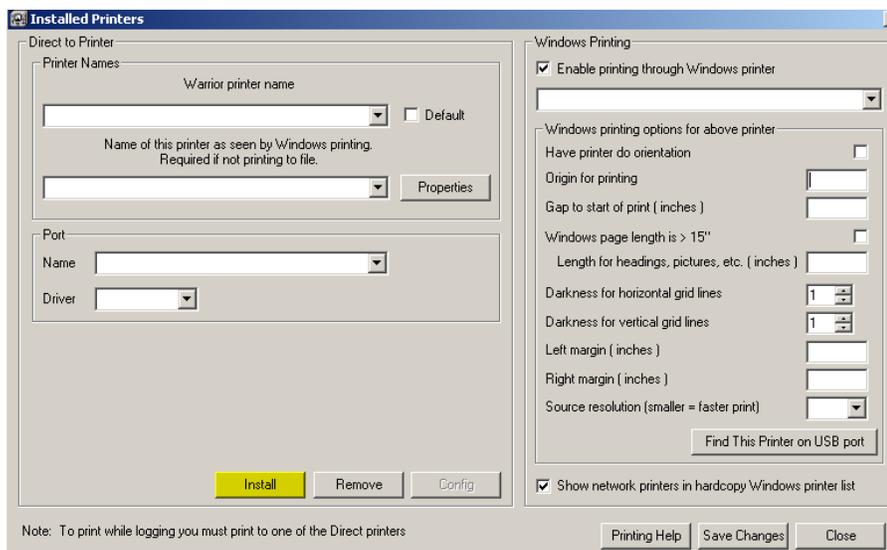


FIG: 2.2.2 Installed Printers

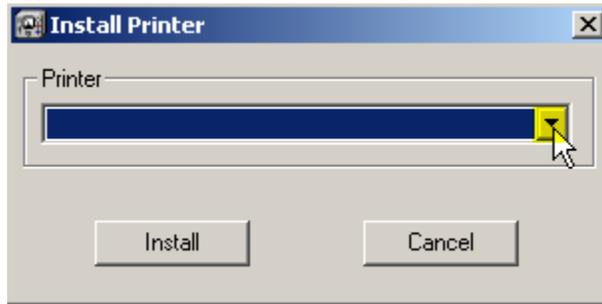


FIG: 2.2.3 Install Printer

Open the Drop-down list and scroll down until the appropriate printer is found. Be sure to select the correct model as some of the models have similar names.

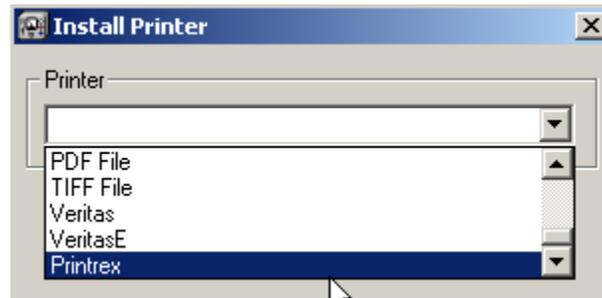


FIG: 2.2.4 Install Printer – Printer selection

In this instance, Printrex has been selected to install the Printrex 840 DL/G Printer. Click the [Install] button to continue



FIG: 2.2.5 Install Printer

The different plotters will have configuration settings that should be entered now. Normally the defaults will be an acceptable place to start. For fan fold printing, set the printer page size (Height) to twice the size of one fan fold page. Select [Save] to continue

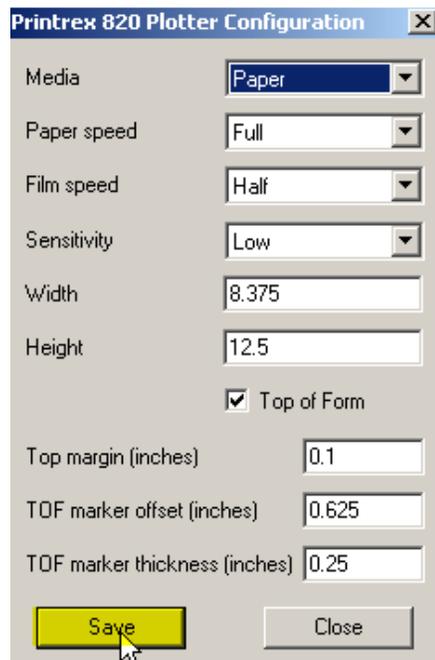


FIG: 2.2.6 Printrex 820/840 Plotter Configuration

In the drop down list for the Name of this printer as seen by Windows printing, select the appropriate Windows printer.

