

INSTALLATION MANUAL

AVANT POLAR HIT™



MedRx INC.®

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Getting to Know Your AVANT Polar HIT

The AVANT Polar HIT represents a new era of precision Hearing Instrument Testing for your office. Compact yet rugged, this PC-Based system is USB powered and performs all required ANSI and IEC tests. A unique feature of the Polar HIT is a rotating test pad, which allows you to generate polar plots to verify the performance of directional microphones upon delivery and following repairs. The following section of this manual will familiarize you with the physical features and accessories of the Polar HIT system.

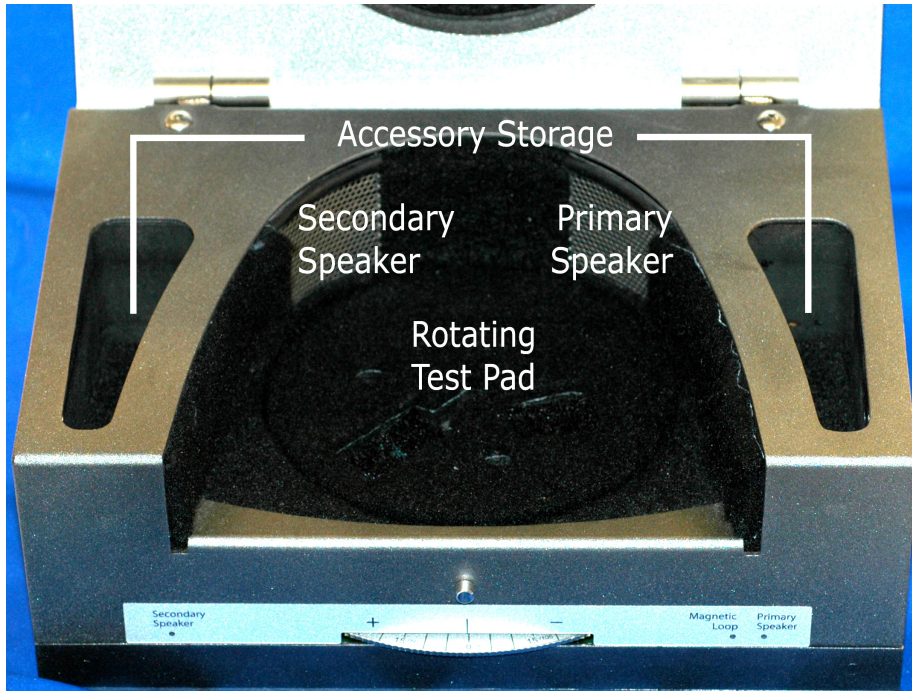


Front View

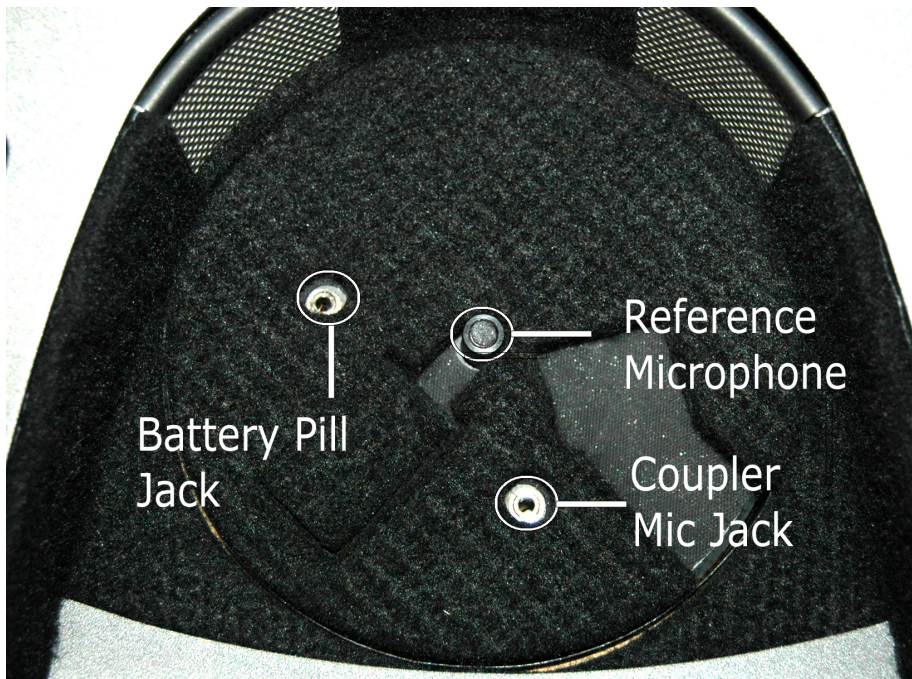


Rear View

Note the single high-speed USB 2.0 (backward compatible to USB 1.1) connector, which supplies the unit with power and transmits software control and data acquisition.



Inside the Test Chamber



Detail view of the Rotating Test Pad

Setting up the System

Install the Coupler Microphone

