

INSTALLATION MANUAL

AVANT™ *A²D⁺ Audiometer*



MedRx®

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#0086



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Getting to Know Your AVANT A²D⁺ Audiometer

The AVANT A²D⁺ represents a new era of ultra compact diagnostic audiometry for your office. Compact yet rugged, this PC-Based system is USB powered and supports ANSI and IEC audiometric tests. The following section of this manual will familiarize you with the physical features and accessories of the A²D⁺ system.



Unit Powered On – No Ear Selected



Rear View

A unique feature of the AVANT A²D⁺ Audiometer is the light panel which indicates which ear is selected in the software. When the unit is powered up, but no ear is selected, the light shines green as shown above. During testing, the light shines blue when the left ear is selected and red when the right is selected as shown below.



Left Ear Selected



Right Ear Selected

Transducers and Accessories



Insert Earphones



Headset Optional



Bone Conductor



Talkback Microphone



Patient Response Switch



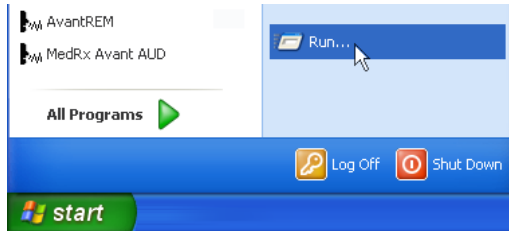
Operator Mic and Monitor



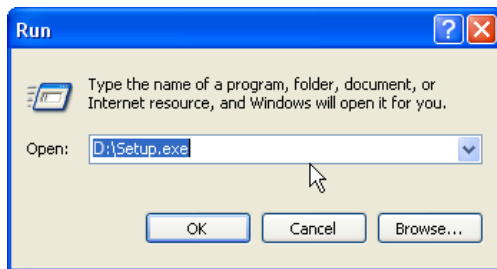
USB Cable

Software Installation

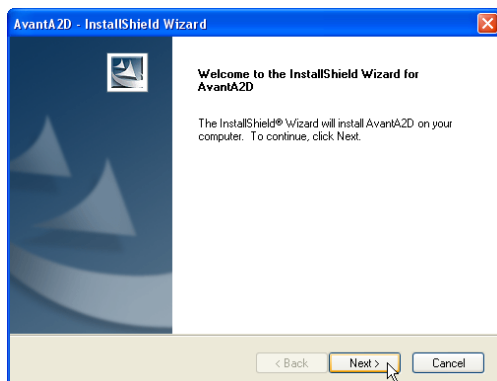
Do Not Plug in the AVANT A²D⁺ USB Cable yet!



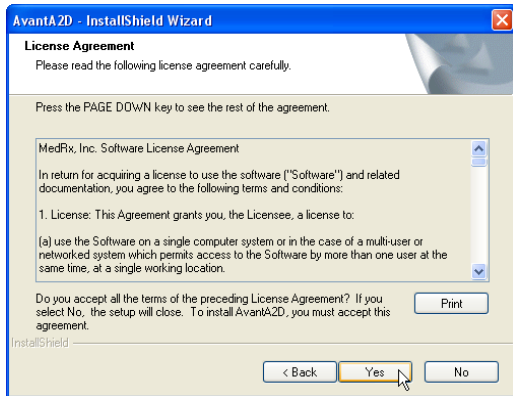
1. Insert the AVANT A²D⁺ CD-ROM into the CD drive. Wait until the Setup program starts.
 - If the Setup program does not automatically start, click:
 - **Start.**
 - **Run.**
 - Type **D:\Setup.exe** in the window where 'D' is the drive letter assigned to the CD ROM drive on your computer.



