USB Drivers for the Model 3820 Universal Counter, Model 3830 Multiplexer, and FastFlight-2 Digital Signal Averager
Installation Instructions

Purpose

This document describes how to install the USB drivers that support the **SIGNAL RECOVERY** Model 3820 Universal Counter, Model 3830 Multiplexer, and FastFlight-2 Digital Signal Averager.

Background

SIGNAL RECOVERY now offers a digitally-signed USB driver SRUSB.SYS suitable for use with the Models 3820, 3830, and FastFligh-2. The driver is available in different versions for use on computers running Windows XP 32-bit, Vista 32 or 64-bit, and Windows 7 32 or 64-bit. It can be used instead of earlier drivers, SRUSBXP.SYS for the models 3820 and 3830, and ortecusb.sys for the FastFlight-2 that were not digitally signed and were only suitable for 32-bit operating systems.

Installation - General

Locate the files `SRUSBDriversV3.exe`, and double-click it, or on machines running Vista or Windows 7 right click and select Run as Administrator. The USB drivers will be unzipped to the folder **C:\Program Files\SIGNAL RECOVERY\USBDriversV3**

On 64-bit versions of Windows they will be placed in:
C:\Program Files (x86)\SIGNAL RECOVERY\USBDriversV3

The driver installation procedure differs slightly depending on the operating system you are using, so please follow the instructions in the relevant sections below. They assume that no USB driver for these instruments has already been installed, or that any driver that has been used has been properly uninstalled. Note also that you need to be using an account with administrator permissions in order to install driver software.

Installation - Windows 7

a) Take a USB 2.0 type A to type B cable, shown below in figure 1, and plug the A plug end into a free USB port on the computer and the B plug end into the connector on the model 3820, 3830, or FastFlight-2.
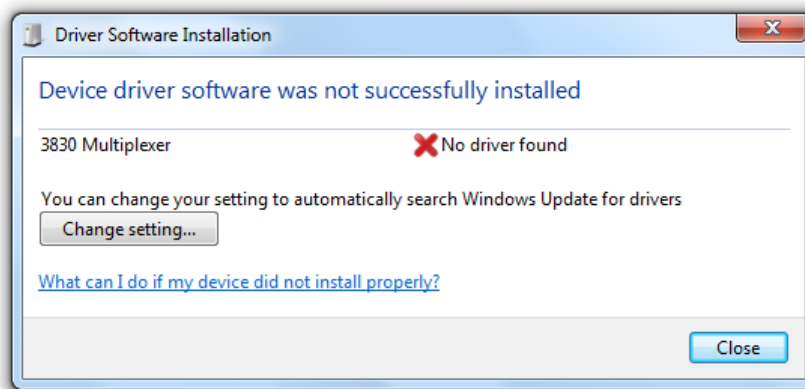
SIGNAL RECOVERY

Figure 1, USB 2.0 A to B Cable

b) The PC will attempt to install the driver software, as indicated by the message above the taskbar, shown in figure 2.
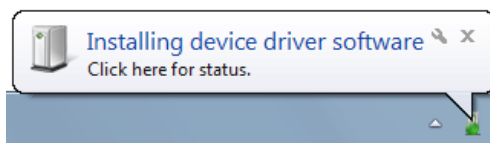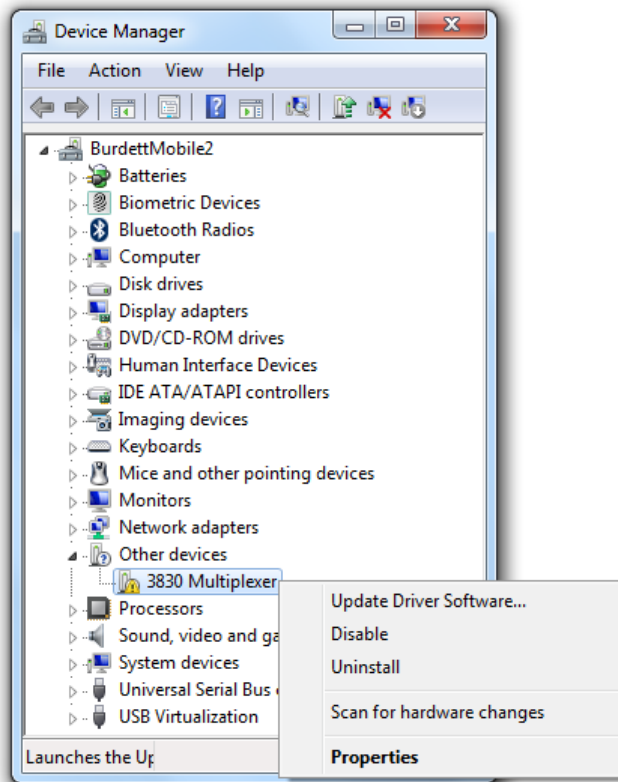