The Reference Microphone is pre-installed at the factory and should be flush with the floor of the rotating test pad. If it is not flush with the test pad floor, carefully push it straight down.

Carefully install the coupler microphone as shown in the images below. Take care when handling these components, as they are delicate, precision calibrated instruments.

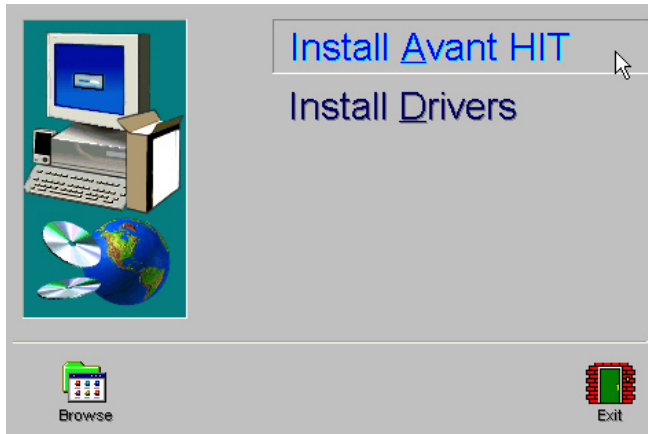


Next, install the Coupler Microphone as shown above.

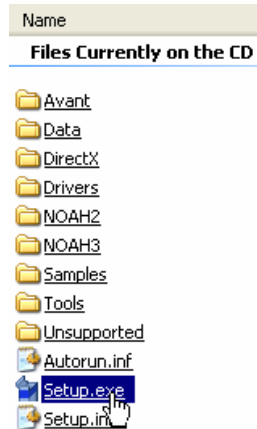
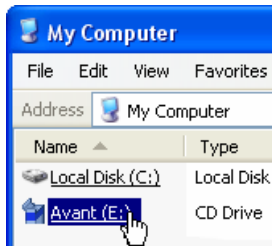
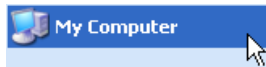
Once the microphones are installed, you must install the HIT software and Drivers. This procedure is detailed in the next sections of this manual. If you have difficulty with these steps, contact MedRx Technical Support at (888) 392-1234.

Software Installation

Do Not Plug in the AVANT POLAR HIT™ USB Cable yet!

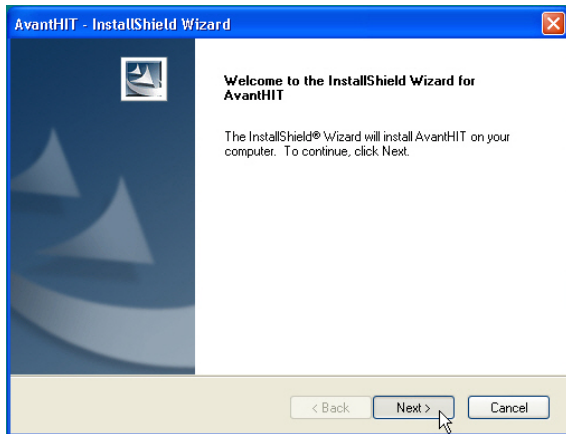


1. Insert the AVANT HIT™ CD-ROM into the CD drive. Wait until the **Setup program starts**.
2. On the Setup screen, choose **Install Avant HIT**.

