

Baces3D measurement arm

USB Installation manual



Contents

<i>Introduction</i>	<i>3</i>
<i>Host computer requirements</i>	<i>3</i>
<i>Installing the Baces3D measurement arm</i>	<i>3</i>
Installing the Baces3D USB Software Package.....	3
To install the software package:	4
Connecting the arm	4
Installing the USB Device Driver	4
<i>For Microsoft Windows XP:</i>	<i>5</i>
<i>Baces3D installation for Windows VISTA</i>	<i>8</i>
Hardware settings.....	8
Software settings.....	10

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Introduction

This chapter will cover the following topics:

- Host Computer Requirements
- Installing the Baces3D USB software
- Connecting the arm



IMPORTANT:

Do not plug the Baces3D USB arm before to setup the driver files on your system.

Host computer requirements

To communicate with Baces3D arm, the following hardware and software requirements must be met:

- PC-compatible system
- An available USB port
- CD-ROM drive (for use with the accompanying CD)
- Microsoft Windows 98, Second Edition (98SE), Windows 2000 Desktop or Windows XP

Install the Baces3D measurement arm

As a USB device, the Baces3D USB arm requires very little effort to install; most of the work is done by the operating system. The three steps required are:

1. Installing the Baces3D USB software package
2. Connecting the Baces3D USB arm
3. Installing the USB driver

Installing the Baces3D USB Software Package

The software package that accompanies the Baces3D USB arm contains all the software required to start using the arm immediately. It includes the BacesWIZARD application, the USB drivers, and all documentation.

Installation is completely automated, and does not require any user intervention or configuration once the process is started; however, USB driver installation will require connection of the arm to complete. The process is identical for all 32-bit Windows operating systems. Users with Windows NT® -based desktops (2000 and XP) do not need to have administrative rights to their systems for this installation, as long as they have at least Power User rights.

Closing all background applications before proceeding is helpful, but not required. If possible, temporarily disable any anti-virus software that the host system is running before installing the package, and re-enable it after the installation is complete. This is also not absolutely necessary, but may be helpful in some system configurations.

Install the software package:

1. Double-click on "My Computer", then on the icon for the CD-ROM.
2. Double-click on the " Baces3D install X.X.X.X.msi " icon. Installation will proceed automatically, and take 1-2 minutes.

Alternatively, run the installation by selecting Run from the Start menu. At the dialog box, enter:

x:\Baces3D install.msi

where "x" is the drive letter of your CD-ROM.

The installation process will install the software package. By default, all files are installed in the directory C:\Program files\Baces3D. A short cut for the software is also installed under Programs from the Start menu (Programs > Baces3D).

Connecting the arm

To connect the Baces3D USB arm :

1. Connect the power-supply.
2. Connect the USB cable to an open USB port on the host system PC (not a USB hub connected to the host system PC).
3. Check the leds. The red Power LED should be lit, and green Status LED should be flashing.

Installing the USB Device Driver

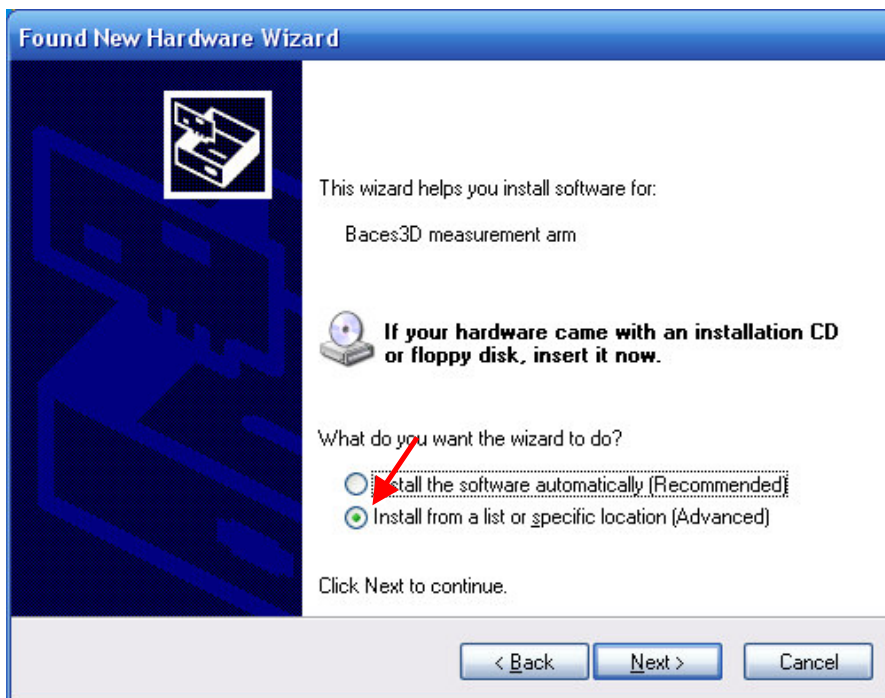
Because of the differences in USB implementation for different versions of Microsoft Windows, the installation of the driver varies with the operating system being used. In general, there are two different procedures: one for Windows 98SE, and one for Windows 2000 Professional Desktop and Windows XP Desktop.