2. On the Setup screen, choose **Install AVANT A2D Audiometer.**

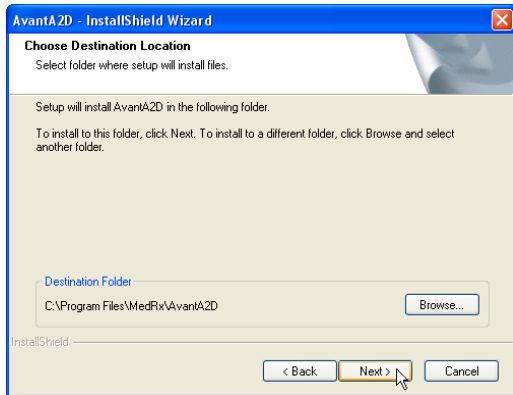


3. This is the Welcome screen.
 - To continue, Click **Next.**



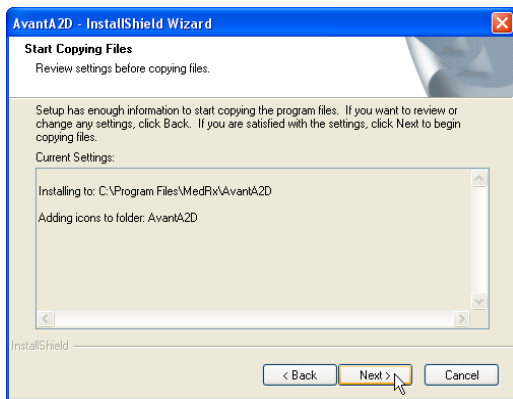
4. Read the Software License Agreement. This important document defines the acceptable usage of the A²D⁺ Audiometer.

- After reading the Agreement, click **Yes**.



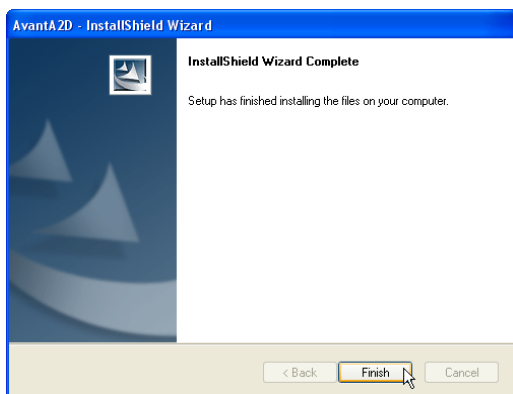
5. This screen indicates the location of the program files. The default location is recommended for most users. If necessary, this location can be changed.

- To continue with the default settings, click **Next**.
- To change the location of the files (advanced users or system administrators only) click **Browse**.



6. This screen summarizes the installation configuration.

- To continue, click **Next**.
- To make changes, click **Back**.



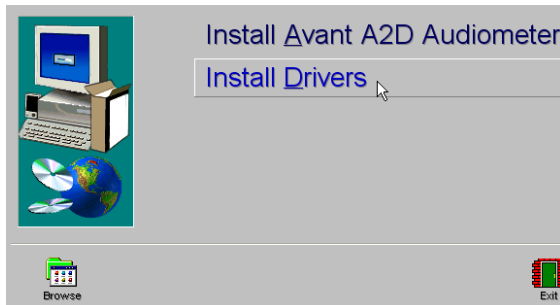
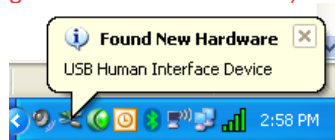
7. When the installation is complete, click **Finish**.

Driver Installation

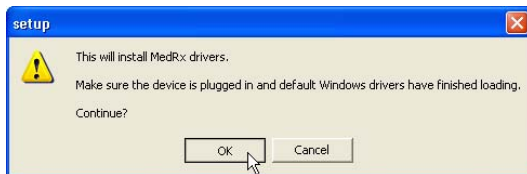
Connect the USB cable from the AVANT A²D⁺ to your computer as shown below.