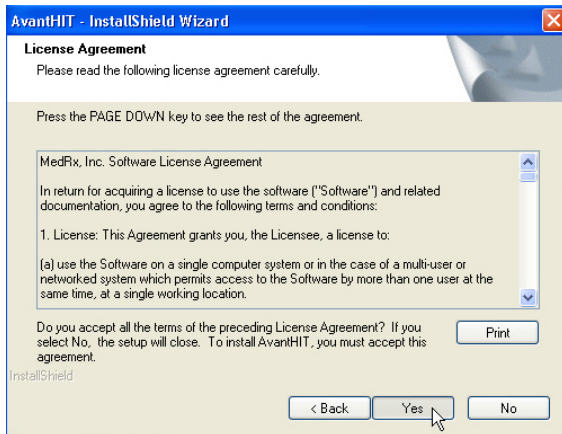


If the Setup program does not automatically start,

- Click **Start**.
- Click **My Computer**.
- Double Click on the **CD Drive** icon
- This should open the AVANT™ Setup screen shown below.
- If it does not, Windows will display a list of files on the CD ROM.
 - Double Click **Setup.exe**

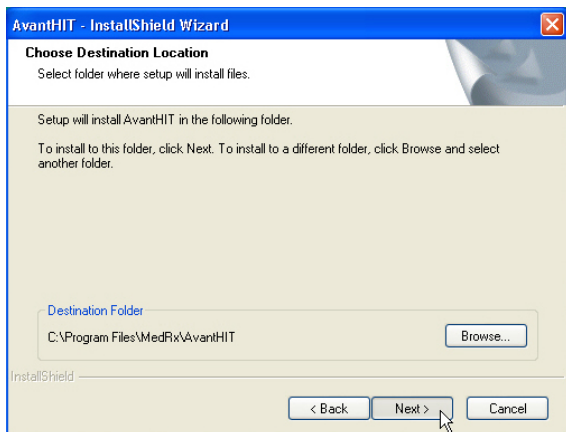


3. This is the Welcome screen.
 - To continue, Click **Next**.

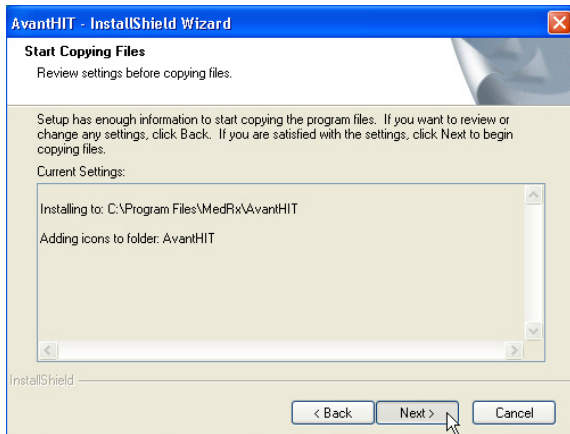


4. Read the Software License Agreement. This important document defines the acceptable usage of the Polar HIT.

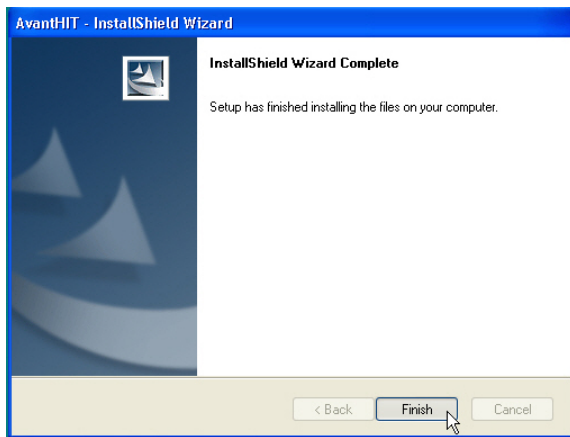
After reading the Agreement, click **Yes**.



