

3M™ E-A-Rfit™ Validation System



# Fit Testing for Hearing Protectors

## Version 4.1 Installation Guide (Upgrade)

Leading the Advancement of Hearing Conservation™



# Important! – *Read First*

- This upgrade guide is for users who have already installed the E-A-Rfit™ and completed all the required steps including USB driver installation and account creation. If you have NOT completed the full installation, please refer to the E-A-Rfit™ Installation Guide (Full) for further details.
- You must have administrative rights to install the E-A-Rfit™ software
- If internet connectivity or company firewall was an issue during Account Creation with your initial installation, disconnect the internet before proceeding.
- Ensure your PC meets the Minimum Hardware Requirements listed in Annex A
- Shut down any other programs you may be running on your computer before you begin.

# Table of Contents

- Download the E-A-Rfit™ software executable file
- Installation of E-A-Rfit software
  - Installation of MATLAB
- E-A-Rfit Start Up
- Annex A: IT Minimum Requirements & Software Connectivity Requirements

# Download the Software Upgrade *(if available)*

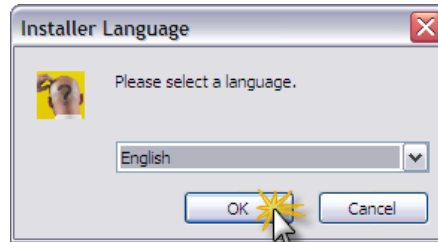
Download the E-A-Rfit software upgrade executable file and save it to a folder for future reference. We suggest you create a folder called “My Downloads” within your “My Documents” folder. The icon will look like this once you have downloaded the file from the E-A-Rfit User Support website.

An upgrade version of the software may not always be available for download. In which case, install the Full version of the software but follow these instructions.

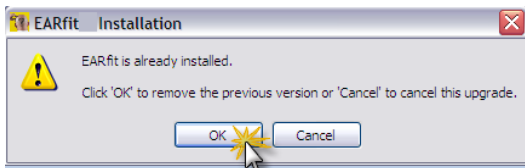


EARfit\_Software\_v4\_1\_Upgrade.exe

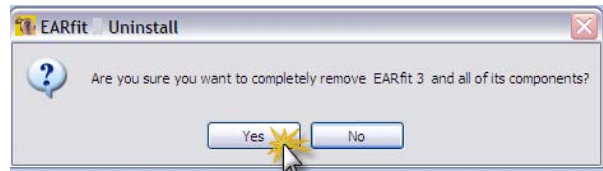
# E-A-Rfit™ 4.1 Software Upgrade Install



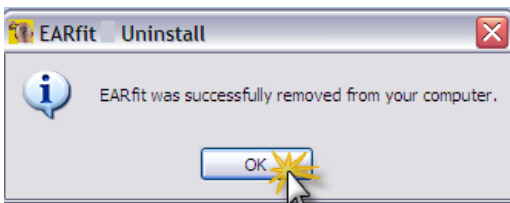
1. Chose the language from the dropdown. Click "OK"



