Section

3

3 Warrior Control Panel

The Control Panel sets certain global characteristics of the Warrior system. The Warrior Control Panel is started from its icon in the Warrior program group or via the Windows Start button.
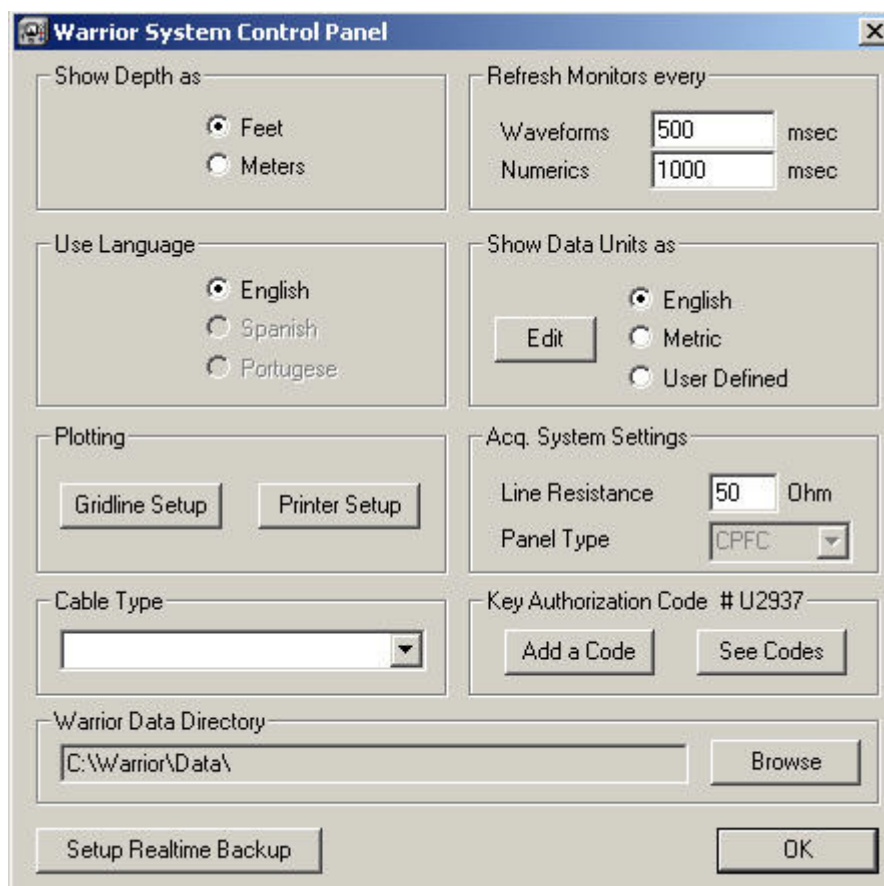

FIG: 3.1 Warrior Control Panel

3.1   Show Depth as

These option buttons in the upper left set the default depth units for the system.
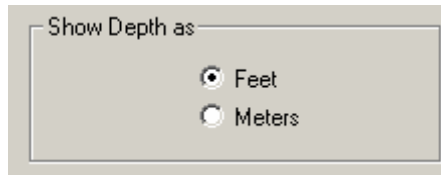The choices are Feet or Meters.

FIG: 3.2 Depth units

3.2   Use Language

These option buttons set the language of the user interface for the system. Several choices are expected to be available shortly.
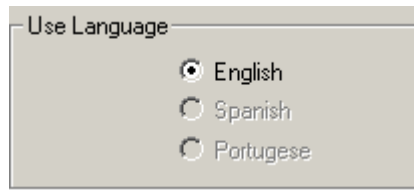

FIG: 3.3 Languages

3.3   Refresh Monitors every

These text boxes allow control over the rate of screen refresh for numerical and graphical data monitor displays (waveforms). Waveform is set to 500 msec. and numeric is set to 1000 msec. by default. The minimum value currently accepted is 100 msec. Updating at a high rate tends to make the monitors difficult to read and the 1000 msec. refresh rate is a good compromise.
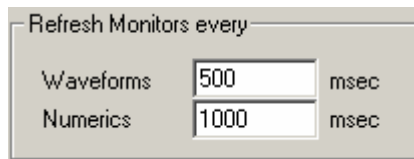

FIG: 3.4 Refresh Monitors every

3.4   Show Data Units as

These buttons allow selection of the default units system. The system allows three sets of data units, namely English, Metric and User Defined. The actual units for each selection may be edited by clicking the Edit command button making selections in the options box shown below.
The units for the various types of data and parameters may then be selected for a particular units map, accommodating occasions where a mix of English and Metric units may be required.
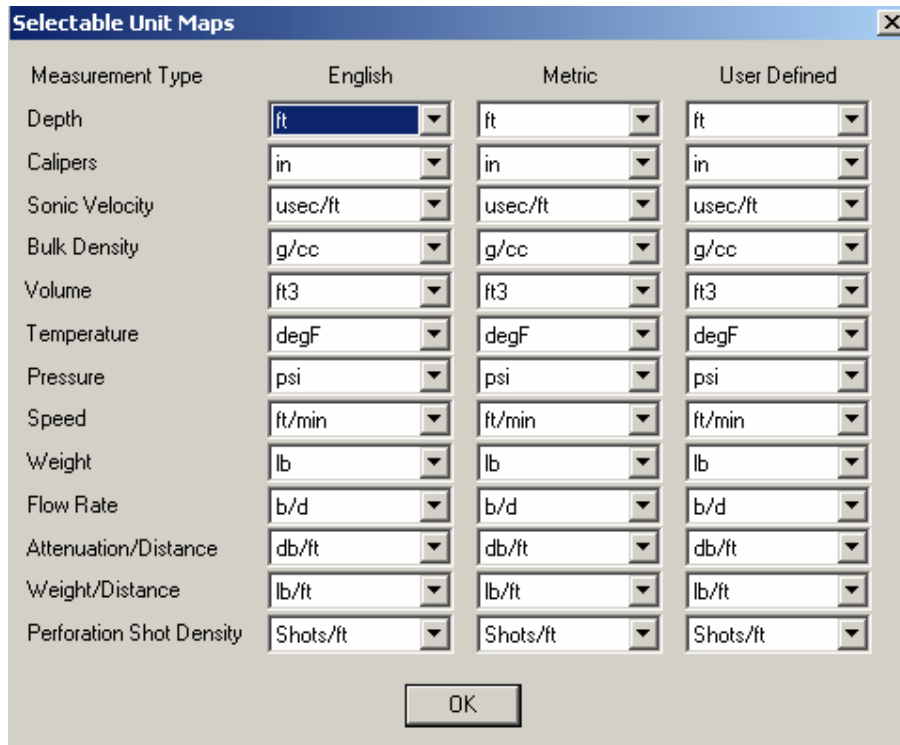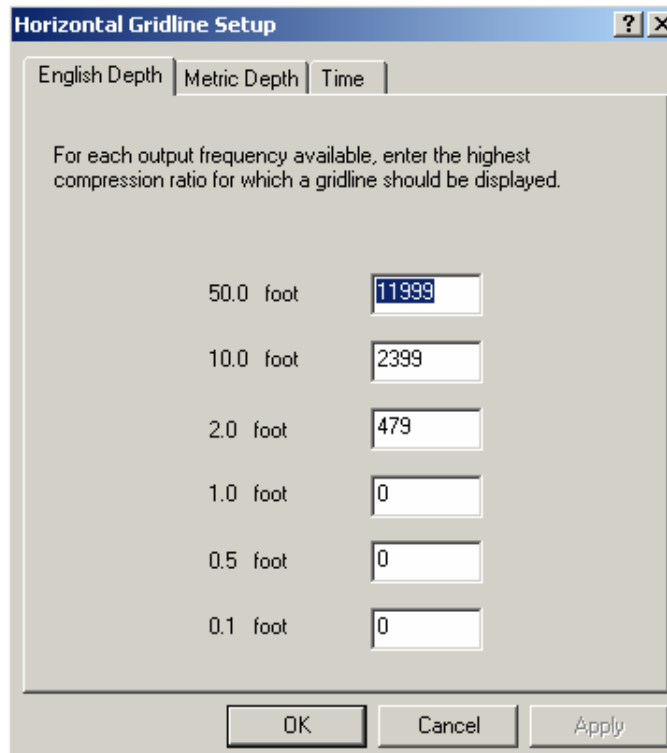
FIG: 3.5 Select Unit Maps

FIG: 3.6 Horizontal Gridline Setup

Set up compression ratios for gridlines.

