

# IBM ViaVoice<sup>TM</sup> Standard Millennium Readme

## Release 7.0, 30-Day Trial Version

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This Readme contains the latest information on ViaVoice Millennium. Please familiarise yourself with this Readme. Before calling Technical Support, you should review this Readme if you have a question that is not covered in the "Improving Your Voice Recognition" Help file and other Help files found in Information Central, or the User's Guide. Note: Before using this information and the product it supports, read the general information under Trademarks and Notes.

### 1. Installation Notes

- If the time has expired for this 30-day trial version or you want to install your previous ViaVoice speech product, you must first uninstall this 30-day trial version. Then you can re-install your previous ViaVoice speech product.
- If you install ViaVoice Millennium over a previous ViaVoice continuous-speech product, the installation program migrates your personal speech data from the previous product to ViaVoice Millennium. Speech data such as added words, dictation and navigation macros, and your personal vocabulary (language model) are migrated to ViaVoice Millennium. However, your ViaVoice enrolments are not migrated and cannot be used by ViaVoice Millennium. You will be asked to run the Analyse My Voice Wizard and create a new Voice Model.
- If you plan to install more than one language version of ViaVoice Millennium on your computer and one of the language versions is US English, install the US English version first. Then install the other language version(s).
- Before you install ViaVoice Millennium on a computer that has a discrete-speech product (speaking with pauses between words) installed such as VoiceType<sup>®</sup> 3.0.x or Simply Speaking, be sure that you manually uninstall the discrete-speech product first. You must back up and save your User data prior to uninstalling, if you think you will want to install the discrete-speech product again. Your discrete VoiceType enrolments, personal speech data, and User data cannot be used by ViaVoice Millennium and they will not be saved. You will be asked to run the Analyse My Voice Wizard to create a new User and Voice Model.
- If you have already installed a ViaVoice Millennium product on your computer, you should have created a User and Voice Model. However, if you have User data for ViaVoice 98 on another computer that you created prior to installing ViaVoice Millennium, you may want to migrate your personal speech data so you can use it with the current product. Speech data such as added words, dictation macros, and your personal vocabulary (language model) are migrated to ViaVoice Millennium. Backup the User data from the previous product, using diskettes, from **ViaVoice Options** by selecting the **Backup** button on the **User** tab. Restore this User data on the computer with ViaVoice Millennium installed from **ViaVoice Options** by selecting the **Restore** button on the **User** tab. Your ViaVoice enrolments are not migrated and cannot be used. You will be asked to run

Analyse My Voice Wizard to create a new Voice Model.

- If you install ViaVoice Millennium over Olympus<sup>®</sup> ViaVoice Transcription or other dictation software based on ViaVoice, and then uninstall ViaVoice Millennium, and you want to continue using your other dictation software (such as Olympus ViaVoice Transcription), you must uninstall the other dictation software, then reinstall it in the same directory. Your personal dictation data (added words, enrolments, etc.) will be saved.

## 2. Uninstallation Notes

- To uninstall this 30-day trial version, follow these instructions:
  1. Click the **Start** button, point to **Settings**, and then click **Control Panel**.
  2. In **Control Panel**, double-click the **Add/Remove Programs** icon.
  3. Select **IBM ViaVoice Standard** from the list and click the **Add/Remove** button.
  4. Follow the on-screen instructions to complete the uninstallation.

## 3. Minimum System Requirements

### **Windows<sup>®</sup> 95/98:**

- Intel<sup>®</sup> Pentium<sup>®</sup> 166MHz with MMX<sup>™</sup> and 256K L2 cache (or equivalent) (including AMD-K6<sup>®</sup> 200MHz or AMD-K6 with 3DNow!<sup>™</sup>, each with 256K L2 cache)
- 48MB of RAM in total
- 290MB of available hard disk space
- Display mode set to 256 colours or higher is recommended
- A Windows 95/98 compatible 16-bit sound card of good recording capability (with a microphone input jack)
- Quad-speed CD-ROM drive or faster

### **Windows NT<sup>®</sup> Workstation 4.0 with Service Pack 4:**

- Intel Pentium 166MHz with MMX and 256K L2 cache (or equivalent) (including AMD-K6 200MHz or AMD-K6 with 3DNow!, each with 256K L2 cache)
- 64MB of RAM in total
- 290MB available hard disk space
- Administrator authority is required to install and use this program
- Display mode set to 256 colours or higher is recommended
- A Windows NT compatible 16-bit sound card of good recording capability (with microphone input jack)
- Quad-speed CD-ROM drive or faster

## 4. WHAT'S NEW IN VIAVOICE MILLENNIUM From previous versions

As a result of usability testing and user feedback, ViaVoice Millennium contains many new and improved features from previous versions of IBM ViaVoice and IBM VoiceType products. If you are a prior user of these IBM speech products, you will likely go through a transition period as you forget your old habits and learn the new ways of ViaVoice Millennium. Please refer to the ViaVoice Millennium Edition User's Guide for further information on how to use these features.