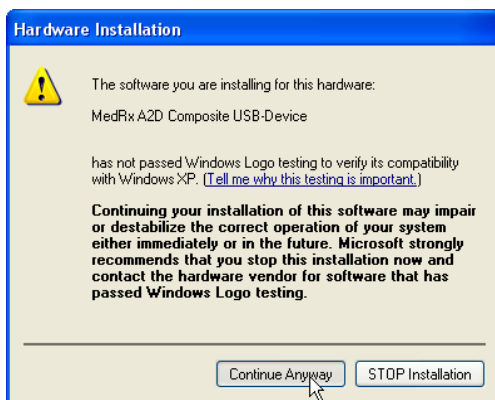
Wait for the system to copy and install default drivers. During this process, you will see the following prompts in your system tray (lower right corner of the screen).



1. After the Windows drivers have been installed, click **Install Drivers**.



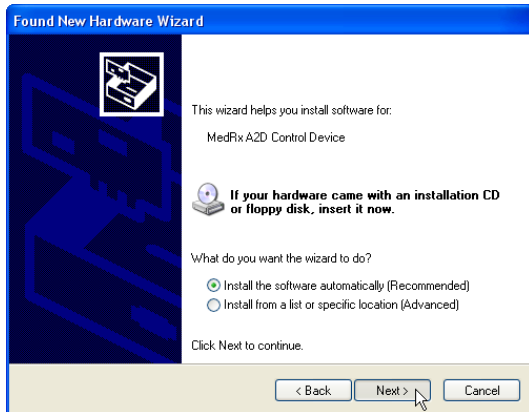
2. When this screen appears, click **OK**.



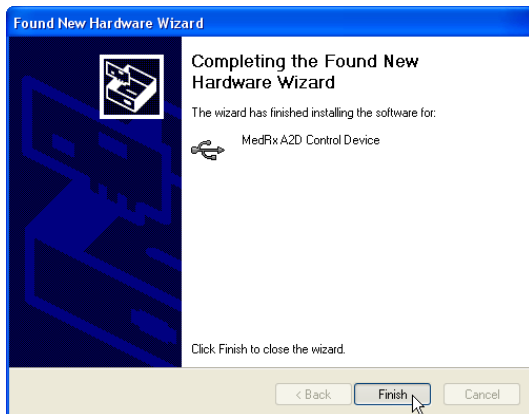
3. When the driver signature check screen appears, click **Continue Anyway**.



4. When this window appears,
 - Select “No, not at this time”.
 - Click **Next**.



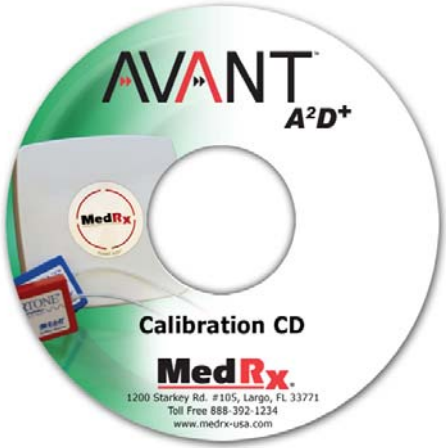
5. When this screen appears,
 - Select “Install the software automatically (recommended)”.
 - Click **Next**.



6. When the driver installation is complete, this screen will appear.
 - Click **Finish**.

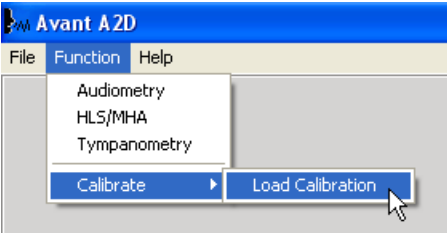
7. **Exit the Setup screen** when the driver installation is finished.

Loading Calibration Files

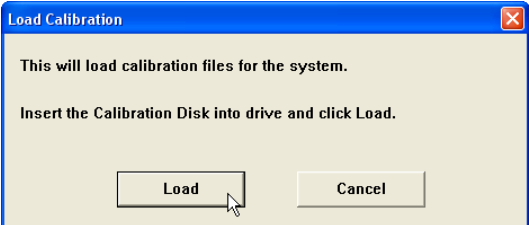


Each AVANT A²D⁺ audiometer is calibrated in compliance with the ANSI S3.6 standard. This calibration procedure results in a series of files that the A²D⁺ software reads to keep the hardware in calibration. These files are supplied on a CD bearing the same serial number as your A²D⁺ device.

