# Windows 98 and 2000 USB driver Installation Guide

# User Guide

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# Safety Symbols and Terms

When the ⚠ symbol is present on an instrument it indicates that the operators should refer to the User Guide for more information.

When the ⏚ symbol is present it indicates a terminal that is connected to the functional ground of the instrument.

When the 🔥 symbol is present it indicates that the surface may be hot.  Avoid contact with the surface of the instrument to avoid burns.

When the ⏚ symbol is present near a screw it should be connected to a safety earth ground using a wire recommended in the User Guide.

# Installation Categories

Advent Instruments products are designed for use and to measure electrical signals that are rated Measurement Category I as described in the International Electrotechnical Commission (IEC) Standard IEC 606064.  The equipment measurement terminals are not designed to be directly connected to the mains voltage or a voltage source with high transient over-voltages.

# USB Driver Installation

The following figures show the step by step procedure for installing the Advent USB drivers specifically for the Windows 98/2000 operating system.  This same driver can be used for all of the Advent Instrument devices including the AI-7280, AI-5120 and AI-5620.

Note: This procedure should only be used for installation on the Windows 98 and 2000 operating systems.  The later operating systems like Windows XP, Vista, and Win7 should use the newer WHQL certified driver and not the installation method outlined in this guide.  The later drive may be downloaded from our website or contact technical support with the information in Appendix A:  Support

1.  **Download the USB installer Package**

The USB drivers are part of an archive package that can be downloaded from our website at the following address www.adventinstruments.com\download.  The archive file may be saved to a temporary location on the hard drive. In this example the file was stored to

   **\My Documents**
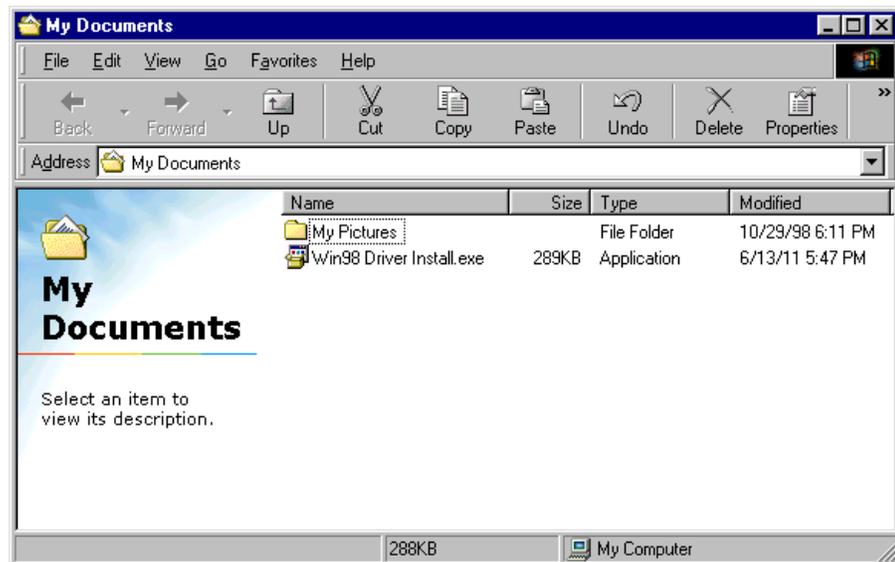


2.  **Double click on the executable file to start the self extracting process.**

The driver package is distributed as a self extracting zip archive.  This archive will automatically decompress and request a location for the files to be copied to.  In this example the files are extracted to **\My Documents\Win98drv\.**

**Advent Win98/2000 USB Driver files**

Please type the location where you want to place the extracted files.

C:\My Documents\Win98drv          Browse...

OK          Cancel
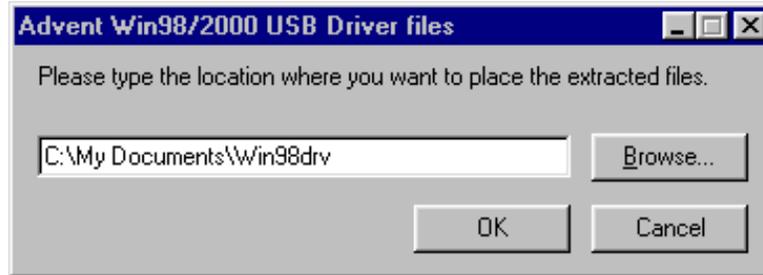
**3.  Connect the Instrument to the PC with USB cable**

With the AI-7280 powered on, connect a USB cable from the PC to the AI-7280.  The
Windows operating system will detect the presence of the AI-7280 and display a message as
follows:

**New Hardware Found**

Advent Instruments Device

Windows is installing the software for your new hardware.
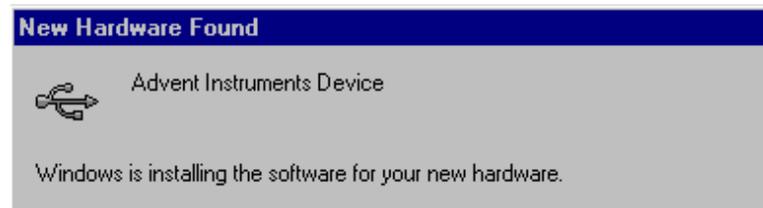
As the USB drivers are not currently installed, Windows starts the new hardware wizard to
guide you through the installation process.