Figure 2, Taskbar Message

c) The driver will not be found. Clicking the message will then show the information dialog, as in figure 3 below.


Figure 3, Driver Software Installation Dialog

d) Close the dialog and then go to the Control Panel and Device Manager. The instrument you are trying to install will be shown with a yellow warning symbol, as in figure 4 below.

Figure 4, Device Manager Dialog

e) Right click over the instrument name and select Update Driver software, to show the Update Driver Software dialog, as in figure 5.
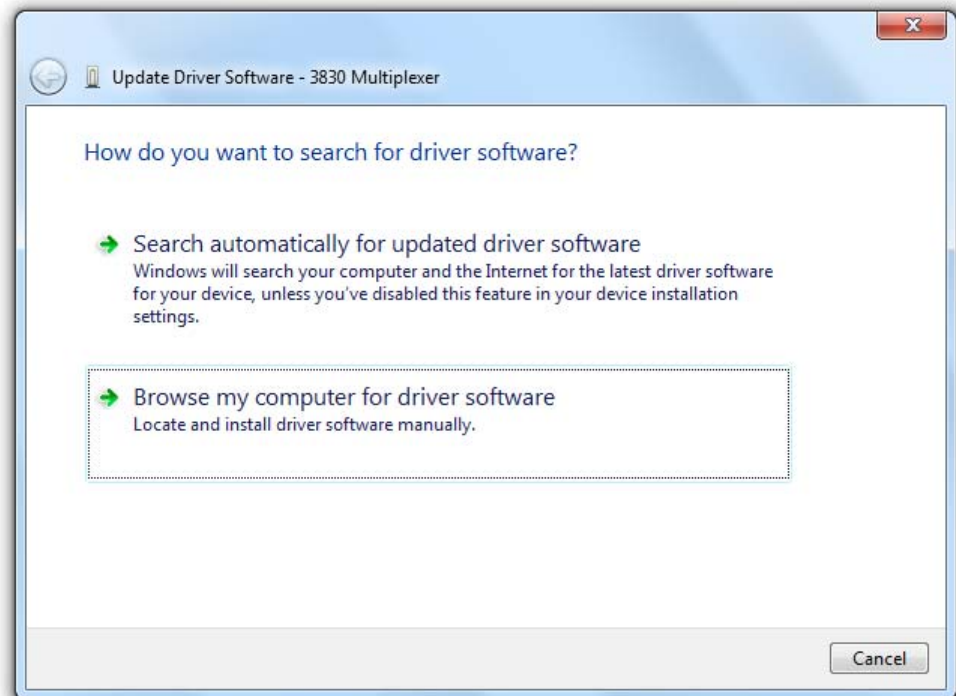
Figure 5, Update Driver Software Dialog

f) Select Browse my computer for driver software and then, in the next dialog,

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shown in figure 6, browse to or enter one of the following locations:

For Windows 7 32 bit systems:
C:\Program Files\SIGNAL RECOVERY\USBDriversV3\USBDriverW7Vista32