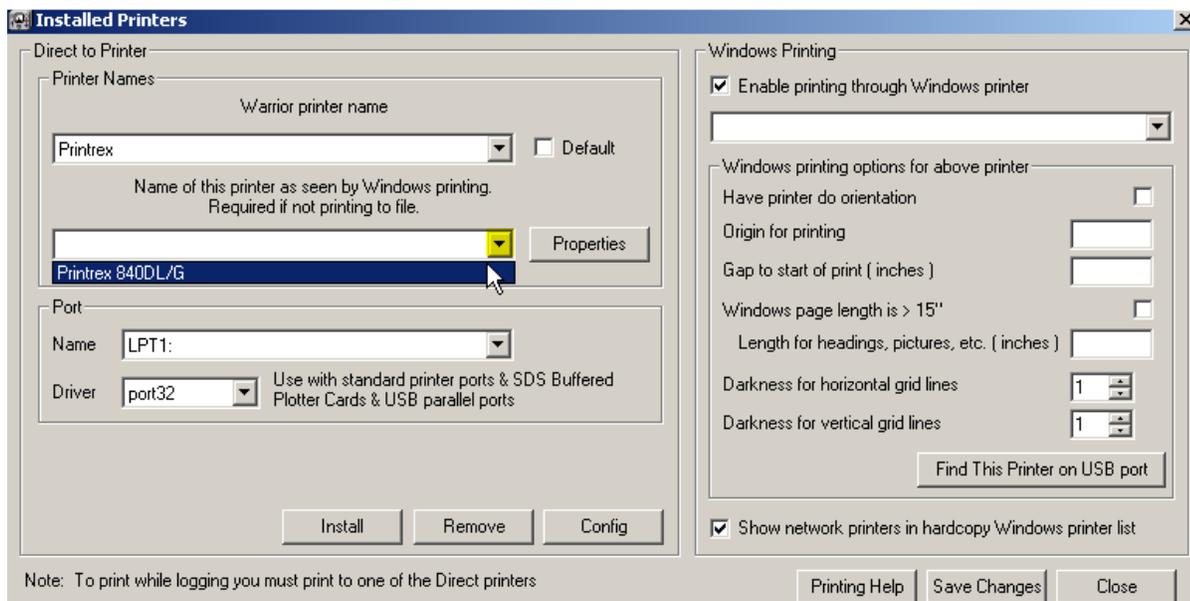


FIG: 2.2.7 Installed Printers

The Port Name should automatically be filled with the proper port and the driver will normally be Port32. Click the Default check box to the right of the Warrior printer name to have this be the default Warrior printer. Click on [Save Changes] in the lower right of the window to save the printer setup.