For Microsoft Windows XP:

1. After the USB cable is connected, the initial Hardware Wizard dialog appears



Select the “No, not this time” option. Click Next.

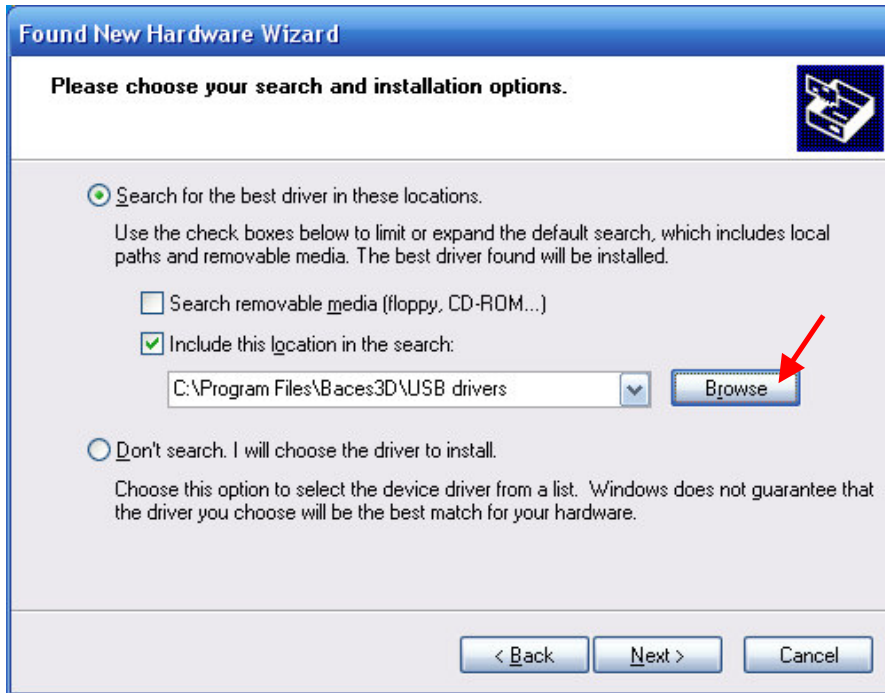


Select the “Install from a list of specific locations” option. Click Next.

2. At the “Search and Installation Options” dialog, select the “Include this location...”

option. Click the Browse button to open the Windows Browse for Folder dialog. Navigate to the directory C:\Program files\Baces3D\USB drivers\.

Click OK to accept the location, then Next at the original dialog.