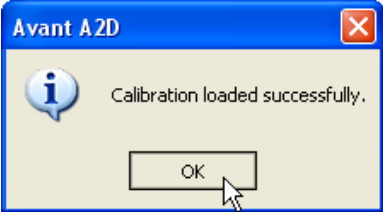
The final step before using your AVANT A²D⁺ to evaluate hearing is to load these device-specific calibration files onto the computer used to control the A²D⁺ device.



1. With the Calibration CD in the drive, open the AVANT A²D⁺ software and click:
 - **Function.**
 - **Calibrate.**
 - **Load Calibration.**




2. After a few seconds, the CD will "spin up" and this message will appear.
 - Click **Load**.



3. When the files are finished being loaded, this message will appear:
 - Click **OK** to complete loading the calibration.

Safety

Regarding electrical safety, this device is to be used only by professionals in the hearing healthcare industry.

It is Class II Medical Electrical (ME) equipment that is part of an ME system.  Power is supplied by the USB cable connected to a computer. An in-line optical isolator with medical power supply is recommended to achieve optimum safety. A medical grade computer is recommended and a medical grade isolation transformer will help minimize ground current. It is recommended that powered speakers are connected to an isolation transformer. The use environment should be between 10°C and 35°C, humidity within 30% to 90%. All components with patient contact are made of bio-compatible materials.

The colored lights on the device conform to the standard color designations for audiology. They signify that either the left (blue) channel is active or the right (red) channel is active, or no channel is active (green). The colors do not signify any dangerous or faulty condition. Mild soapy water is the preferred cleaning solution.

All repairs should be sent to Medrx for evaluation and / or repair.

Symbols that may be used:



Read the instruction manuals for safe usage of the device. (operating instructions)



or **SN** Indicates that the device serial number will follow.



Type B applied part.



Manufacturer (Medrx)



Authorized Representative in Europe

Congratulations

Your MedRx system is now set up and ready for use. Please consult the Training Manual and the Interactive Help Files within the software for instructions and procedures. The Training Manual is available in PDF format on CD and at www.medrx-usa.com in our Download Section.

Limited Warranty

MedRx, Inc warrants this product to be free from defects in material and workmanship for one year from the time of purchase. If this system fails to perform as specified during this period, the purchaser is responsible for calling MedRx at (888) 392-1234 or (727) 584-9600. The company's representative will advise the owner to either return specific components or the entire system to:

MedRx, Inc.
1200 Starkey Road #105
Largo, FL 33771 USA

MedRx will repair or replace any defective devices, fully test the system and/or components and ship the system promptly back to the owner. There is no cost for the repair or return shipping, provided the system is one year old or less and has not been misused, abused or damaged. Such damage includes, but is not limited to, dropping, exposure to excessive heat greater than 100°F and water/liquid damage.

Repair or replacement of the system as provided under this warranty is the sole and exclusive remedy of the purchaser. MedRx shall not be liable for any consequential or incidental damages or for breach of any express or implied warranty. Except to the extent of applicable law, any implied warranty, merchantability or fitness of this product is limited to the duration of this warranty.

MedRx will, at its discretion, service and repair out of warranty products at the purchaser's request, charging for parts and labor as necessary.

The limited warranty is deemed void if software or hardware is installed on this product which is not pre-approved by MedRx, Inc. Approved software includes NOAH™ and HIMSA approved hearing aid manufacturer programming modules for fitting hearing aids.

MedRx, Inc is not responsible for problems resulting from installation of unapproved software or hardware. In the event of unapproved software or hardware installed on the system causing a conflict, MedRx will service the product for a fee to be determined at the time of service.

Any extension of this warranty past the initial one-year warranty is subject to the following (where applicable).

1. A \$300 deductible per repair.
2. Extended warranty does not include cables, connectors or peripherals.
3. Extended warranty of the Video Otoscope covers optics only.



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