For Windows 7 64 bit systems:
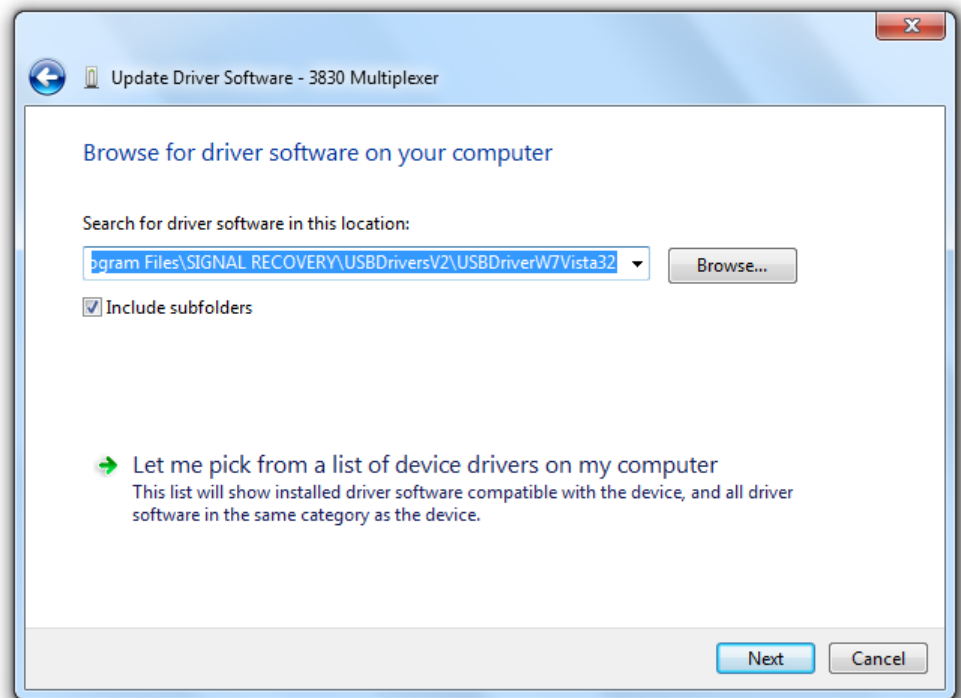**C:\Program Files (x86)\SIGNAL RECOVERY\USBDriversV3\USBDriverW7Vista64**

Figure 6, Browse for Driver Software Dialog

g) The Windows Security dialog, shown in figure 7, will be displayed to indicate that the driver has been digitally signed by Ametek, Inc, the parent company of **SIGNAL RECOVERY**. Click Install to continue.
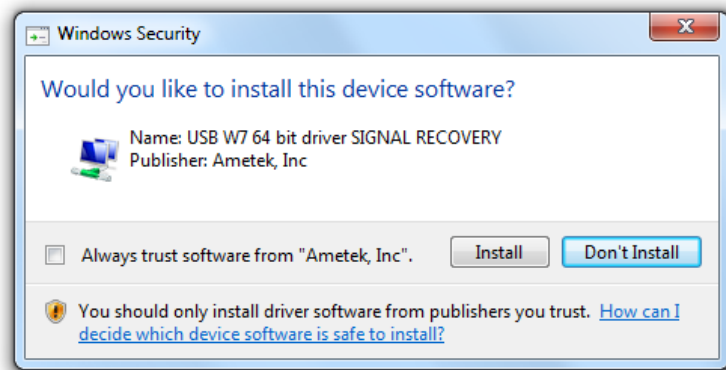