- **Feature Comparison by Version:**

**ViaVoice 98 Old Features:**      **ViaVoice Millennium New Features**

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Enrolment	Analyse My Voice
Vocabulary Expander	Analyse My Documents
Vocabulary Manager	Manage My Vocabulary
VoiceCentre page of ViaVoice Options	VoiceCentre Options
Multimedia Tours	What Can You Teach Me Assistance

- ViaVoice Wizards - User Wizard, Audio Setup, Analyse My Voice, Analyse My Documents and Recognition Wizard:** The ViaVoice Millennium User Wizard guides you through the steps to get started. After setting up your microphone, the Analyse My Voice Wizard walks you through the steps to learn your voice. Enrolments are now called Voice Models and the Analyse My Voice Wizard replaces the Enrolment program. The Analyse My Documents Wizard, which replaces the Vocabulary Expander program, then guides you through the steps to create a personal vocabulary by analysing your existing documents so that ViaVoice can learn more about your individual writing style.  
 Many of the tools from previous ViaVoice products (such as Enrolment or Vocabulary Expander) are now wizards that guide you through the steps to getting the job done. You will also find a new wizard to help you solve recognition problems.
- VoiceCentre:** You will notice that ViaVoice Millennium has a brand new look. VoiceCentre has been improved, allowing you to dock it directly onto your programs, use an animated ViaVoice Agent to let you know the status of ViaVoice, or even hide the VoiceCentre altogether. Most of the ViaVoice tools programs that were located in the **IBM ViaVoice, Tools** menu have been consolidated into the **ViaVoice** menu in VoiceCentre to make it a single point of reference.
- Some items from the **Installation Tools** menu have been moved. The Uninstall ViaVoice option is accessible from Control Panel under Add/Remove Programs. **ViaVoice Options** is accessible directly from the Control Panel or from the **User Options** menu on the **ViaVoice** menu. The **Register Your ViaVoice Software** option is accessible from the **Help** menu on the **ViaVoice** menu.
- Features to Improve Dictation Accuracy:** Improved dictation accuracy was an important factor in the development of ViaVoice Millennium. Many new enhancements contribute to the ability to achieve this improved accuracy. For example, it was discovered that many people find it quicker to correct their dictation using the keyboard. So, in ViaVoice Millennium, even if your corrections are made manually, ViaVoice will analyse your document, help you add the new words to your vocabulary, and update your personal vocabulary based on the corrections you made. Other new features include:
  - Updating Your Voice Models** Before you start using ViaVoice for dictation, you read a short story so ViaVoice can learn how you pronounce words. Then ViaVoice monitors your progress as you dictate and correct text. After ViaVoice has accumulated a significant sample of your dictated speech data, you are asked if you would like to process the information to improve your personal voice model. Using this approach, ViaVoice improves your voice model based on the words you chose to dictate rather than having you read some pre-defined text.
  - Analysing Your Documents** After you set up your microphone and teach ViaVoice how you speak, the User Wizard will walk you through the steps to analyse your documents. When you analyse your documents, ViaVoice will adjust to your writing style and search for words that are not currently in the ViaVoice vocabulary. ViaVoice will then ask you if you want to add these words to your personal vocabulary. You can have ViaVoice analyse your documents at any time by selecting the **Analyse My Documents** menu item from the **ViaVoice, Tools** menu. By analysing the way you write and dictate, ViaVoice adapts to your writing style.
- Fast Editing and Correction:** Many people prefer to make corrections by editing the document rather than using the Correction Window. Therefore, ViaVoice Millennium has been designed to learn from your corrections, whether you do them manually or use the Correction Window. If words that are added to the documents manually are not in your personal vocabulary, when the document is saved, ViaVoice will ask if you want to add the new words to your personal vocabulary. ViaVoice then

updates your personal vocabulary with the new words, including the context in which they were used so that the next time these words are dictated, they will be recognised correctly. ViaVoice Millennium allows multiple ways to correct text. When in SpeakPad, say "Correct <text>" to open the ViaVoice Correction Window, where you can choose from a list of alternate words to correct <text>. Another option is to select the words and then type the correct text. You can also select the incorrect words and then re-dictate the correct text. By using this multi-modal approach to correction, we decreased the time it takes to make corrections.