3.5 New Authorization Code

This box is used for entering a sixteen digit Hex code for systems that have been installed with a software full time key. Some panels are release with Software time key it is valid for a specific duration of time (60 days). When the Key expires please Contact Scientific Data Systems for valid extension codes.
The second line we recommend type all the information about the Key number, Panel number, software version, and Unit number.
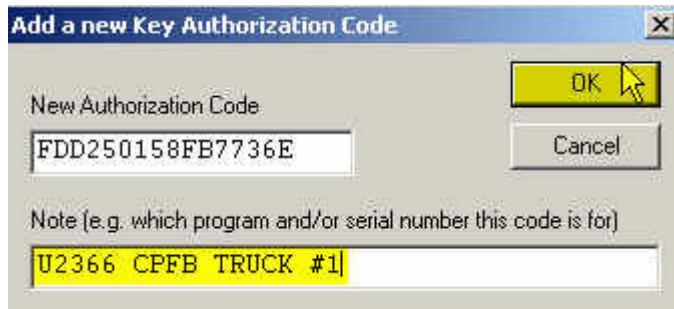

FIG: 3.7 Add a New Key Authorization Code
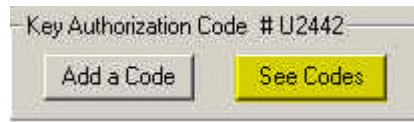
3.6 See Key Authorization Codes

FIG: 3.8 See Codes

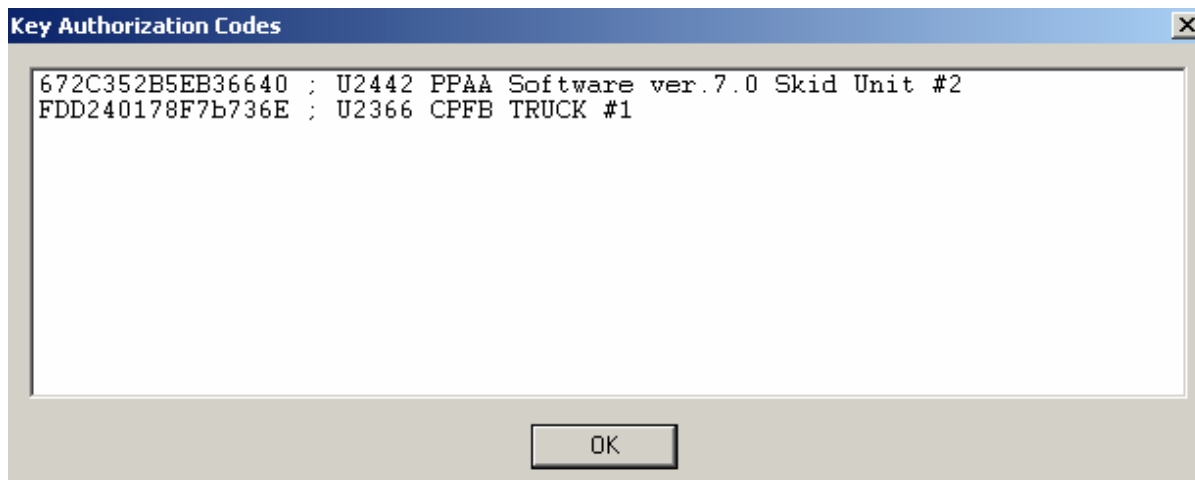Click on See Codes, you can see all the codes in your Warrior Software

FIG: 3.9 Key Authorization Codes

3.7   Printer Installation.

3.7.1   Windows XP 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.
Install the printer in windows XP first . The warrior software CD must be in the CD Device.
Plug in Belkin USB Printer Adapter cable into any available USB port.
Do not remove the Belkin USB printer from the chose USB port
Do not plug in the USB printer adapter to different USB port
Turn Printer On.

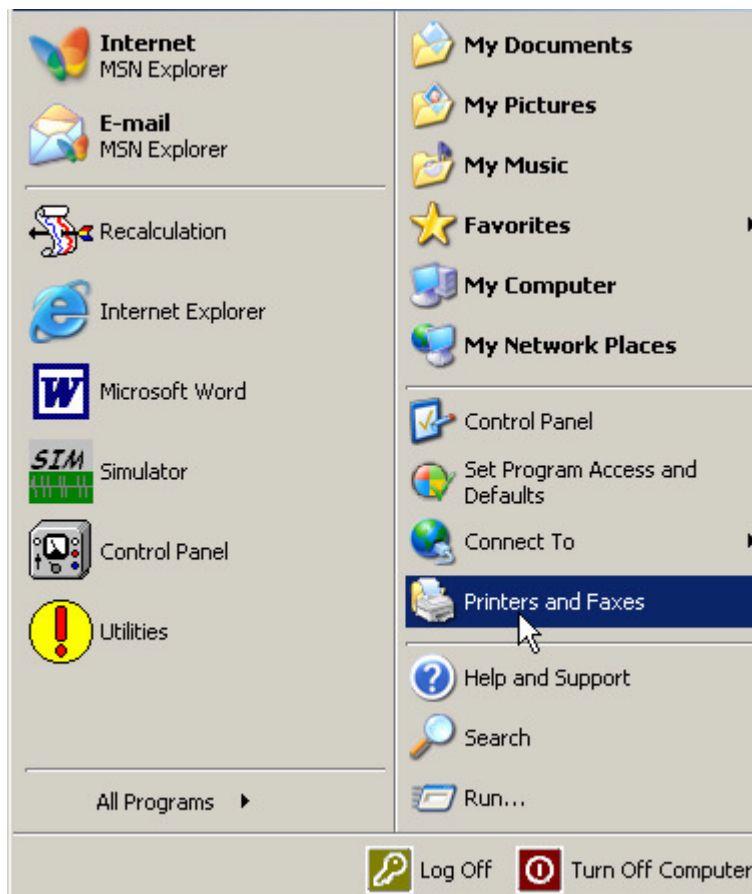Select setting/Printers and Faxes

FIG: 3.10 Windows XP Control Panel

Select Printers and Faxes

FIG: 3.11 Printers and Faxes Window

Add Printer

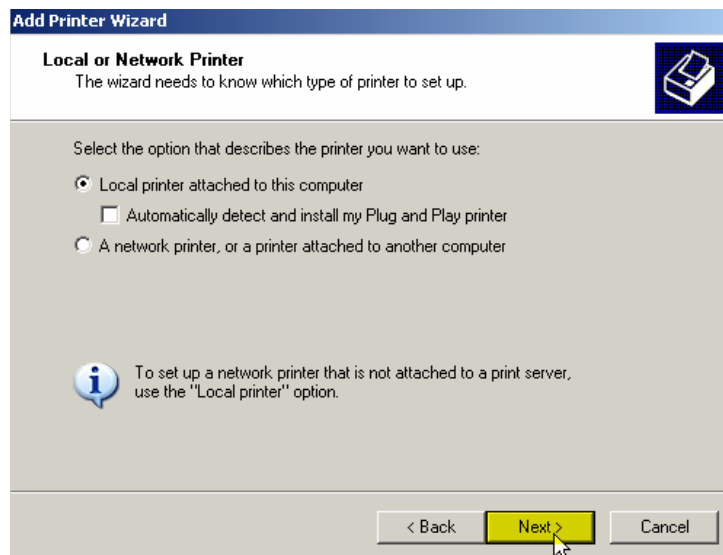
FIG: 3.12 Add Printer Wizard

Select Next

FIG: 3.13 Local Printer

Uncheck (Automatically detect and install my Plug and Play printer) and Select Local printer attached to this computer
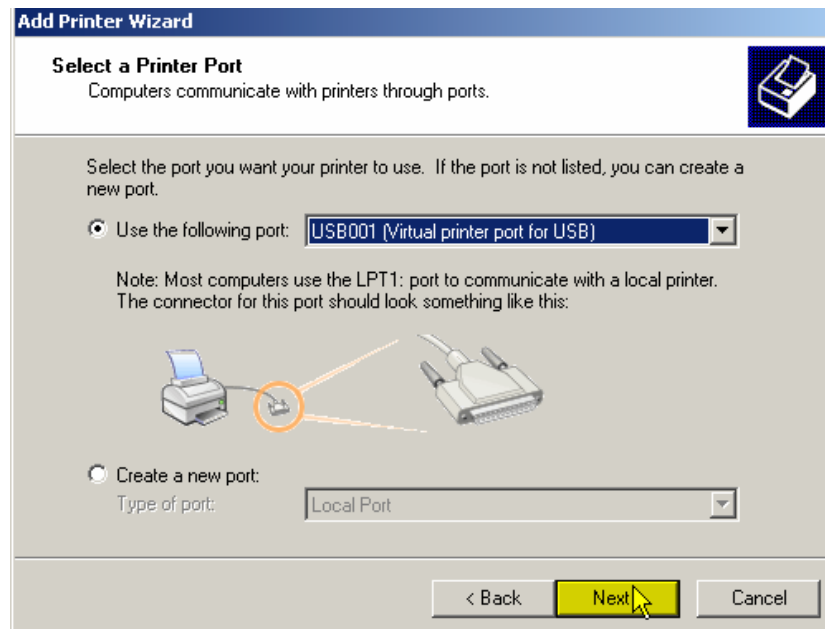Select Next

FIG: 3.14 Select a Printer Port

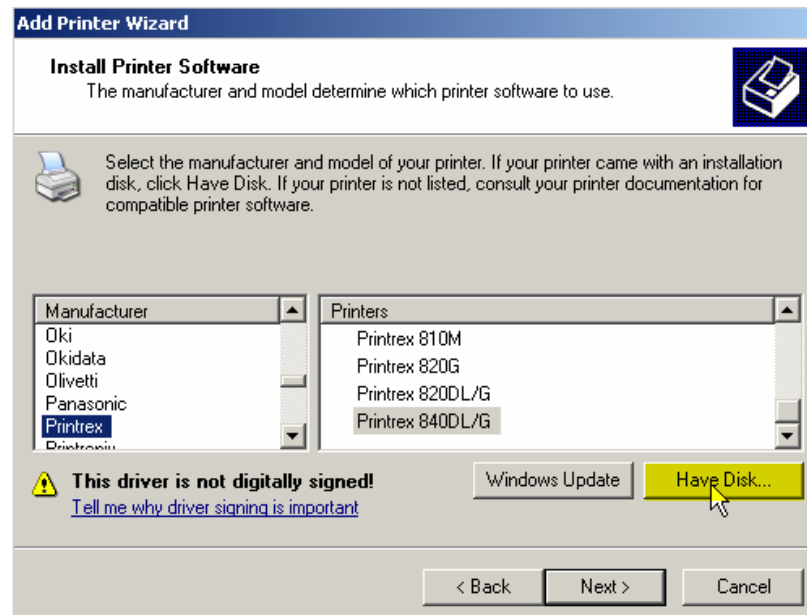Select USB Port USB0001 to start.