- This screen indicates the location of the program files.
- Click **Next**.
-



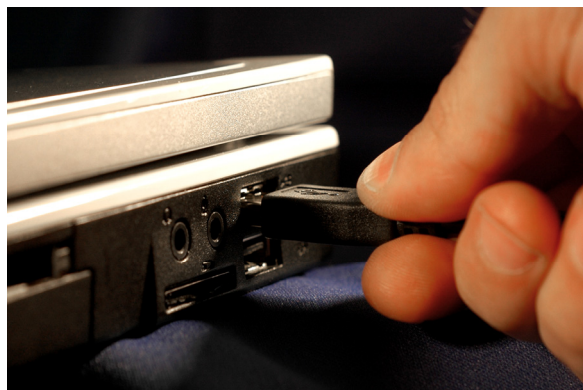
5. This screen summarizes the installation configuration.
- To continue, click **Next**.
 - To make changes, click **Back**.



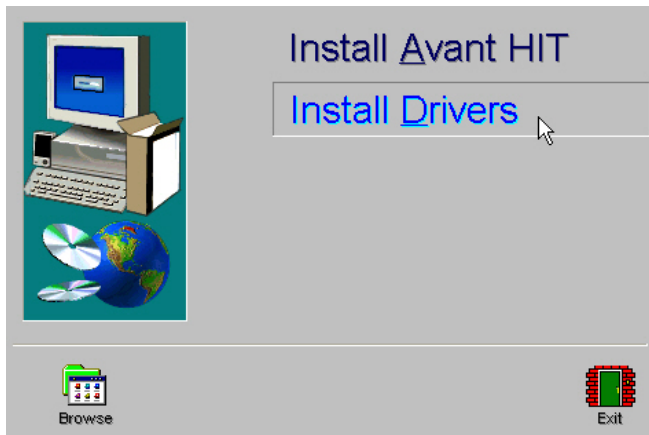
7. When the installation is complete, click **Finish**.

Driver Installation

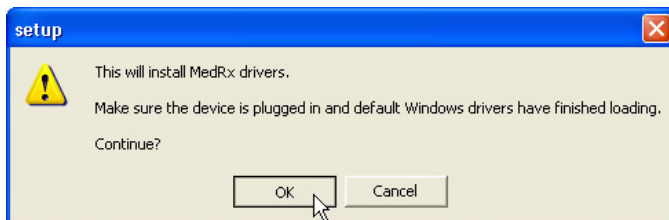
Connect the USB cable from the AVANT POLAR HIT™ to your computer as shown below. Because drivers are loaded to specific USB ports, it is essential that the Polar HIT cable be connected to the same USB port on your computer each time it is used. It is advisable to mark this port with a label to assist with identifying it should the cable need to be disconnected.



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, insert the Avant HIT installation CD into the CD Drive.
2. When this screen appears, click **Install Drivers**.



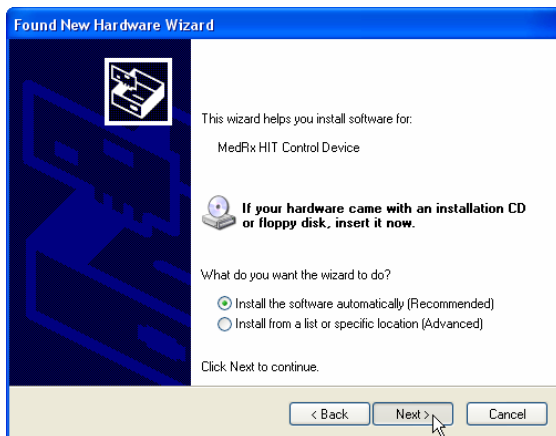
3. When this screen appears, click OK.



