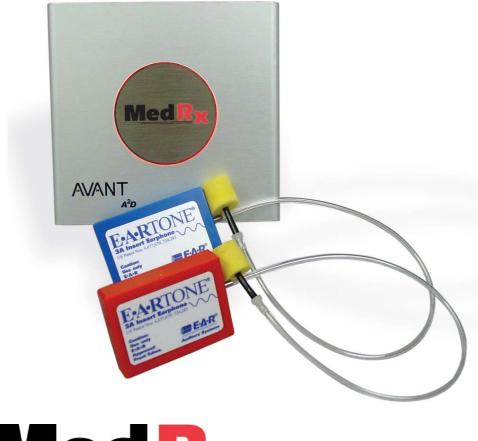
INSTALLATION MANUAL







This Page Intentionally Left Blank

Contents

| Getting to Know Your AVANT [™] A ² D | 4 |
|--|----|
| Software Installation | 6 |
| Driver Installation | 8 |
| Loading the Calibration Files | 11 |
| Safety | 12 |
| Limited Warranty | 13 |





www.medrx-usa.com

1200 Starkey Rd., #105, Largo FL 33771 U.S.A. Toll Free: (888) 392-1234 • (727) 584-9600 Fax: (727) 584-9602 • Email: <u>medrx@medrx-usa.com</u>

MedRx's Authorized Representative in Europe

(Regulatory affairs only)

EC REP

Emergo Europe, Molenstraat 15 2513 BH The Hague, The Netherlands Tel: (31) (0) 70 345-8570 • Fax: (31) (0) 70 346-7299

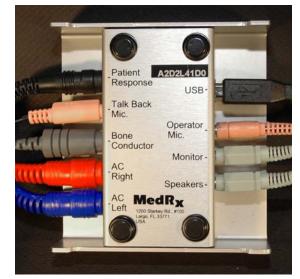
Getting to Know Your AVANT

A2D-I-MA2DIN-4 MedRx AVANT A^2D Installation Manual Effective Date: 5-4-2012

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 all ANSI and IEC audiometric tests. The following section of this manual will familiarize you with the physical features and accessories of the A²D system.





Front View



A unique feature of the AVANT A²D Audiometer is the switching 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



NOTE: The AVANT A²D supports both Insert and TDH earphone, however <u>only one</u> set of earphones is included with each system.

Insert Earphones



TDH-39 Earphones



Bone Conductor



Patient Response Switch



Talkback Microphone



Operator Mic and Monitor



USB Cable

Software Installation

Do Not Plug in the AVANT A²D USB Cable yet!

| M AvantREM | / Run | | 1. | Ins the pro |
|--|---|-----------|----|-------------------|
| All Programs 🃡 | 🖉 Log Off 🚺 Shut Down | | | • |
| 👪 start | | | | |
| Start | | | | |
| Run Type the name of a pr Internet resource, and Open: | Image: Second state of the second s | | | |
| | Install <u>Avant A2D A</u> Install <u>D</u> rivers | udiometer | 2. | On AV |
| Browse | | Exit | | |
| AyantA2D - InstallShield V | Fizard Welcome to the InstallShield Wiz AvantA2D The InstallShield® Wizard will install Av computer. To continue, click Next. | | 3. | Thi To |
| | < Back Next > | Cancel | | |

- 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.

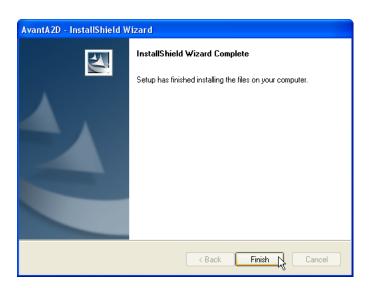
| AvantA2D - InstallShield Wizard | × |
|---|---|
| License Agreement Please read the following license agreement carefully. | |
| Press the PAGE DOWN key to see the rest of the agreement. | |
| MedRx, Inc. Software License Agreement In return for acquiring a license to use the software ("Software") and related documentation, you agree to the following terms and conditions: 1. License: This Agreement grants you, the Licensee, a license to: (a) use the Software on a single computer system or in the case of a multi-user or networked system which permits access to the Software by more than one user at the same time, at a single working location. | |
| Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install AvantA2D, you must accept this agreement. InstallShield | |
| K Back Yes No | J |

| AvantA2D - InstallShield Wizard | |
|--|---------------|
| Choose Destination Location Select folder where setup will install files. | |
| Setup will install AvantA2D in the following folder. | |
| To install to this folder, click Next. To install to a different folder, click Brows another folder. | se and select |
| Destination Folder C:\Program Files\MedRx\AvantA2D | Browse |
| InstallShield | Cancel |

| AvantA2D - InstallShield Wizard | × |
|--|------|
| Start Copying Files Review settings before copying files. | 2 |
| Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files. Current Settings: | I |
| Installing to: C:\Program Files\MedRx\AvantA2D Adding icons to folder: AvantA2D | |
| InstallShield Ca | ncel |

- 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).



| | Install <u>A</u> vant A2D Audiometer Install <u>D</u> rivers |
|-------|--|
| Brow | se Exit |
| setup | × |
| 1 | This will install MedRx drivers. Make sure the device is plugged in and default Windows drivers have finished loading. Continue? |
| | OK Cancel |
| Hardw | vare Installation |
| ♪ | The software you are installing for this hardware: MedRx A2D Composite USB-Device |

has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)

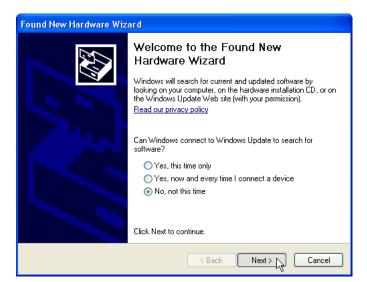
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

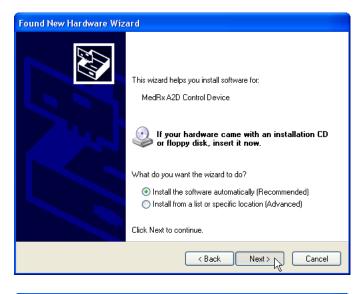
Continue Anyway STOP Installation

1. After the Window 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.**







Exit the Setup screen when the driver installation is finished.

- 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.

Loading Calibration Files



Each AVANT A^2D audiometer is calibrated in compliance with the ANSI S3.6 standard. This calibration procedure results in a series of files that the A^2D software reads to keep the hardware in calibration. These files are supplied on a CD bearing the same serial number as your A^2D device.

The final step before using your AVANT A^2D to evaluate hearing is to load these device-specific calibration files onto the computer used to control the A^2D device.



οк



- 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. **X** 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 AVANT A²D system is now set up and ready to use to perform comprehensive hearing evaluations. Please consult the AVANT A²D Training Manual and the Interactive Help within the software for instructions and procedures. The Training Manual is included in the AVANT A²D packaging in PDF format.

Limited Warranty

MedRx, Inc warrants the AVANT A²D System 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. 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 U.S.A.

MedRx will repair or replace any defective parts, fully test the system and/or components and ship the system promptly back to the owner. There is no cost for this warranty service, 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 components 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 the AVANT A²D 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 with the AVANT A^2D functions, MedRx will service the problem for a fee to be determined at the time of service.

Consult your MedRx Technical support member for other alternatives for back up.