Figure 7, Windows Security Dialog

h) To verify correct installation, go to the Control Panel and Device Manager. Click

the + sign next to the **SIGNAL RECOVERY** device category which will display the installed model number, as shown for the case of the Model 3830 Multiplexer in figure 8.
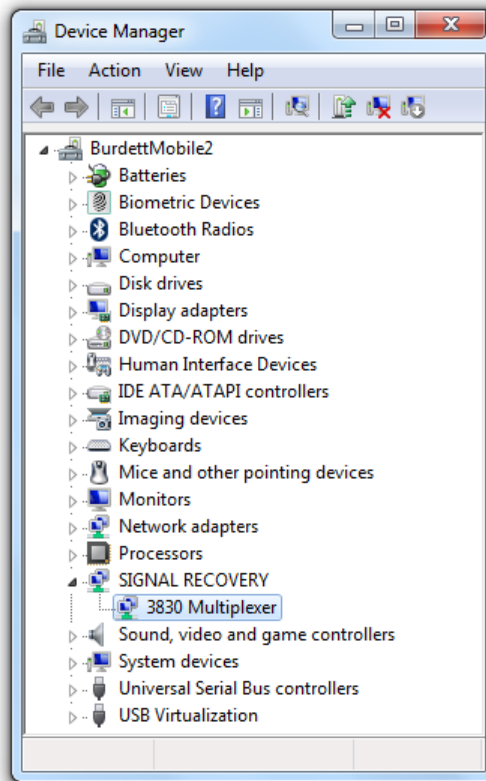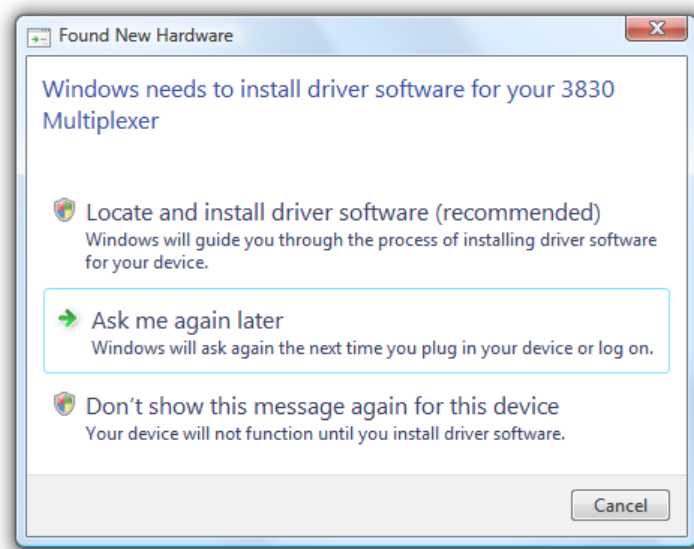

**Figure 8, Device Manager - SRUSB Driver Correctly Installed**

Installation - Windows Vista

a) Take a USB 2.0 type A to type B cable, shown above in figure 1, and plug the A plug end into a free USB port on the computer and the B plug end into the connector on the model 3820 or 3830.

b) The PC will display the "Found New Hardware" dialog, similar to that shown below in figure 9.