FIG: 3.15 Install Driver.

Select Manufacturer Printrex and Model Printrex 840DL/G the driver is in the CD select "Have Disk"
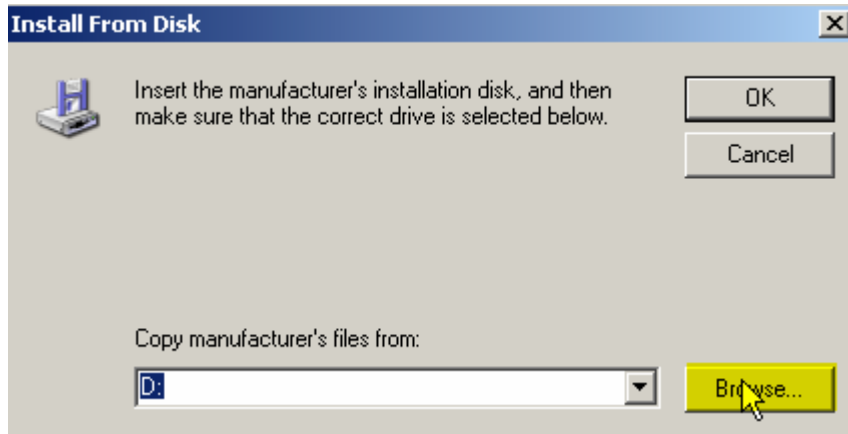
FIG: 3.16 Install from Disk

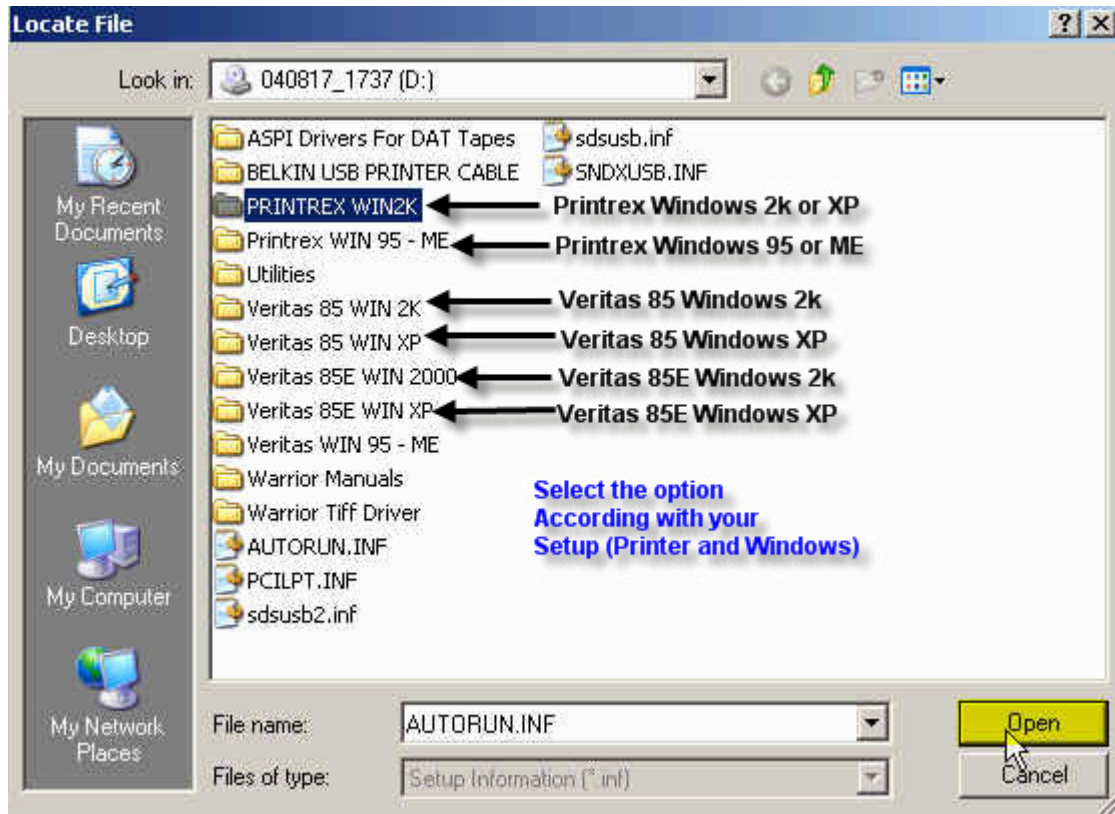Select the CD Driver in this case is D: and "Browse"

FIG: 3.17 Printrex Drives options.

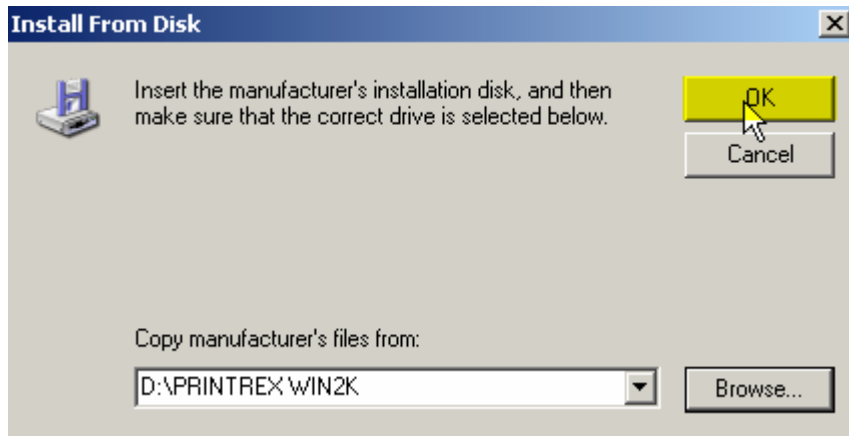Select the Driver PRINTREX WIN2K, this driver is to install in WIN2K and windows XP.

FIG: 3.18 Select the drive

Run the Drive

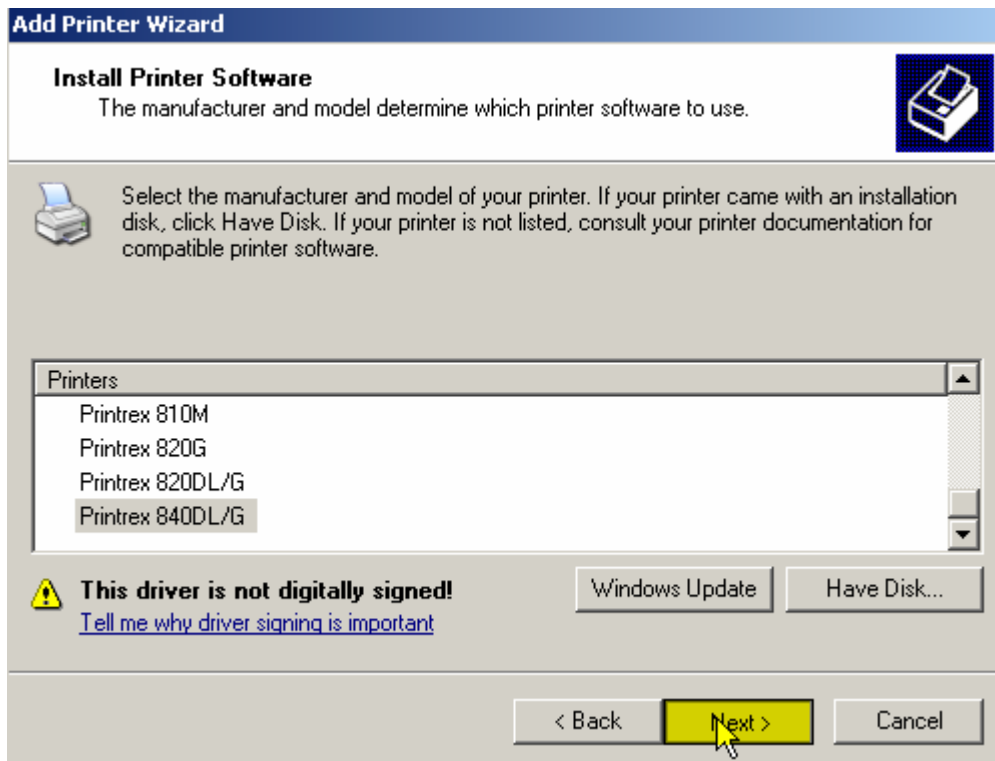FIG: 3.19 Install the Printer Drive

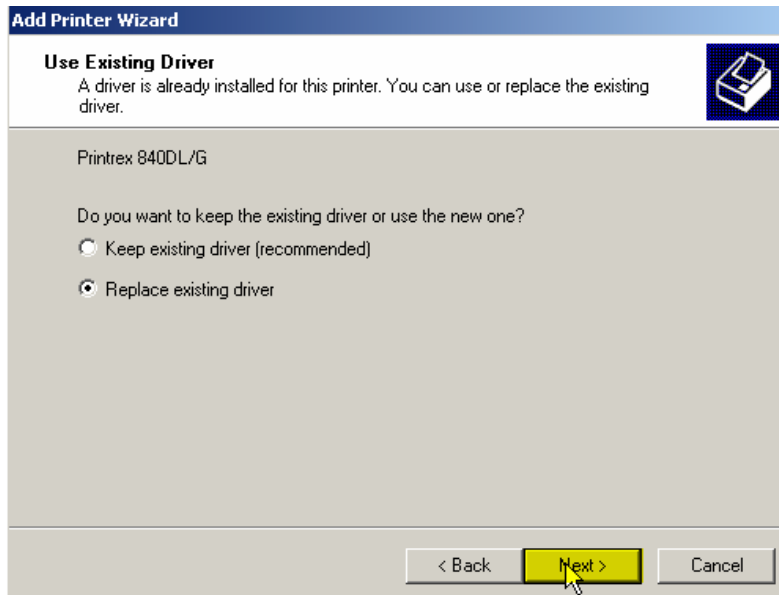Select 840DL/G or the model is connecting to the PC.