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



5. When this window appears,
 - Select **No, not at this time**
 - Click **Next**.



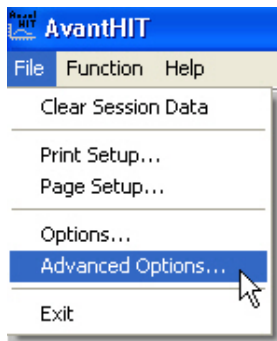
6. When this screen appears,
 - Select **Install the software automatically (recommended)**.
 - Click **Next**.



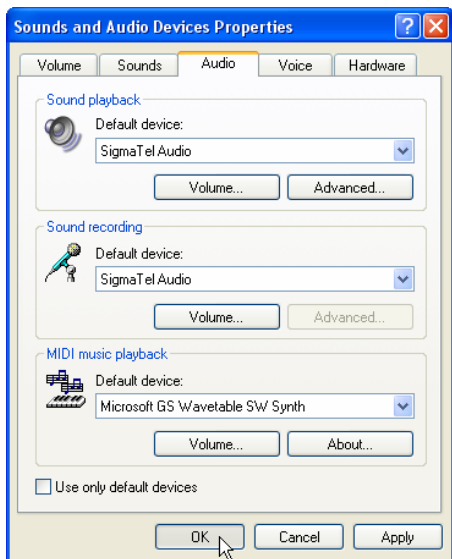
7. When this screen appears,
 - Click **Finish**.

Exit the Setup screen when the driver installation is finished.

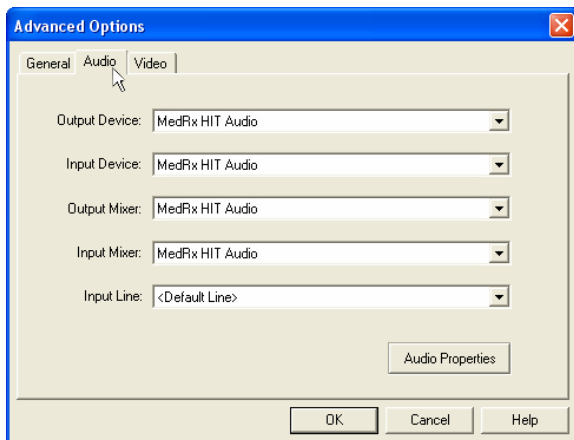
Next you need to set the Default Windows sound card settings. This will route all non-AVANT™ Windows sounds to the internal sound card of your computer. These sounds include event notifications such as new e-mail and error warnings as well as audio and video playback.



1. Launch the AVANT HIT software
2. Open the Advanced Options as shown
3. Click on the **Audio** Tab
4. Click the **Audio Properties** button



5. Using the pull downs, set the Sound Playback and Sound Recording Default devices to the internal sound card of your computer.
- **NOTE:** The internal sound card on your computer will likely not have the same name as this screen shot. Consult your computer's documentation for the name of the internal sound card and set this control accordingly.