After a short delay the following welcome screen will be displayed.

**Add New Hardware Wizard**

This wizard searches for new drivers for:

AI-7280 CO Line Simulator

A device driver is a software program that makes a
hardware device work.

< Back          Next >          Cancel

**4.  Click on the "Next" button to proceed with the installation.**

The Windows operating system needs to be told how it should locate the driver files for the AI-
7280.  The correct selection is to search for the best driver as we have stored that to a
temporary location on the hard drive.

**5.   Select "Specify a location:" and "Browse" to provide the path to the files**

The path to the driver files is supplied in the following window.  Click the **Browse** button, which opens a window for selecting directories.
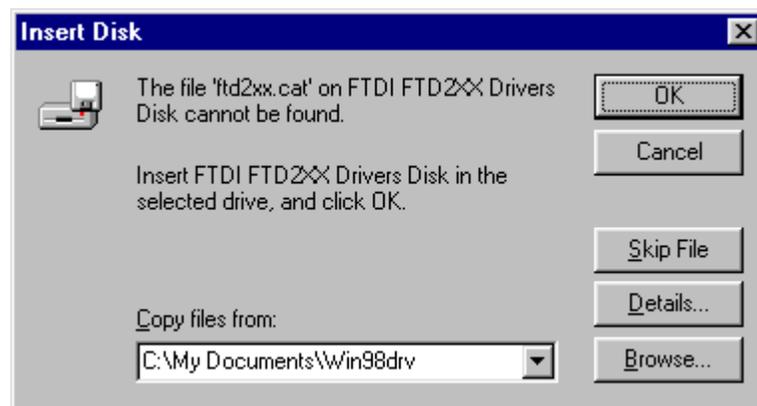


The directory to select is the same location you stored the files in step 1 of this guide.  In this case we have stored the files to :

> **\My Documents\Win98drv**
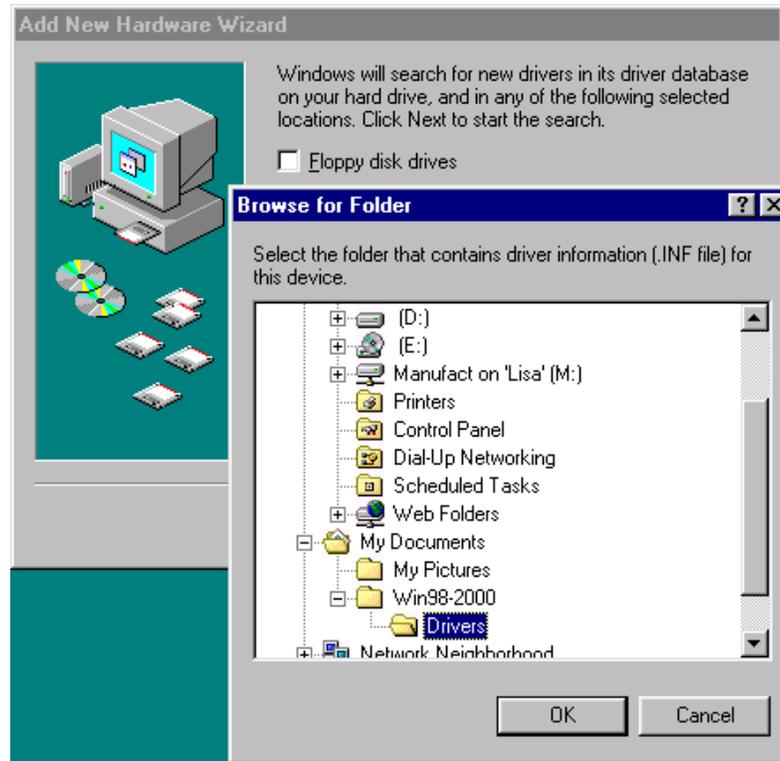
Select the correct directory and press the OK button to search the desired path.

6. **Click next to start installing the driver.**

The installation process may take a few moments. During this time, a window similar to the following will be shown.



Once the installation is complete, the AI-7280 will be ready for use. The name for the USB driver is "Advent Instruments Device" so that when viewing the Control Panel's 'Device Manager' window.

**7.  Click "Finish"**

A message box will be displayed, as shown below, which indicates that the USB driver has been correctly installed and the AI-7280 is ready for use.

# Appendix A: Support

For assistance in hardware setup, program installation, software operation, or general questions, please contact us in any of the following methods.

- Email: Technical Questions: techsupport@adventinst.com

    Sales Inquires: sales@adventinst.com

- In North America:

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