FIG: 3.20 Set the driver

Select replace existing driver
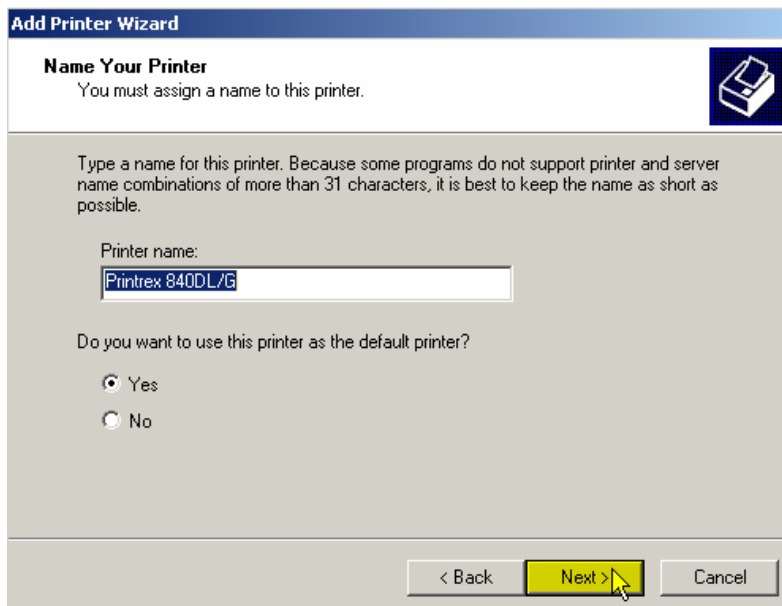
FIG: 3.21 Printer Name

Type the name or let the default Printer.
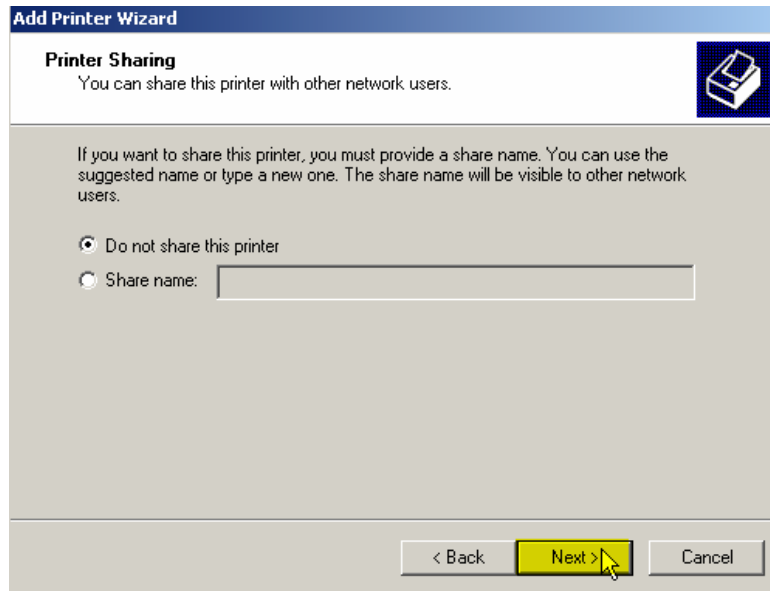
FIG: 3.22 Printer sharing

Select do not Share this printer

FIG: 3.23 Test Printout

Select Yes

FIG: 3.24 Continuing Installation.

FIG: 3.25 Completing the Add Printer

Select Finish.

FIG: 3.26 Test Page

The Printer Test Page must appear. At this point the Printer is installed in windows XP and then select OK.

FIG: 3.27 Printers and Faxes

Check if the Printrex 840DL/G is set as default

VIDEO: 3.1 Printer Windows installation

3.7.2   Warrior Printer Installation

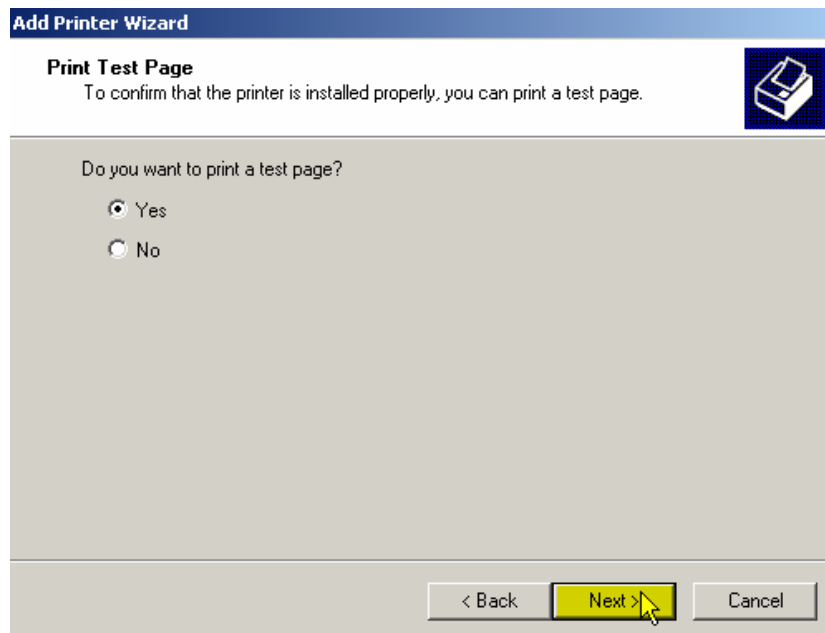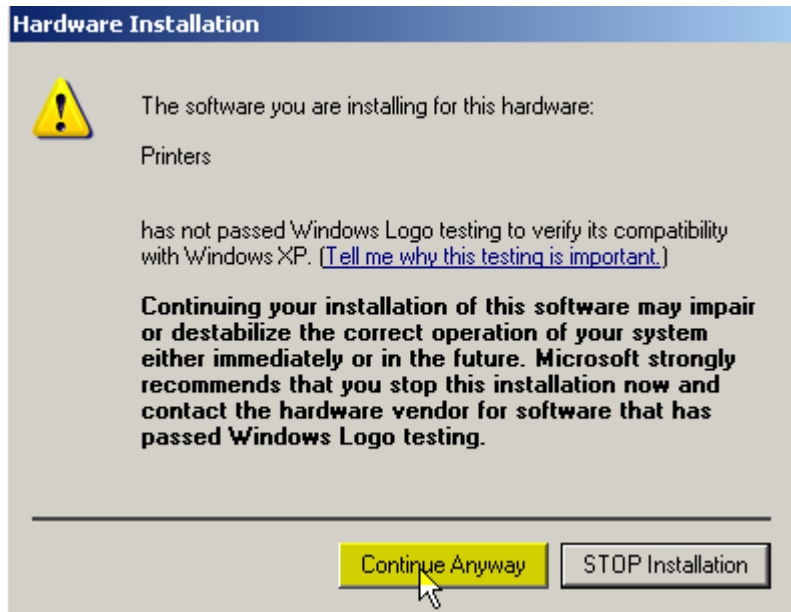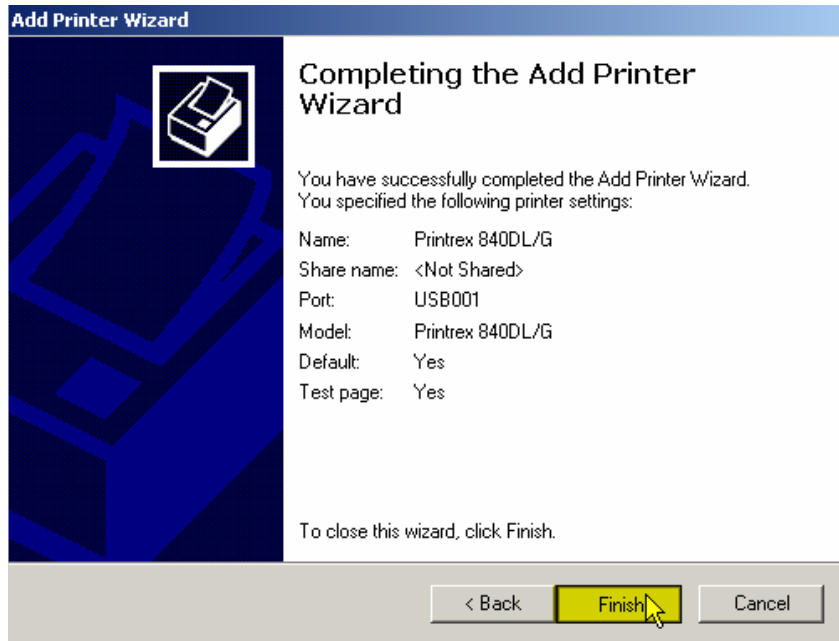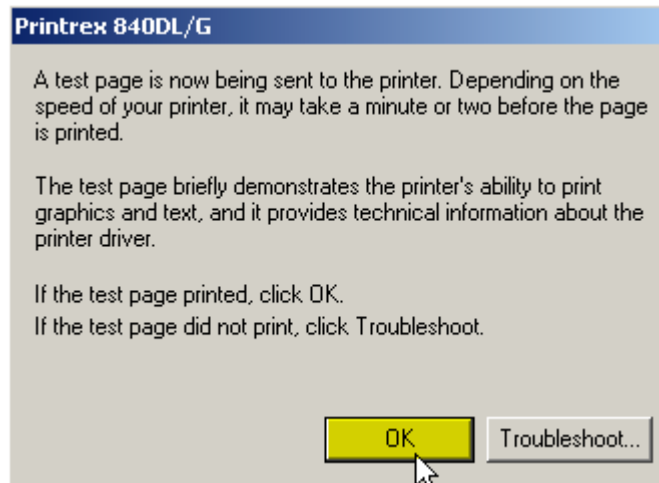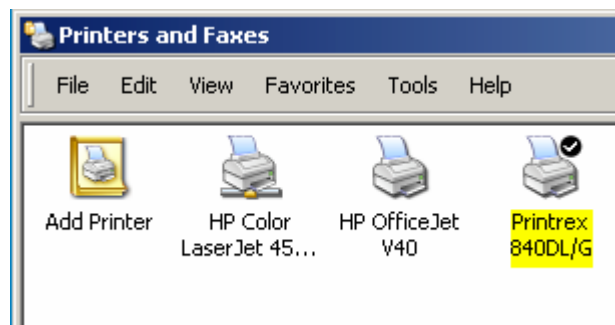There are two different methods that Warrior uses to print. If you want a hardcopy of your log while you are logging, then you must print to a Direct printer.   For good quality color prints, or to print to a printer that is not in the list of Direct printers, select the option Enable printing through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