2. Click "OK"



3. Click "Yes". Previously saved data will not be erased.

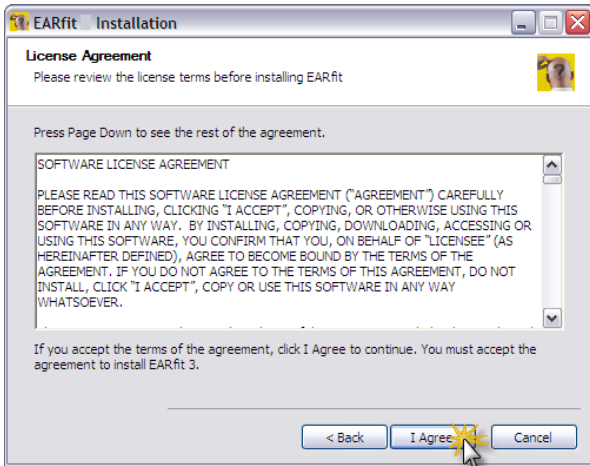


4. Click "OK"

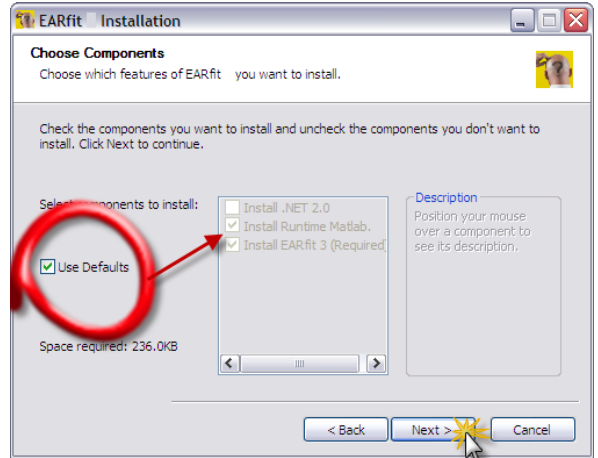


5. Click Next

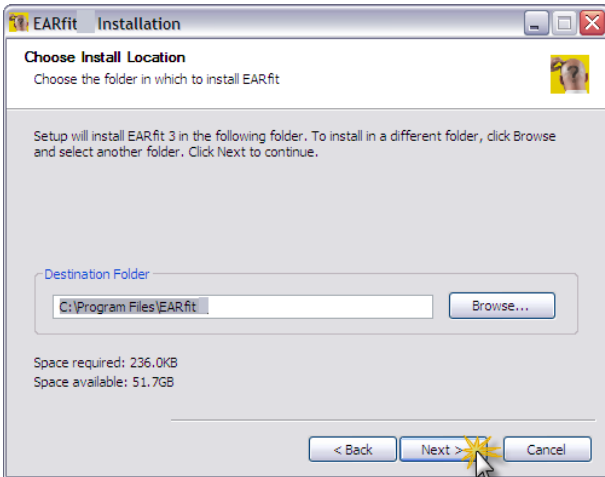




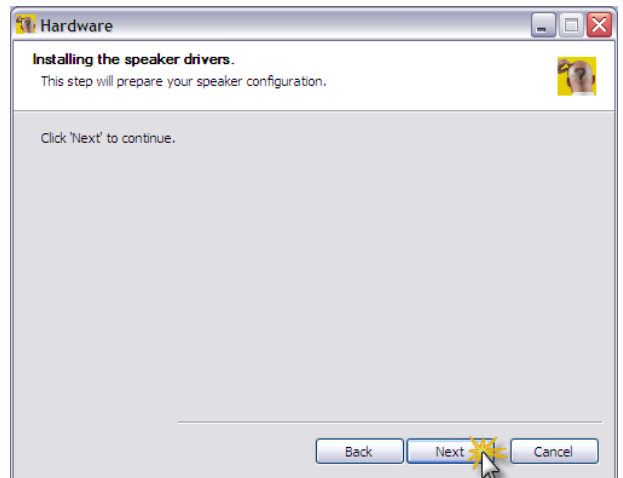
6. Read the Terms of the License Agreement and click “I Agree” if you accept the terms