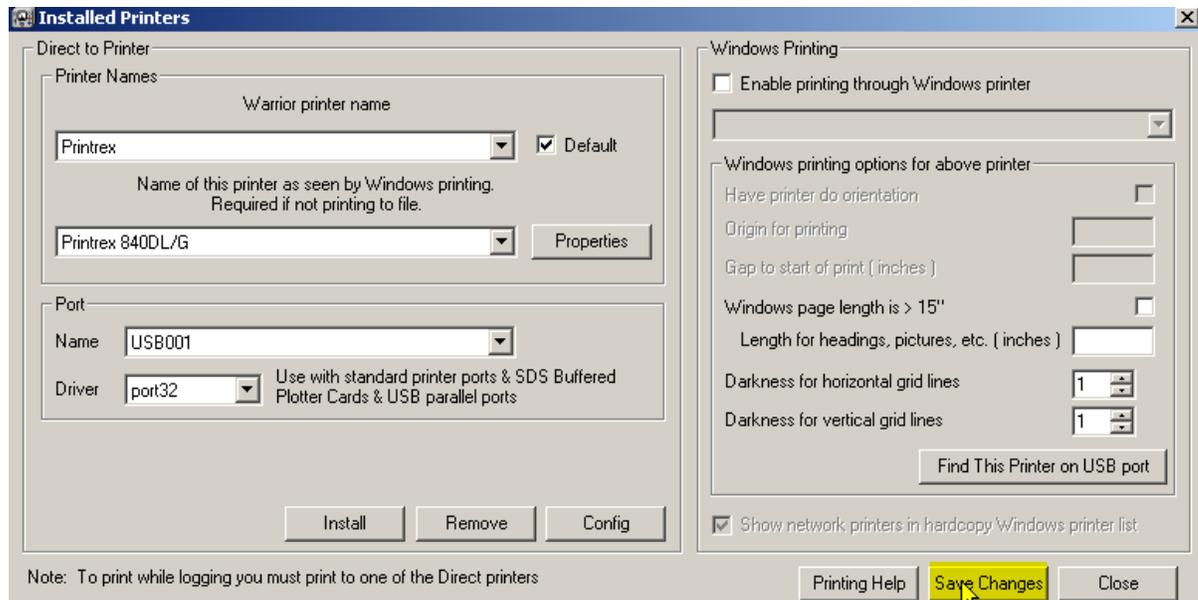


FIG: 2.2.8 Installed Printers

There are two different methods that Warrior uses to print. If you want a hardcopy of your log while you are logging, then you must print to a Direct printer. For good quality color prints, or to print to a printer that is not in the list of Direct printers, select the option Enable printing through Windows printer. When this box is checked, either a (Direct) or (Windows) label for each available printer is shown when printing from Warrior.

If you click on the [Printing Help] button, there is additional information about color printers. If you click on the Supported Window Printers, there will be a list of printers.

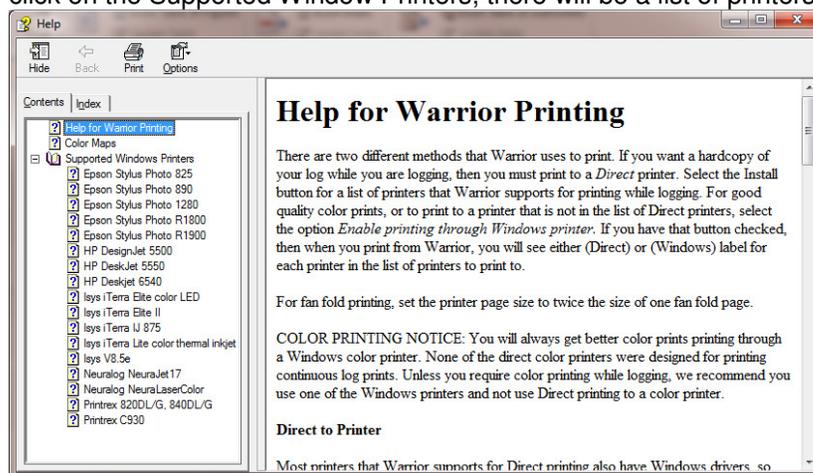


Fig. 2.2.9

By clicking on a printer in the list, you can see the recommended setting for that printer.