Selecting **Help** will bring up useful information about the settings for various printers, supported by Warrior.

3.7.2.1 Direct to Printer

Most printers, supported for Direct printing by Warrior, also have Windows drivers, so when a Direct Printer is installed; the Windows driver should be installed as well if there is one. Select a printer name, as would be done during a printer selection in Windows programs. Warrior can use the port properties you set up for that printer through the standard Windows printer setup, so the port name doesn't have to be specified in two different places. When a Windows name is specified, then the Port Name doesn't need to be changed in Warrior, as it will use the same port that is set up through your standard Windows printer setup.

The Port Driver should be set to port32 for all printers except the Gulton 250 and 275, which use the cenpoll32 driver, as they don't have any corresponding Windows drivers. When using Direct printing, settings, such as media type, plot speed, etc., are all controlled by Warrior directly, not by the Windows printer driver.

Recommended printers for color printing Direct:

Epson Stylus Color 900
Epson Stylus Color 1520
Epson Stylus Color 3000
Epson Stylus Color C60, C80, C82, C84
HP DesignJet 750C, 1050C

Recommended printers for monochrome printing Direct:
Printrex 840 DL/G (www.printrex.com)
ISys V8.5e (www.isys-group.com)

3.7.2.2 Printing through Windows Printing

Whilst logging, it is possible to print to a Windows printer. However, printing hardcopy of your log is not possible. SDS cannot guarantee that all printers will work properly for making prints from Warrior, therefore a list of tested printers, that are able to make continuous prints, is available. The Windows printing options are settings that may change from one printer to the next. However, most of the settings are set by SDS, so they should not be changed. Some printers place a large gap at the start of a print, so a print gap is added during start of print, so the first fan fold can be skipped and a distance can be added to get the <fold here> to come out in the right place.

When using Windows printing, settings, such as media type, plot speed, etc., are all controlled by the Windows printer driver.

Recommended printers for color printing through Windows:

Epson Stylus Photo 825
Epson Stylus Photo 890
Epson Stylus Photo 1280
HP designjet 5500
HP deskjet 5550
HP deskjet 6540
Isys Iterra Elite color LED *
Isys Iterra Lite color thermal inkjet *

Recommended printers for monochrome printing through Windows:
Printrex 820DL/G, 840DL/G
ISys V8.5e

(* Denotes printer can do multiple copies)

FIG: 3.28 Control Panel Printer Setup
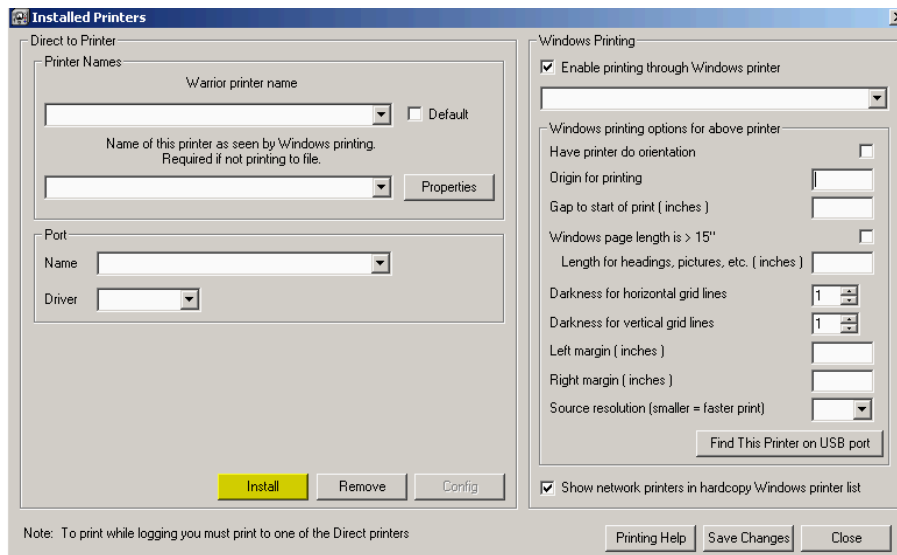
Select Printer Setup

FIG: 3.29 Installed Printers

Some of the Windows printers may require a value to be entered for the "Gap to start of print". Having a non-zero value will cause the printer to advance the paper that distance, so the first fan fold page may be blank in order to position the print head to the proper place.

Select the **Install** button for a list of printers, supported by Warrior,
for printing whilst logging. When this box is checked, either a (Direct) or (Windows) label for each available printer is shown when printing from Warrior. For fan fold printing, set the printer page size to twice the size of one fan fold page.
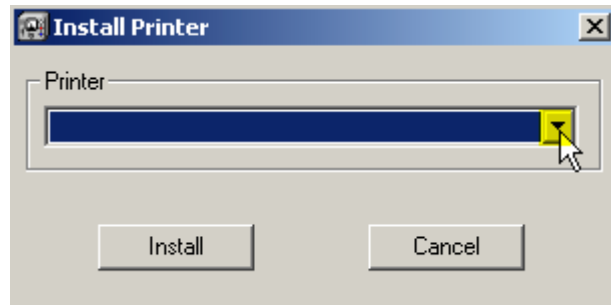
FIG: 3.30 Install Printer
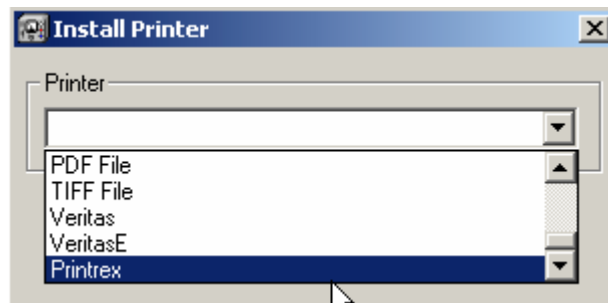
Open the Drop- down box
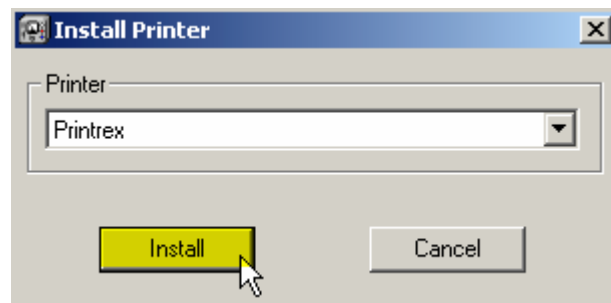
FIG: 3.31 Install Printer