7. Software defaults to chose the applications needed. Click on “Next”

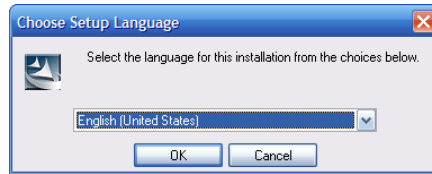


8. Keep default location for the software program. Click “Next”

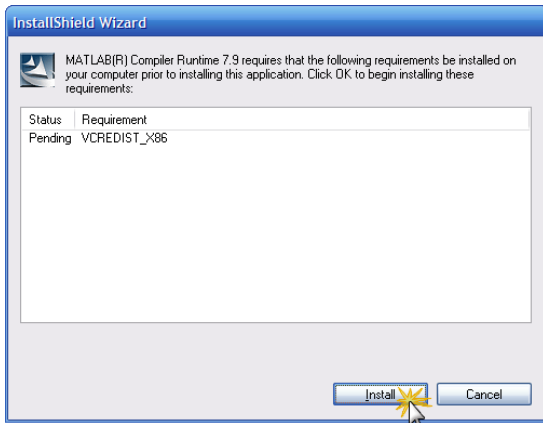


9. Click “Next” to begin installing speaker drivers

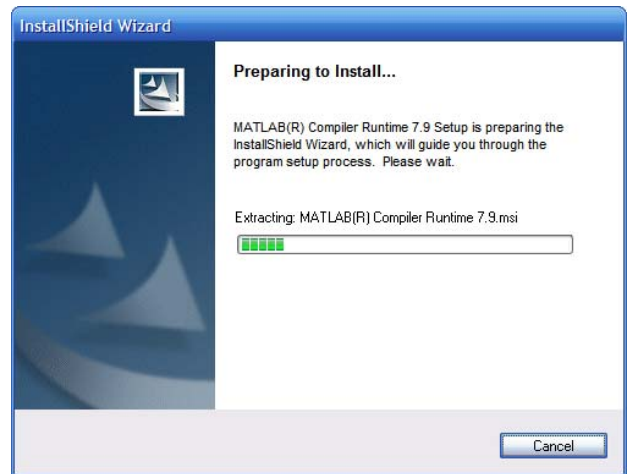
# MATLAB Installation



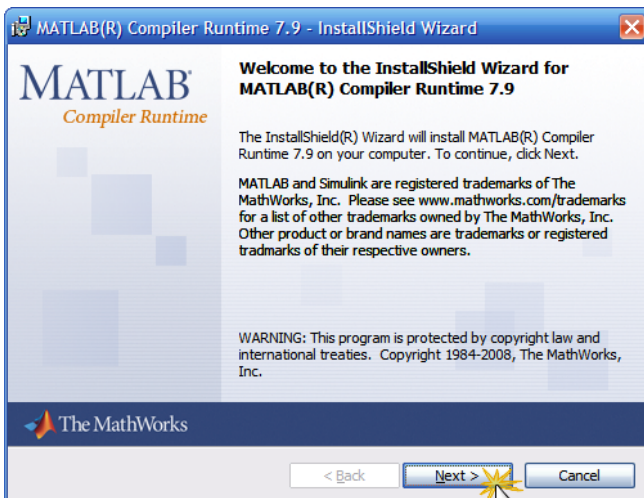
10. Select language, click “OK”



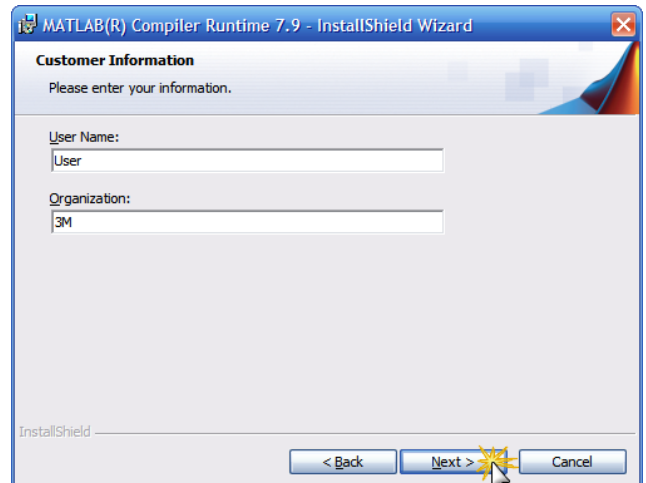
11. Click “Install”