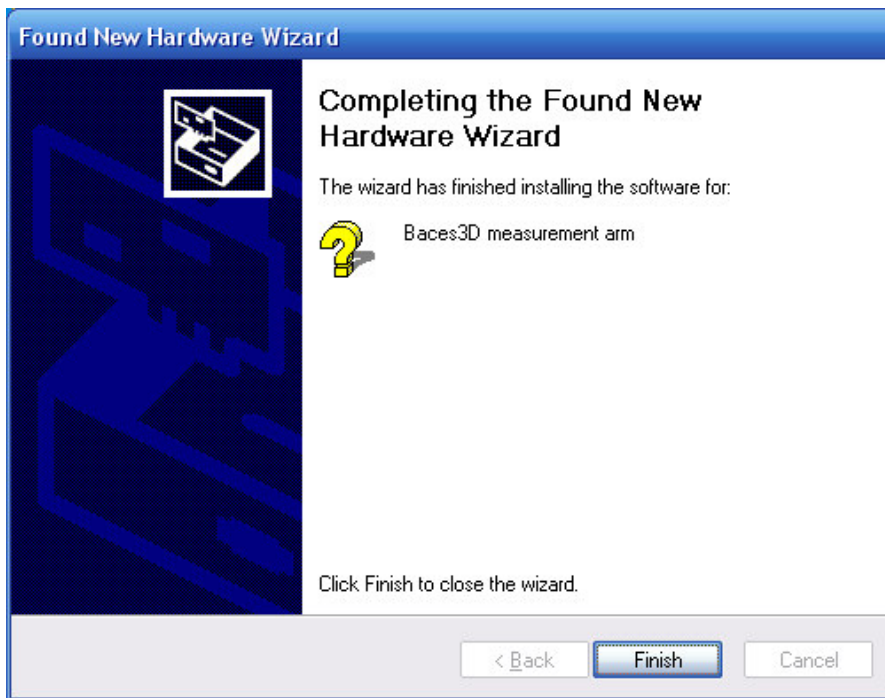


3. At the Windows Logo testing dialog click "Continue Anyway" button.



The system will copy and install the driver files, and indicate when the process is finished. Click Next.

4. The final dialog will indicate that the driver has been successfully installed. Click Finish.



It will not be necessary to restart the system.

Regardless of the versions of the operating system, the Baces3D arm will appear in the Device Manager view (available from the System applet in the Control Panel) when the installation is complete. The Baces3D measurement arm will appear under the category of "Other Devices". The icon and name will be the same in all versions of Windows.



IMPORTANT:

Is necessary to repeat the installation of the Baces3D USB drivers for every port of the host system PC.

Baces3D installation for Windows VISTA



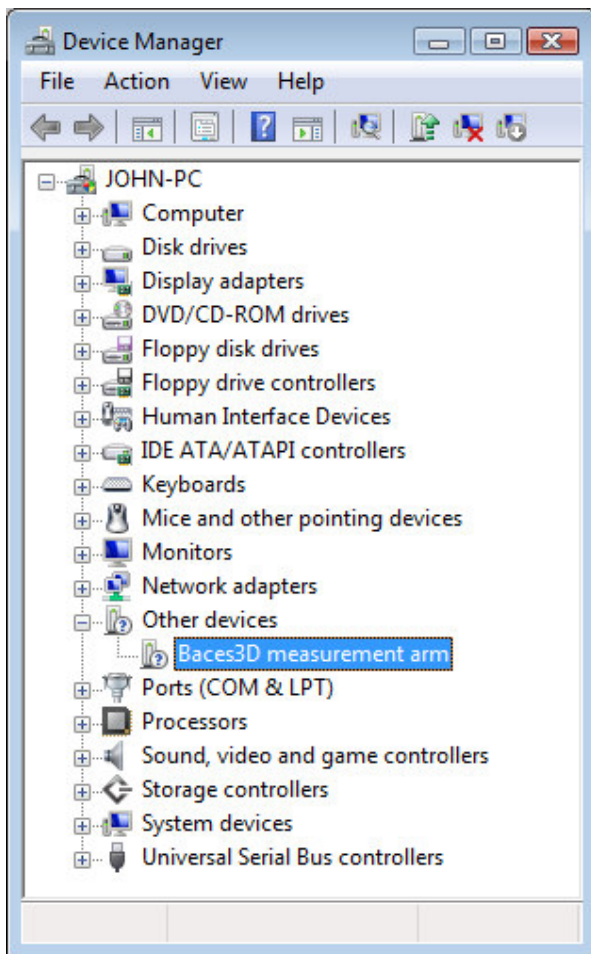
IMPORTANT:

Install Baces3D USB drivers before connecting the arm.

To correctly connect the measurement arm in Microsoft Windows VISTA, we have to do some important settings on PC.