Select Printrex

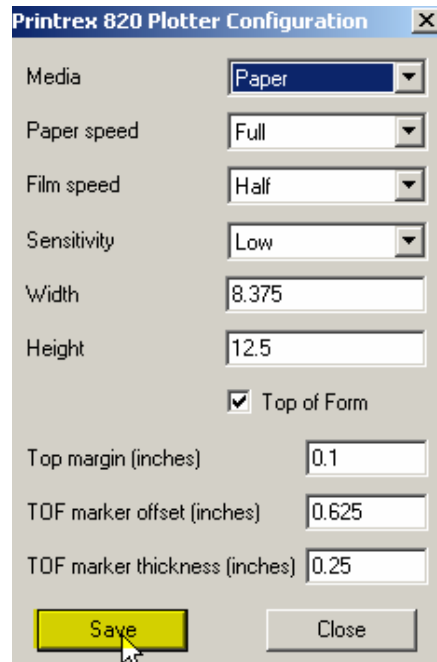FIG: 3.32 Install Printer

Click over Install

FIG: 3.33 Printrex 820/840 Plotter Configuration

For fan fold printing, set the printer page size to twice the size of one fan fold page
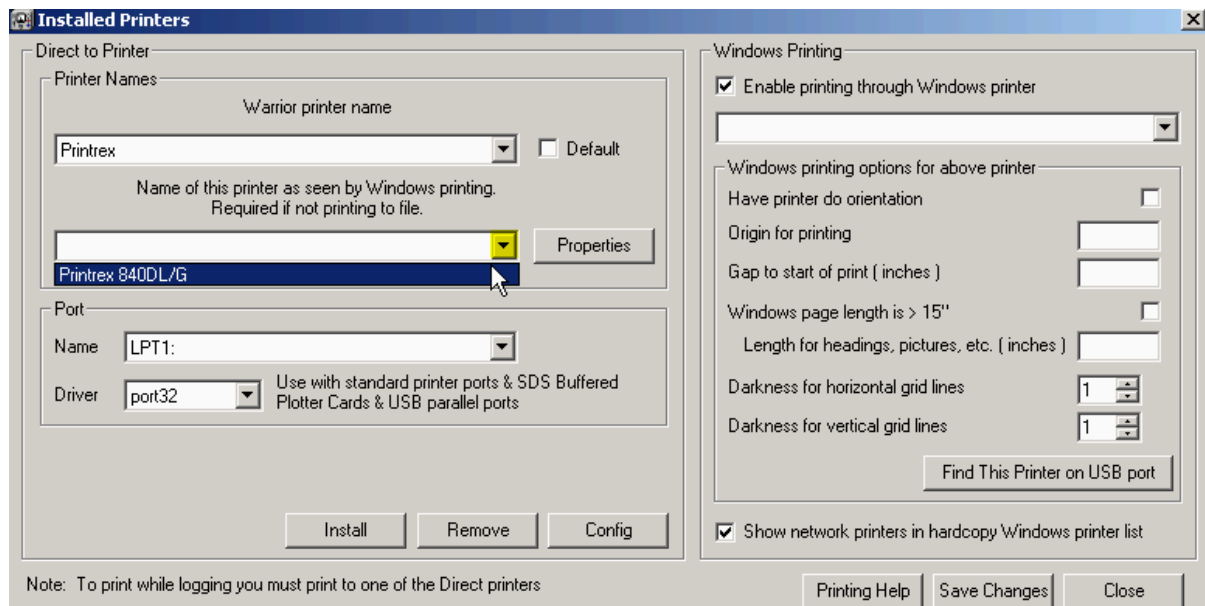
Select Save

FIG: 3.34 Installed Printers

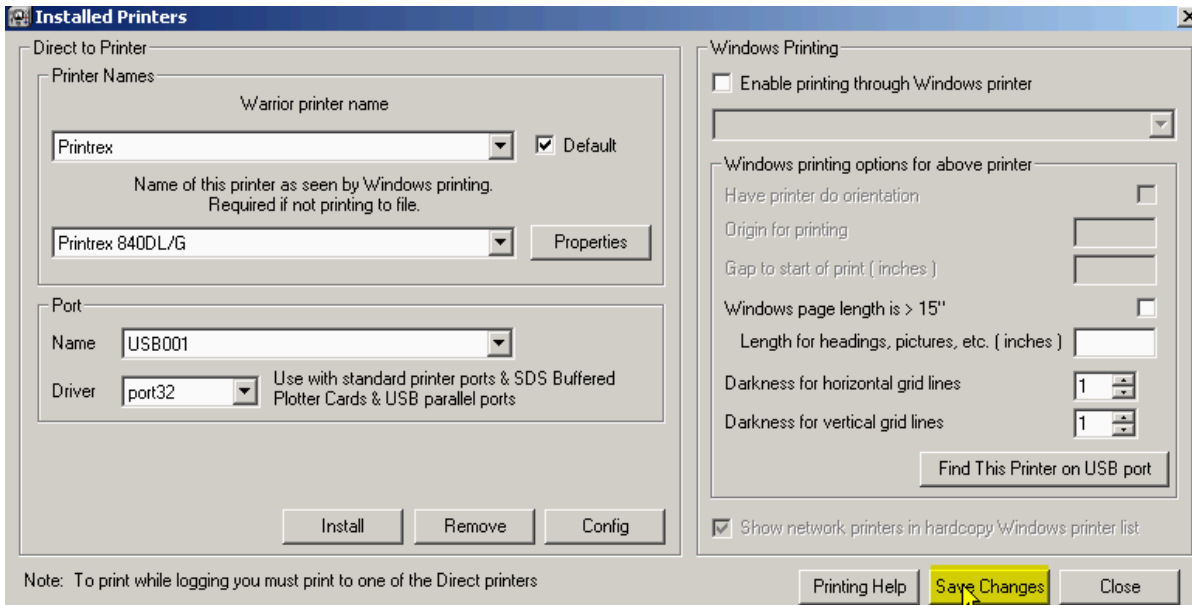Select on the Drop-down the Printer Model Printrex 840DL/G

FIG: 3.35 Installed Printers

Select Save Changes

VIDEO: 3.2 Warrior Printrex Install

3.7.2.3 New Printers List

Printing help and Printers32.ini contain details of printers tested with Warrior. However, printers are constantly changing, so check the following link http://www.warriorsystem.com/Support_Printers_List.htm

COLOR PRINTING NOTICE: You will always get better color prints printing through a Windows color printer. None of the direct color printers were designed for printing continuous log prints. Unless you require color printing while logging, we recommend you use one of the Windows printers and not use Direct printing to a color printer.

Source Resolution: If it takes a long time to print to your Windows printer, try setting this to a lower value. The default is 1. A lower value may degrade the print quality, so test with your printer to find the optimal setting. You may be able to use a higher Windows printer resolution (600 or 720 dpi) and use a Source Resolution of 1/2 or 1/3 and still get a quality print.

3.7.3 Finding Printer

We recommend connect the Printer/Plotter in the same USB port but if you do not know which port is , you can find the USB port where the printer is connected .
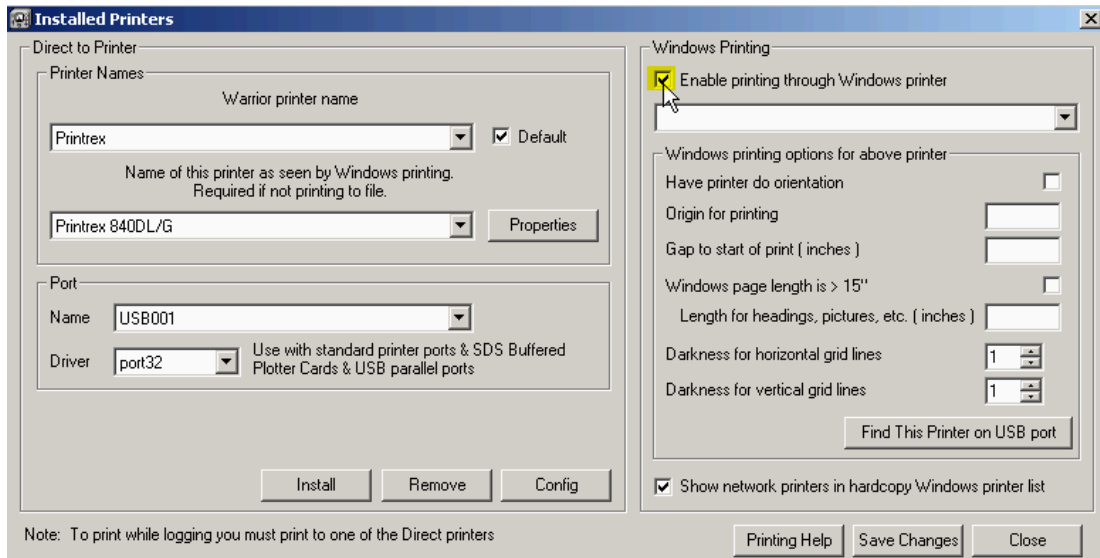

FIG: 3.36 Installed Printers

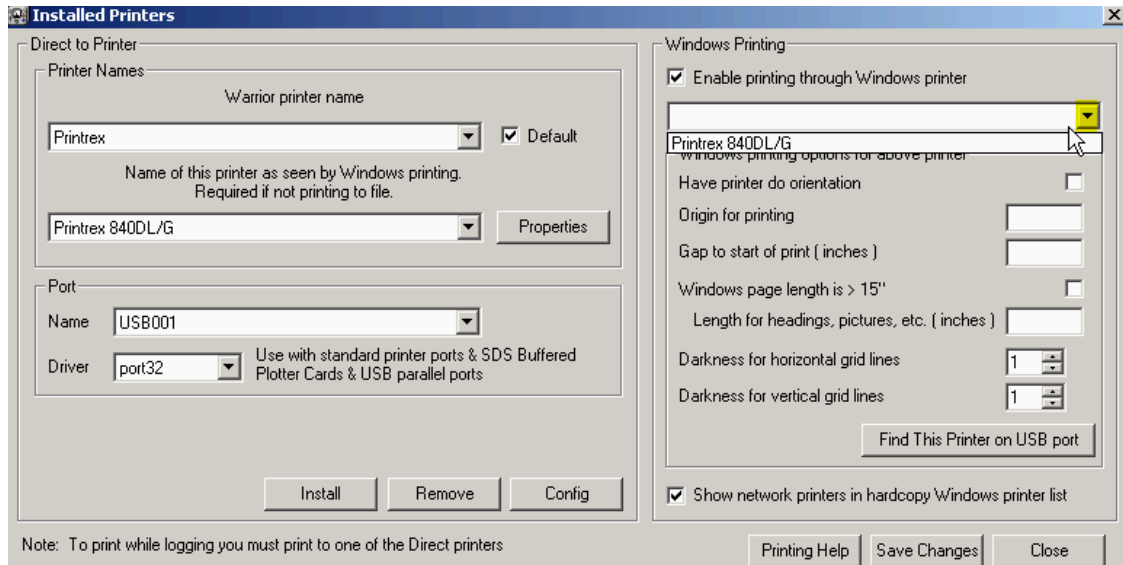Check Enable printing through windows printer.