Figure 9, Found New Hardware Dialog

c) Click the **Locate and install driver software** option. After searching Windows Update the dialog shown in figure 10 below will be displayed.
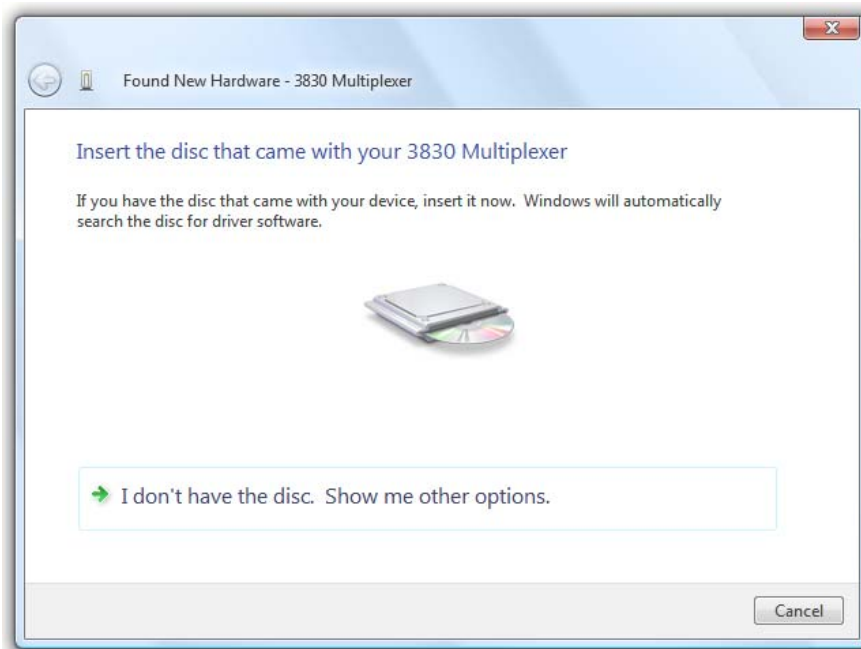
Figure 10, Insert Disk Dialog

d) Click on the **I don't have the disk** option. The dialog shown in figure 11 will be displayed.
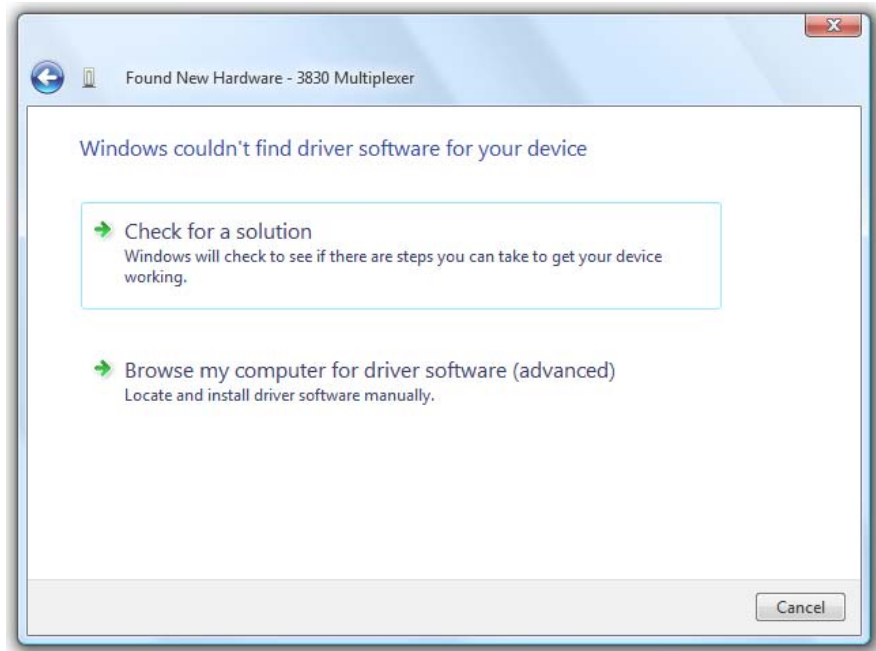
Figure 11, Unable to Find Driver Software Dialog