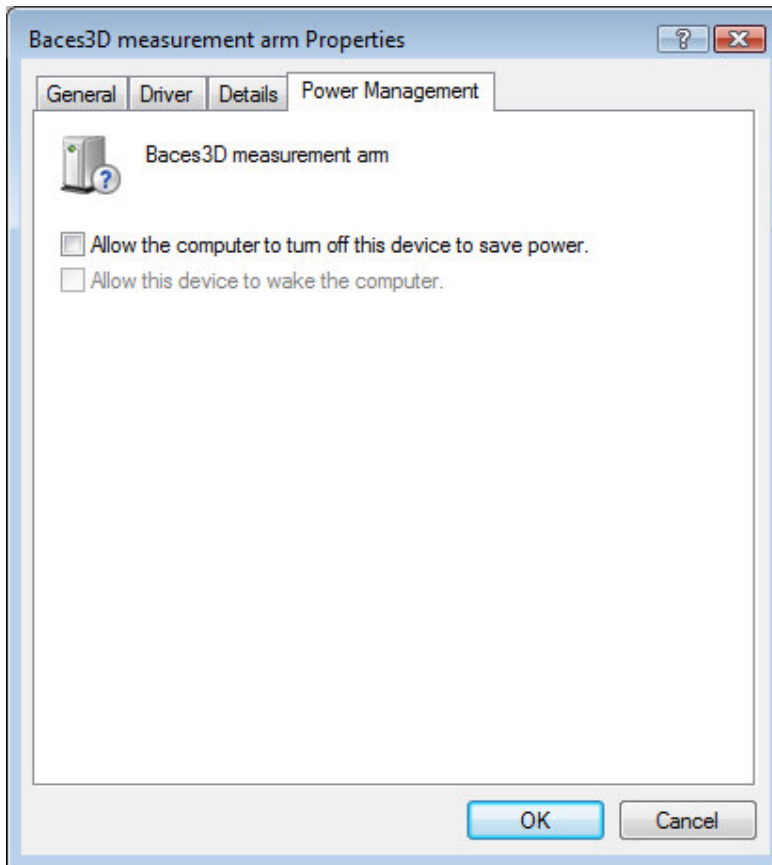
Hardware settings

From Control **Panel** -> **System** select **Device Manager**.



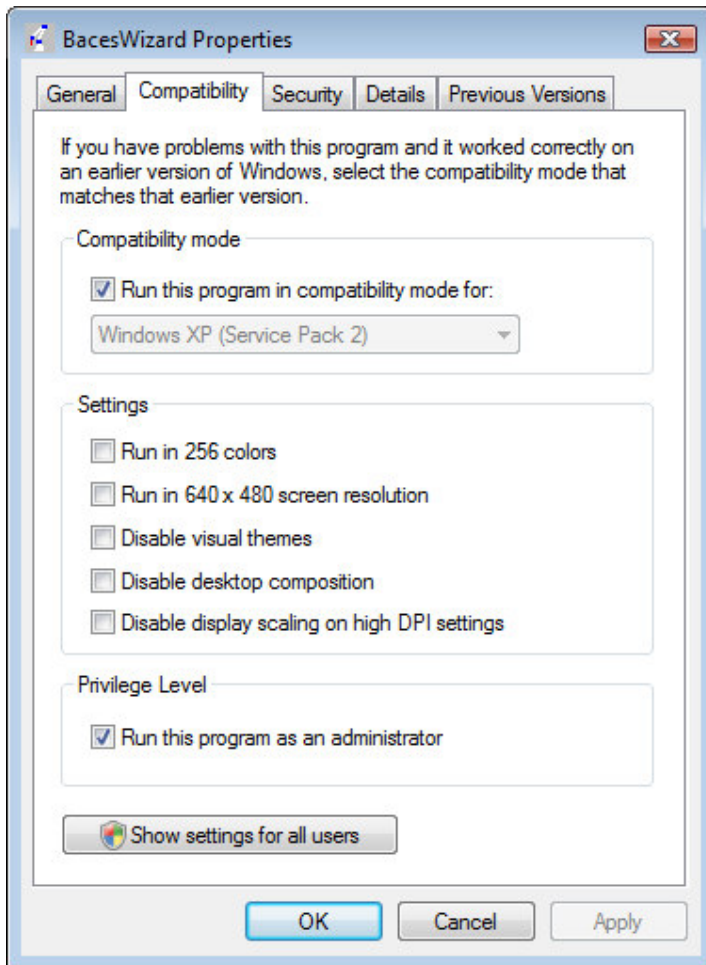
From the hardware tree, click **Other devices**, and then double-click **Baces3D measurement arm**.

From **Baces3D measurement arm Properties** dialog, select the **Power Management** tab. Untick the **Allow the computer to turn off this device to save power** option.



Software settings

From the program file of the software that you have to use with Baces3D arm, right click and select Properties dialog.



From **Compatibility** tab, select **Compatibility mode** as Windows XP (Service Pack 2) and **Privilege Level** as Run this program as an administrator.