FIG: 3.37 Installed Printers

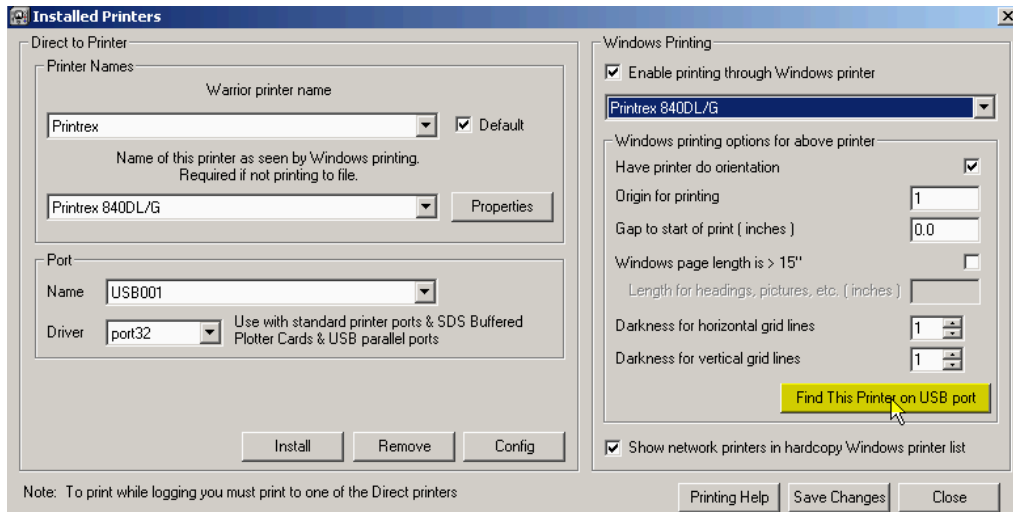Select on the Drop-down the Printer Model Printrex 840DL/G

FIG: 3.38 Installed Printers
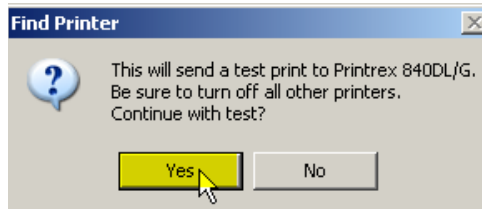
Select find this Printer on USB port.
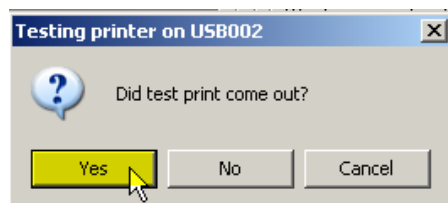

FIG: 3.39 Find Printer

Select Yes

FIG: 3.40 Testing Printer

If the test print comet out select Yes It means the printer is connect to USB002

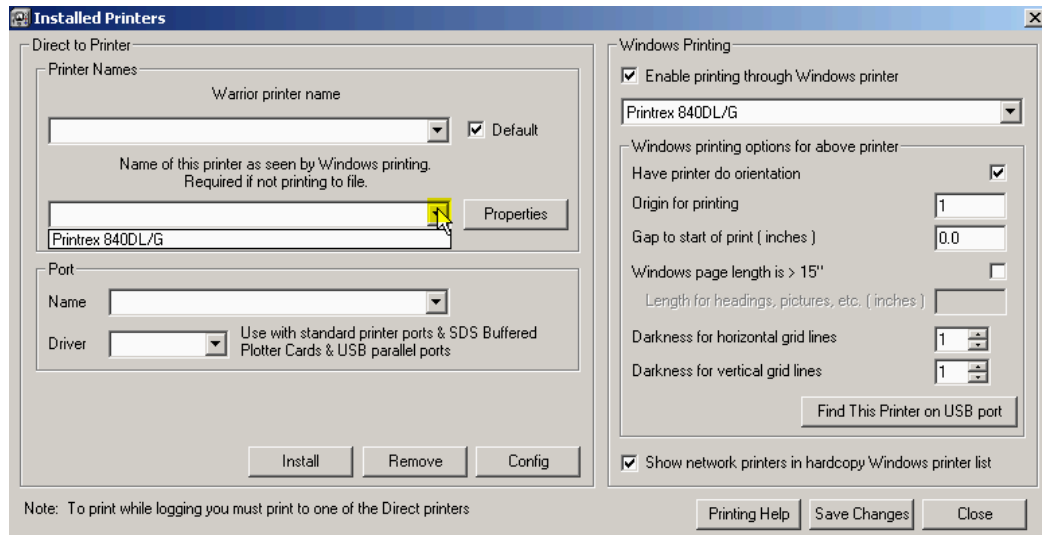FIG: 3.41 Printer Found

Select OK

FIG: 3.42 Installed Printers

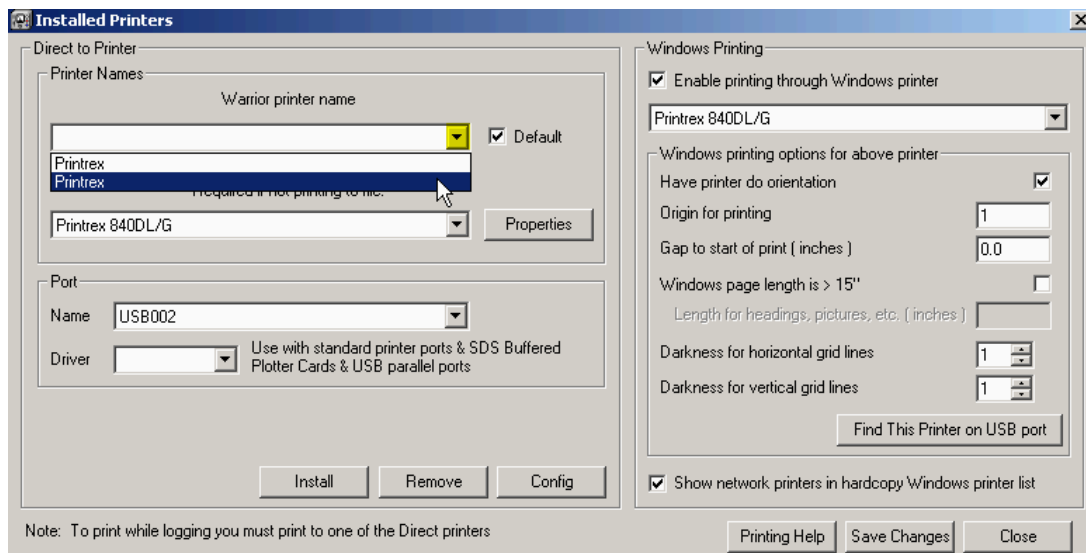Select on the Drop-down the Printer Model Printrex 840DL/G

FIG: 3.43 Installed Printers
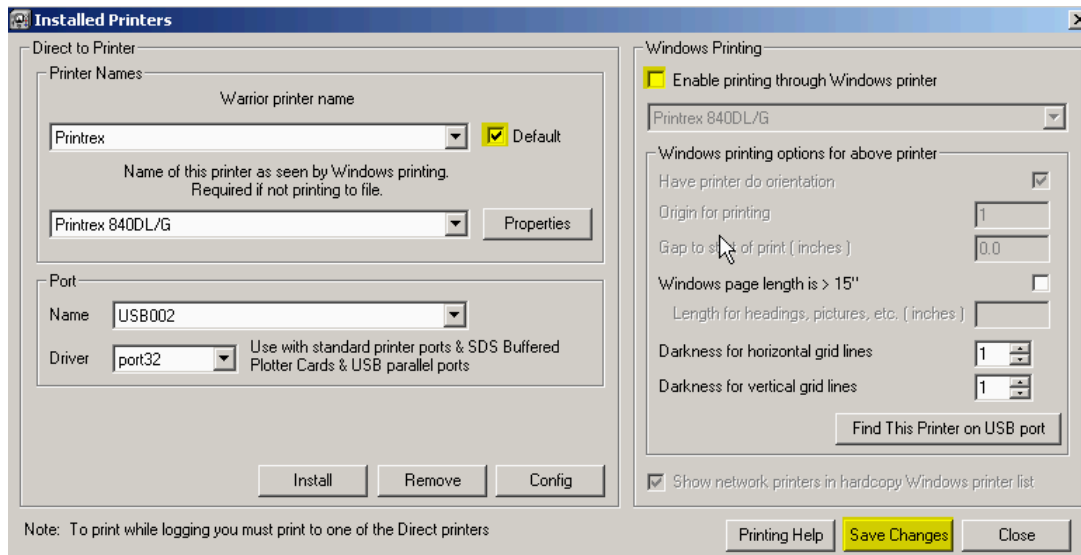
Select on the Drop-down Printrex

FIG: 3.44 Installed Printers

Uncheck Enable printing through Windows printer and select Save Changes

VIDEO: 3.3 Find Printers

3.7.4 Printing to PDF

Warrior supports direct printing to PDF files through its own driver. 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 driver 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.

3.7.5 Printing to TIFF

Warrior also supports direct printing to TIFF files through its own driver. 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.