e) Click on the **Browse my computer for driver software** option. The dialog shown in figure 12 will be displayed.
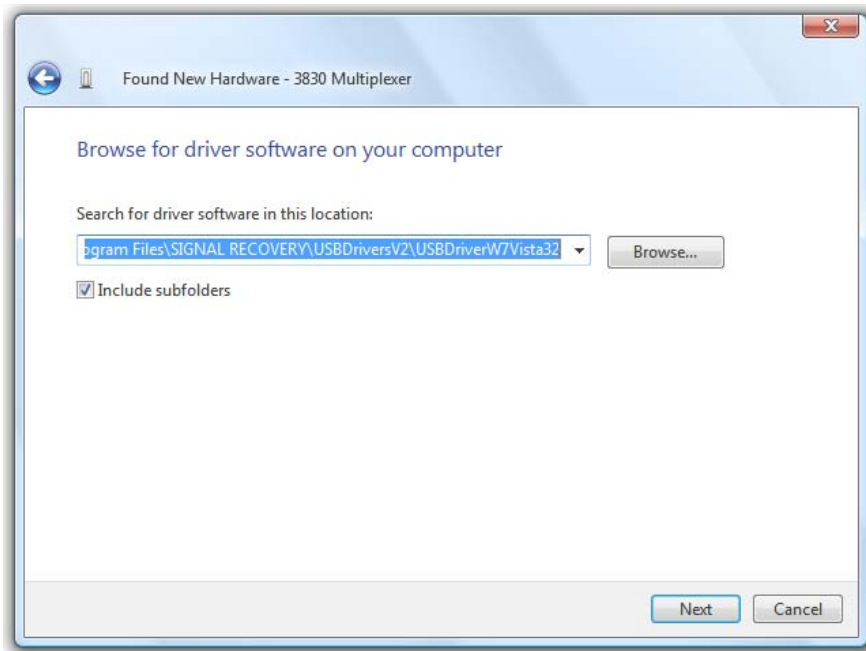
Browse to or enter one of the following locations:

For Vista 32 bit systems:
C:\Program Files\SIGNAL RECOVERY\USBDriversV3\USBDriverW7Vista32

For Vista 64 bit systems:
C:\Program Files (x86)\SIGNAL RECOVERY\USBDriversV3\USBDriverW7Vista64

Figure 12, Browse for Driver Software Dialog

h) The Windows Security dialog, shown in figure 13, will be displayed to indicate that the driver has been digitally signed by Ametek, Inc, the parent company of **SIGNAL RECOVERY**. Click Install to continue.

Figure 13, Windows Security Dialog

g) Verify correct installation of the driver by going to the Control Panel and Device Manager, and checking that the installed instrument is shown under the SIGNAL RECOVERY device category, as in figure 8 above.

Installation - Windows XP

This procedure assumes that no USB driver for these instruments has already been installed, or that any driver that has been used in the past has been properly uninstalled. Note also that you need to be using an account with administrator permissions in order to install the driver.

a) Take a USB 2.0 type A to type B cable, shown above in figure 1, and plug the A plug end into a free USB port on the computer and the B plug end into the connector on the model 3820 or 3830.

b) The PC will display the "Found New Hardware Wizard" dialog, similar to that shown below in figure 14.

Figure 14, Found New Hardware Dialog

c) Click on **No, not at this time** and then **Next.** The dialog shown in figure 15 will be displayed.
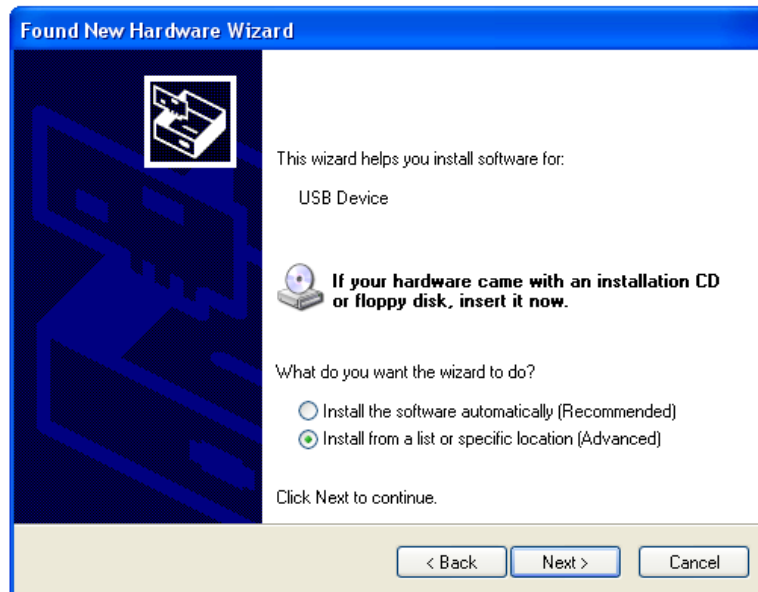