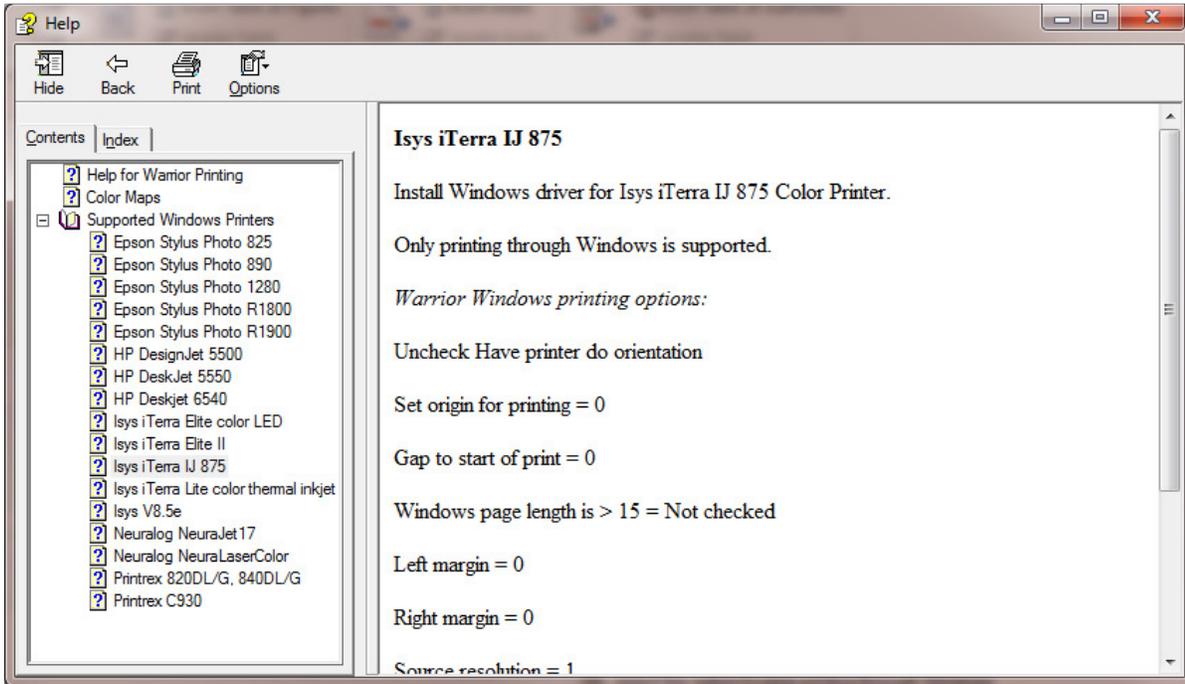


Fig. 2.2.10

## 2.3 Printing to PDF and TIF

Warrior supports direct printing to PDF files through its own driver. To setup PDF and TIF printers go to the Warrior Control Panel and select [Printer Setup]. Click on the [Install] button on the lower left of the window. Scroll down the list of printers until PDF File or TIFF File is found and select the appropriate item. Click on [Install] to continue and bring up the configuration window for that selection.

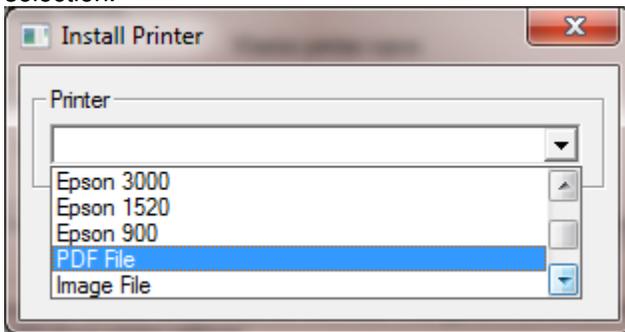


Fig. 2.3.1 Install PDF file printing

### 2.3.1 Printing to PDF

Before creating a PDF output, determine what the customer intends to do with the file and configure the PDF options accordingly. If it is intended only to view the PDF on the screen, then the PDF configuration should be set to Continuous Viewable Image and Color. If the customer intends to print the PDF, then it should be set to Continuous Printable Image and Color or Monochrome, depending

on the printer being used. In addition, it may be important to set the page size to match the page size of the customer's printer; otherwise gaps between pages can appear. Furthermore, there is a trade off between file size and quality. The higher the dpi setting, the better the quality normally, but the file size is larger. Some experimentation may be required with the customer to produce optimal results. This is also true for the selected compression mode. For most situations, FLATE compression works well.

### 2.3.2 Printing to TIFF

Again, determine what the file is intended for and configure the driver accordingly. Note that the driver supports TIFF single continuous pages of longer than 90 inches. However, many TIFF applications (including Warrior fax) do not support this, so before increasing the maximum page length, be sure that the customer can read such files.