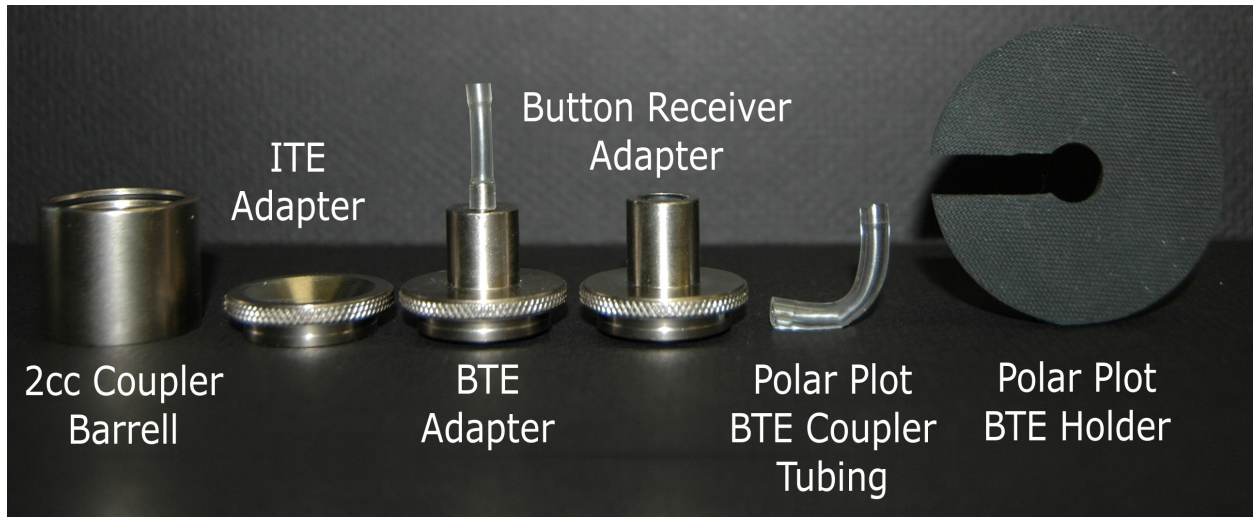
6. When the audio properties are configured properly, the Audio Tab will appear like the image on the left. If not, use the pull-down lists to adjust the settings to match the image.

Accessories

Couplers

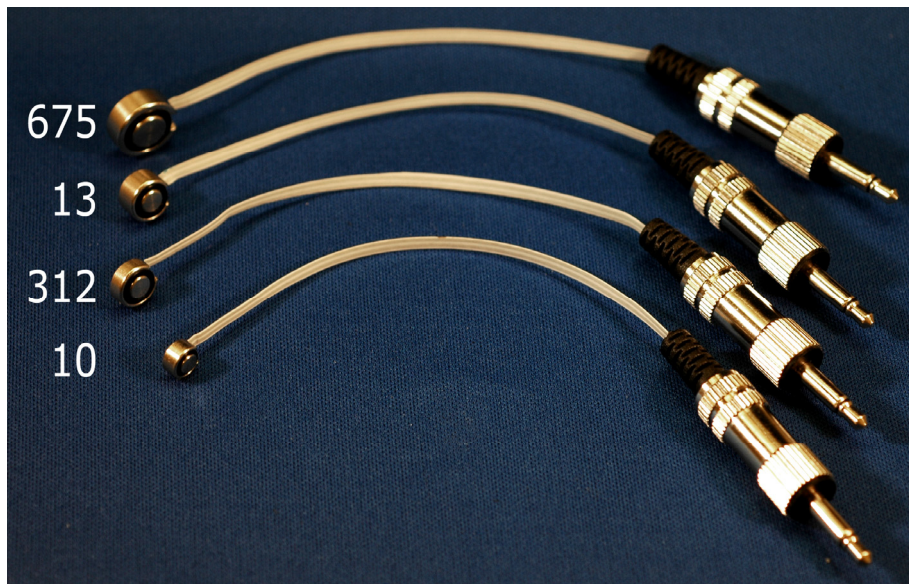
The system includes the couplers and adapters shown below. These will allow you to perform all ANSI and IEC Hearing Instrument Tests. Also included are two special accessories used only for Polar Plots.

Note: There is a flexible o-ring inside both the 2cc Coupler and the Button Receiver Adapter. These must remain in place for the couplers to function properly. Replacement o-rings are available from MedRx.



Battery Pills

Battery Pills, also known as Battery Simulators, provide power to the hearing instrument during testing. The system includes a complete set of Battery Pills as shown below.



Congratulations

Your Avant Polar HIT system is now set up and ready to test hearing instruments. Please consult the Avant Polar HIT User Manual and the Interactive Help within the software for instructions and procedures.

Limited Warranty

MedRx, Inc warrants the AVANT POLAR HIT™ 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

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 POLAR HIT™ which is not pre-approved by MedRx, Inc. Approved software includes NOAH™ and HIMSA approved hearing aid manufacture 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 POLAR HIT™ 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.