Figure 15, Select Driver Installation Source

d) Click on the **Install from a list or specific location** and click **Next**. The dialog shown in figure 16 will be displayed.
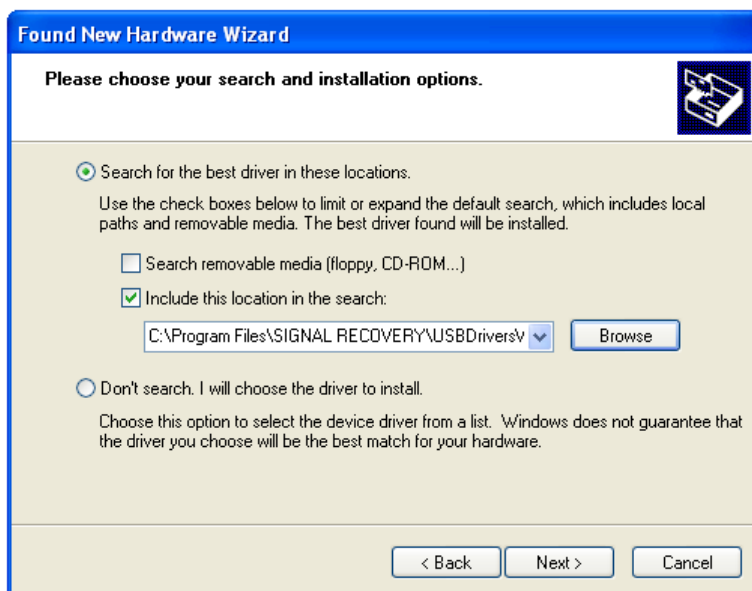
Figure 16, Choose Search and Installation Options Dialog

f) Click on the **Search for the best driver in these locations** option.

Enter or browse to:
C:\Program Files\SIGNAL RECOVERY\USBDriversV3\USBDriverXP32 in the location box.

Click **Next** and the selected driver will then be installed. On completion, the dialog shown in figure 17 will be displayed. Click Finish to complete the process.

Figure 17, Driver Installation Complete

g) To verify correct installation, go to the Start – Settings - Control Panel – System – Hardware – Device Manager dialog. If you have installed the SRUSB driver then clicking the + sign next to the **SIGNAL RECOVERY** device category will display the installed model number, as shown for the case of the model 3820 in figure 18.
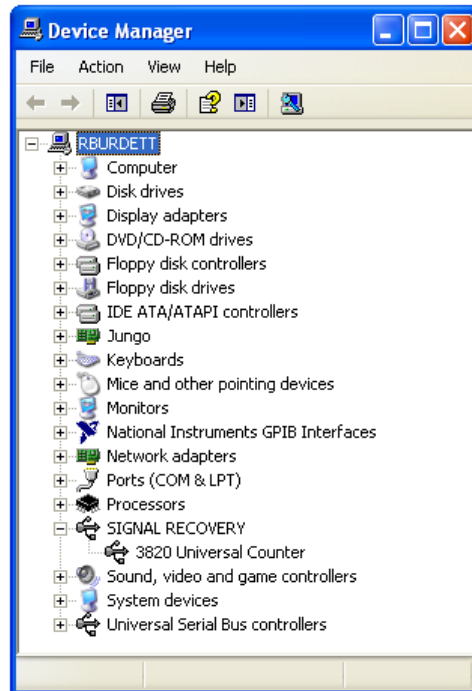
Figure 18, Device Manager - SRUSB Driver Correctly Installed

Further Advice

If you require further help or assistance in driver installation or removal then please contact our service department via e-mail at **info@signalrecovery.com**

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