3.7.6 Cable Type

Select the cable type according with logging unit cable if the cable it is not available select the close one, if help to select the values to equalized the signal on the cable.
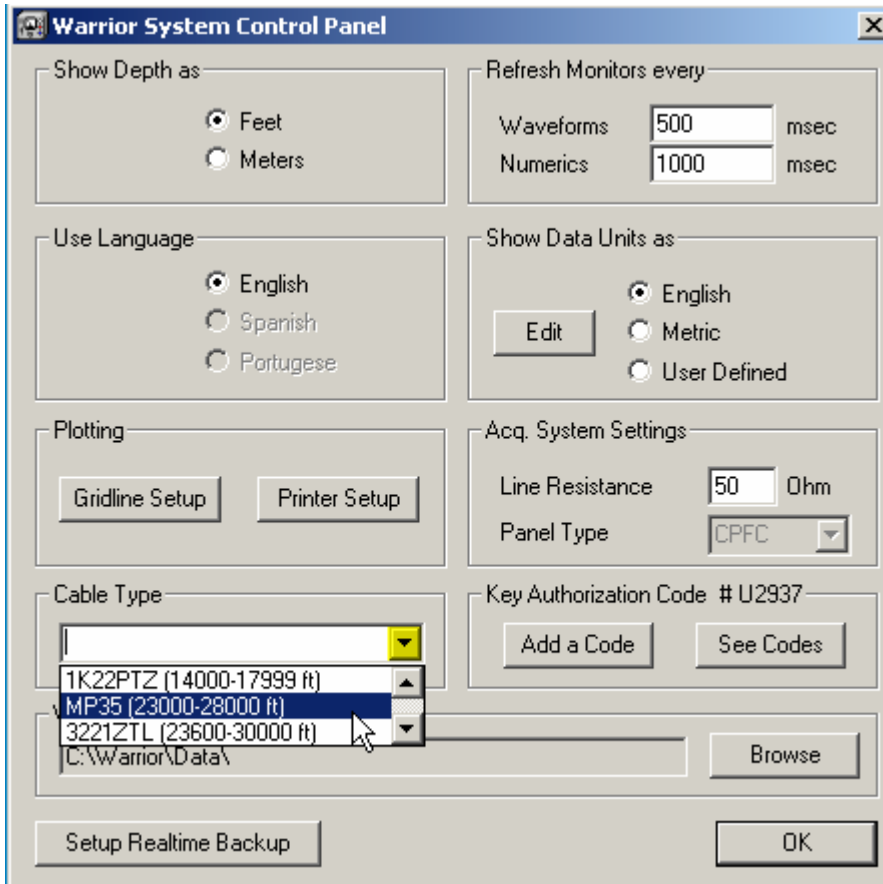
FIG: 3.45 Cable Type

3.7.7   Set Up Real Time Backup
The software has the options to storage the backup data in other directory or hard disk at the same time it storages the data in the Warrior\Data.

The software has three options:

3.7.7.1 No Real Time Backup
It just storage the data under Warrior directory or the path directory you select, this option is select by default.

3.7.7.2 Offer to Make Copy after each Pass.
At the end of each pass offer to make copy and storage in the Real Time Backup directory path you select.

3.7.7.3 Automatically make copy after each pass
Each pass will be automatically storage in the Real Time Backup directory path select by you.
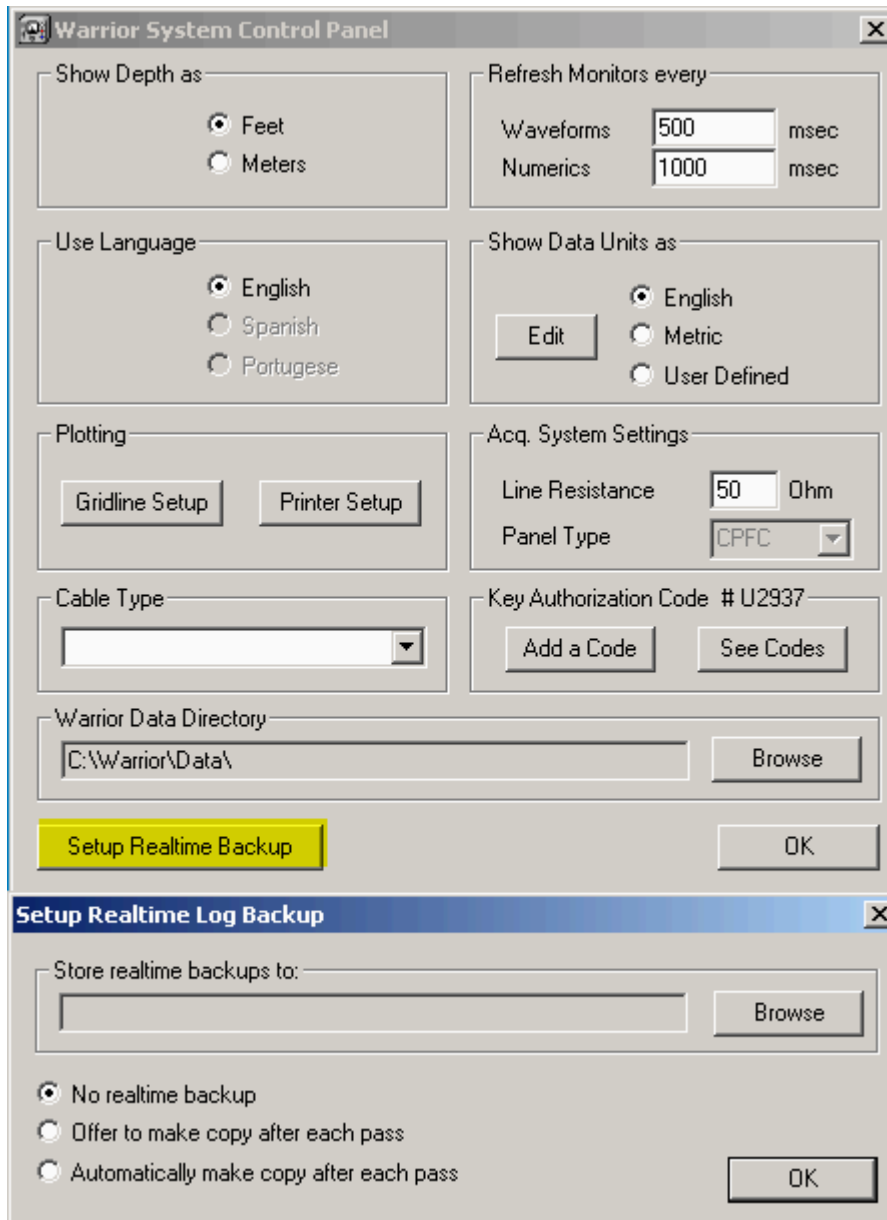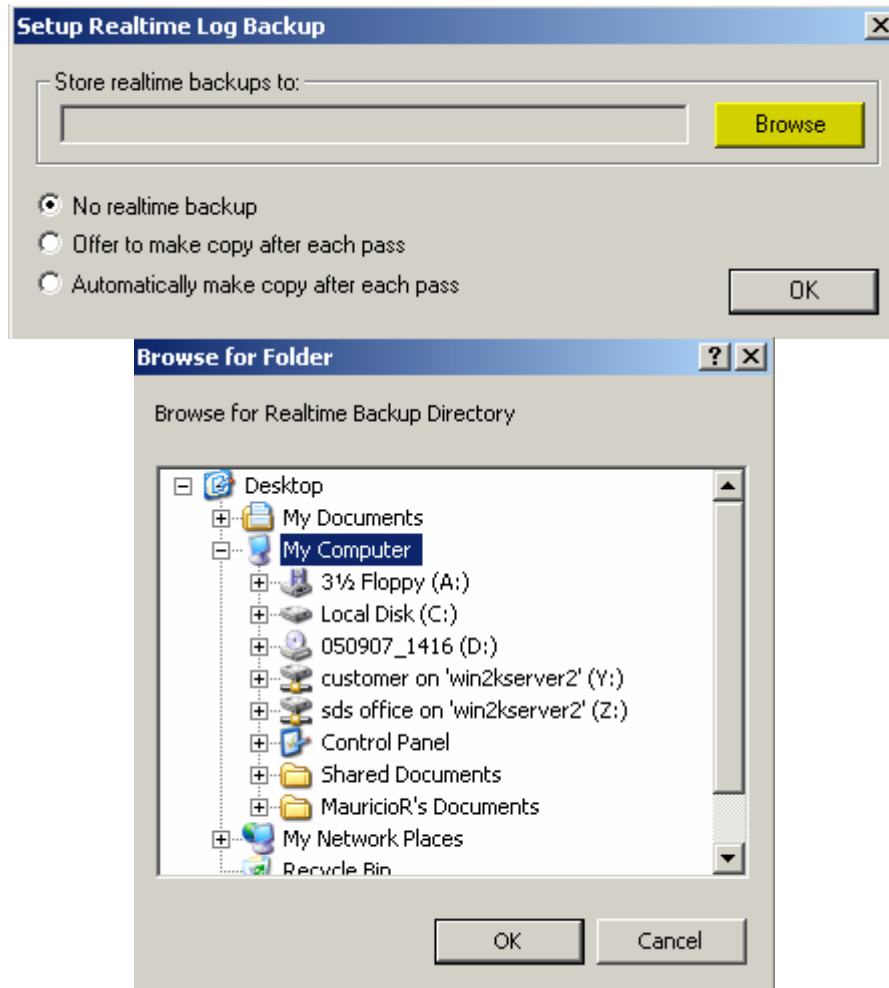
FIG: 3.46 Setup Real time Backup

FIG: 3.47 Set Real time Backup Directory