12. MATLAB prepares to install

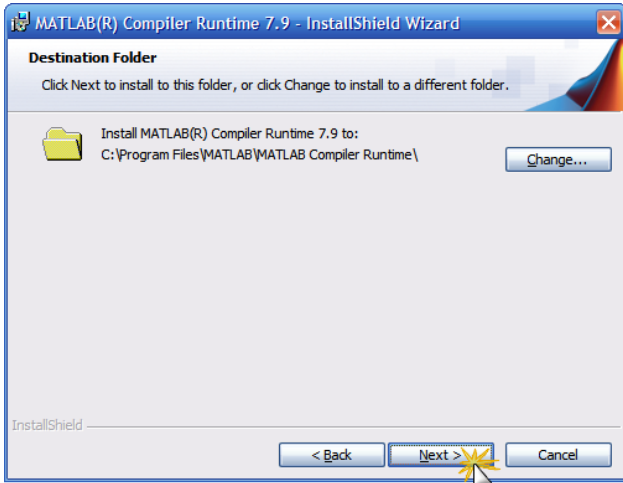


13. Begin installation wizard by clicking “Next”

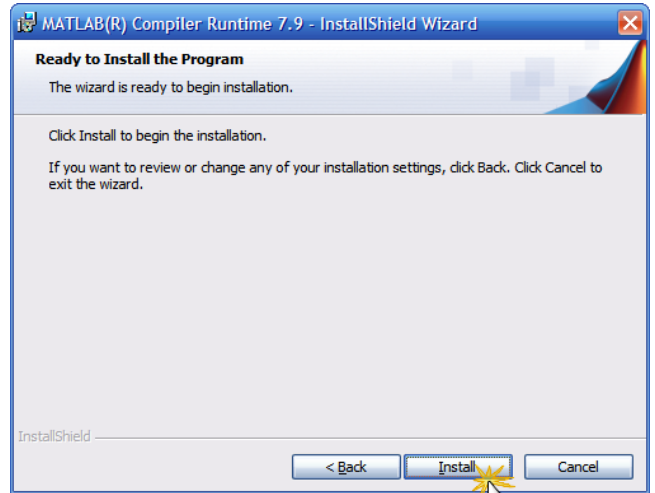


14. Enter User Name & Organization (optional). Click “Next”

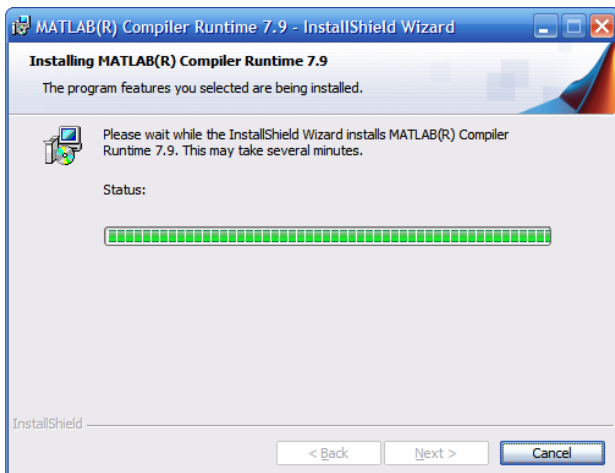




15. Allow the program to save to the default destination folder, click “Next”



16. Begin installation, click “Install”

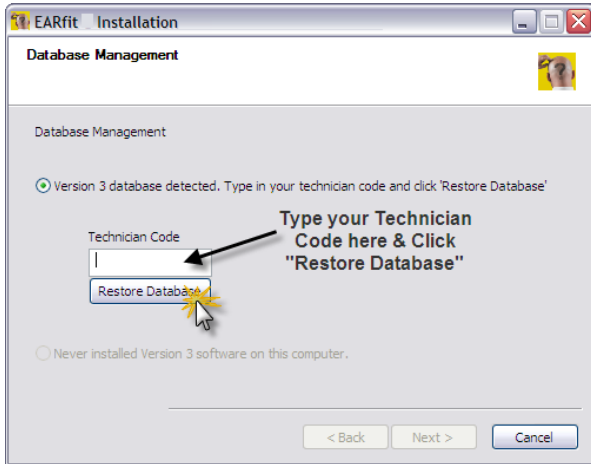


17. Installation begins and may take several minutes

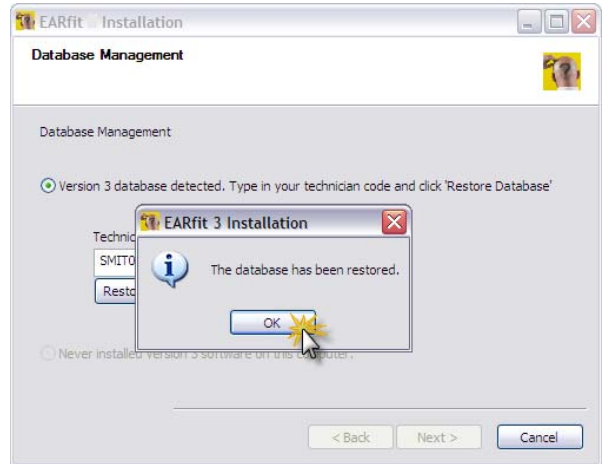


18. Once Installation has completed, click “Finish”

# Database Restore



19. Type in your Technician Code, click “Restore Database”



20. Click “OK”

```
cd:\docume~1\psmith\locals~1\temp\rarsfx1\Files\DatabaseUpdateTool.exe
Password is already updated!
Configuration key is done
Crypting already done!
Update lbs done
Update boo_uploaded done
Update int_outcome_binaural done
Set int_outcome_binaural=0 done
Clear/Add language done!
Add int_reports_message.id done!
Add products done!
Modify Fax length!
Add e_pollution_data done!
Add iCountingStyle done!
Update iCountingStyle done!
```

21. DOS window appears then disappears if successful; no action needs to be taken during this step

# Finalizing E-A-Rfit Installation

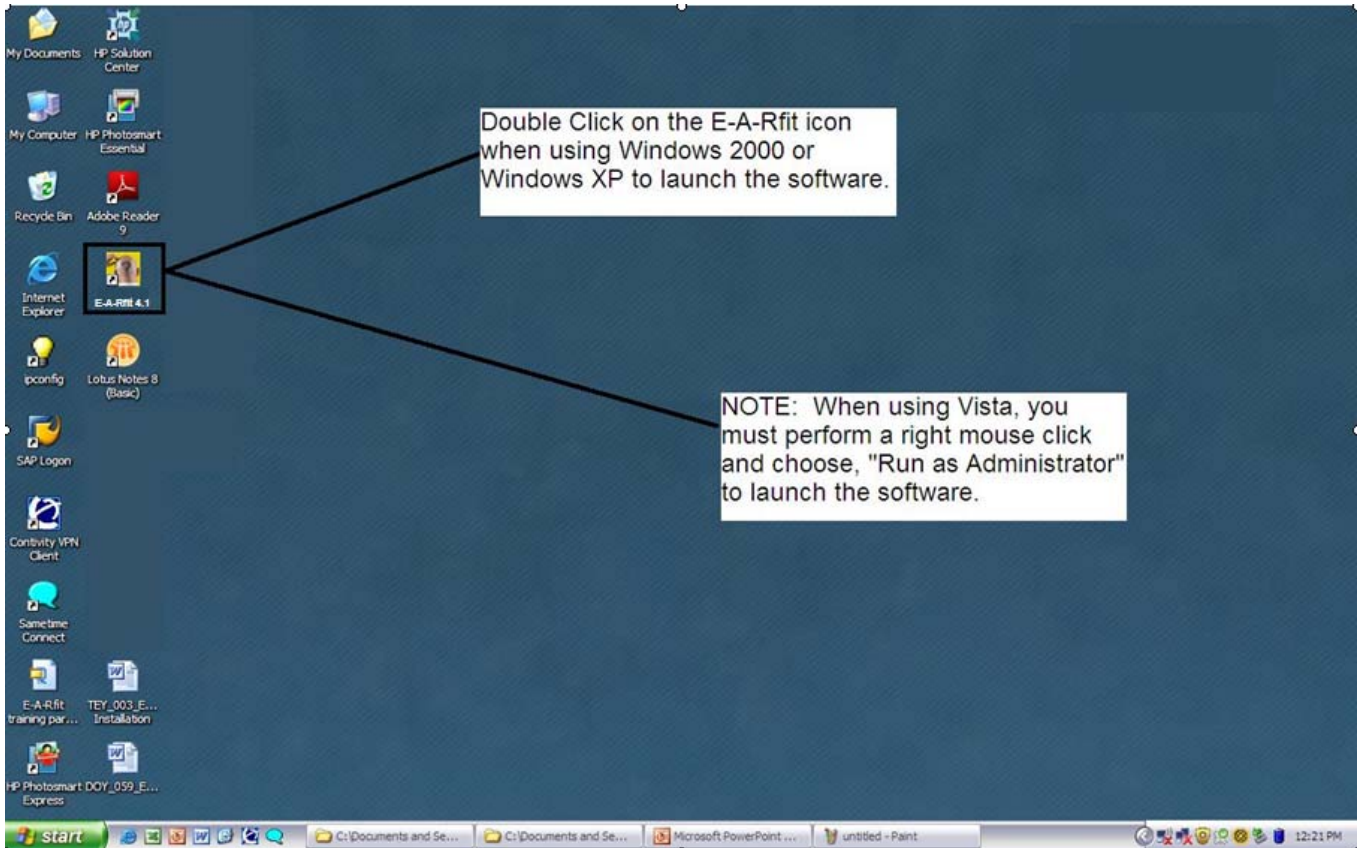


22. When you receive a message indicating that the E-A-Rfit setup has been successful, click “Finish”



23. Reboot the computer? Click “Yes”

# E-A-Rfit Start-Up



*If you need technical support, please contact the 3M OH&ESD Technical Support Hotline at 1-800-243-4630, option 1, option 3, then option 4.*

# Annex A

## IT Minimum Requirements

Processor:	Intel Pentium IV or AMD
Processor Speed:	1 GHz (2.4 GHz recommended)
RAM:	512 MB (1 GB recommended)
Screen Resolution:	1024 X 768
Operating System:	Windows 2000, XP or <b>Vista (requires run as administrator)</b>
Free Disk Space:	120 MB
USB Port:	1 USB V1.1
Internet Access:	Dialup 56 Kbps but Cable or DSL preferred (Required for Account Creation and optional Data Synchronization)
Installation Drive:	CD-ROM or DVD drive

# Software Communication Requirement

## **Purpose:**

The E-A-Rfit software has two operations that require the computer to communicate to the 3M server through the internet. The two operations are Account Creation & Data Synchronization (*optional*).

## **Communication Objectives for Software Operations**

- A local account must be created on each PC installed with the E-A-Rfit™ software in order to have access to all of the features. **Account Creation** is required only once for each Technician on each PC.
- Uploading your E-A-Rfit™ data\* to the 3M server allows 3M to provide you more support (backup and archiving of your data) & more features (custom reports for a specific job, detailed statistical analysis, etc.). **Data Synchronization** is optional

## **Requirements for successful connection**

The software uses a Destination IP and Destination Port to connect to the DB and the computer local port is a random one provided by Windows. If security is based on blocking traffic from Local Ports, Destination Ports, Destination IP, the software will not be able to connect.

Please make sure that the following information is fulfilled for successful connection:

Local Port Open: Randomly created by Windows. (No action required)

The communication is not blocked to the following address and port:

Destination Address: datacenter.earfit3m.com

Destination Port: 80 or 3306

## **Extra Steps for successful connection**

- Disconnect any VPN connection
- Temporarily disable your Windows firewall and/or Virus Protection for the duration of the communication
- Allow or Create a rule on the Local Firewall – if exists - to allow the software to successfully communicate with the 3M database (DB).
- Through the IT Administrator, Allow or Create a rule on the External Firewall “Company’s Firewall” to allow the software to successfully communicate with the 3M DB.

## **Alternative methods that can be used:**

- Connect via a dialup internet connection or internet air card rather than the existing broadband connection.
- Connect PC outside of the Company intranet
- Database can be assembled & Account Created “offline”

Please have your company IT personnel contact the 3M OH&ESD Technical Support Hotline at 1-800-243-4630 and then select option 1, option 3, then option 4 if you require assistance.