## 5. General limitations

- When using Windows 98 only, if you experience system crashes for files that begin with the letters "OLE", go to the following web site: <http://www.microsoft.com/com> and click the link "Distributed COM (DCOM)". On this page, click the link "Downloads & CD-ROMS", and then click the link "DCOM98 for Windows 98" to download and run the file "DCOM98.EXE". This file contains important updates for Windows 98, which can correct these problems.
- Installing a ViaVoice 98 or earlier version program over ViaVoice Millennium is not recommended. You should uninstall ViaVoice Millennium prior to installing the ViaVoice 98 or earlier version program.
- When backing up or restoring a user using Windows 95/98, the speech bubble graphic may stop moving for a couple seconds and then begin to move again. However, the system is still performing the backup/restore function and it will be completed properly.
- When backing up or restoring a user that you have saved on diskette, you may see an error panel. In that case, press OK, close ViaVoice Options, and restart the procedure.
- The **Docked** tab in VoiceCentre Properties allows you to change the docking behaviour of the VoiceCentre, but does not enable speech-recognition support for the program.
- Installing Olympus ViaVoice Transcription or ViaVoice 98 Transcription over ViaVoice Millennium is not supported (an error message Rc=30 is displayed during installation). If you want to use both products install ViaVoiceTranscription first and ViaVoice Millennium afterwards. If you had both products installed in the wrong order you need to uninstall both and reinstall them in the correct order.
- When you install Lotus<sup>®</sup> SmartSuite Release 9.5 over ViaVoice Millennium, you will see a page fault when you try to start VoiceCentre. To resolve this problem, you must run the Repair program that is included on the ViaVoice Millennium CD. Close all applications on your computer. Go to the **Support** directory on the ViaVoice Millennium CD, and double-click the "REPAIR.EXE" program to start the repair process. After restarting your system, you can start VoiceCentre.
- When installing World Book<sup>™</sup> 99 with ViaVoice over ViaVoice Millennium, you will see the **Add IBM ViaVoice Gold Runtime** message. You must select **Exit** from this message and installation will complete successfully.

### Dictation Limitations

- When using SpeakPad to dictate extremely large files, you may find that the "Auto Find New Words" feature does not work when you close a saved document with new words.
- Before using the SpeakPad 'Send Mail' feature, you must configure your mail application and select that mail application as your default mail/mapi client in order to send your document successfully.

## Audio Limitations

- Turn off the microphone before starting programs that use the sound card. Some programs cannot correctly detect that the sound card is in use and display the appropriate message to close any other programs currently using the sound card. If you run programs that use the sound card, such as Greetings Workshop or other multimedia programs or games, we recommend that you turn the VoiceCentre microphone off when you are using these programs.
- If you have a SoundBlaster 16, SoundBlaster Live!<sup>®</sup>, or SoundBlaster PCI 128 sound card, turn on **AGC (Auto Gain Control)**. In case of SoundBlaster PCI 128, also turn on **Microphone Boost**. You obtain better recording quality if the **AGC** check box is set as follows:
  - 1) Right-click the Volume (speaker) icon in the system tray located at the right of the Taskbar, and then click **Volume Controls**.
  - 2) Click **Options** and then click **Properties**. Select **Recording**, make sure the **Microphone volume control** check box is selected, and click **OK** to display the Recording Control window.
  - 3) Click **Options** and make sure the **Advanced Controls** check box is selected. Then click **Advanced** in the Microphone column of the Recording Control panel and select the **AGC** or **Auto Gain Control** check box (and **Microphone Boost** for SoundBlaster 128), and close the Advanced Controls for Microphone panel.
- If you have a SoundBlaster AWE 64 sound card or certain Crystal sound cards, turn off **AGC (Auto Gain Control)** or **Microphone Boost**. You must clear the **AGC** or **Microphone Boost** check box before running Audio Setup. If you run Audio Setup with the **AGC** or **Microphone Boost** check box selected, run it again after you first clear the check box as follows:
  - 1) Right-click the Volume (speaker) icon in the system tray located at the right of the Taskbar, and then click **Volume Controls**.
  - 2) Click **Options** and then click **Properties**. Select **Recording**, make sure the **Microphone volume control** check box is selected, and click **OK** to display the Recording Control panel.
  - 3) Click **Options** and make sure the **Advanced Controls** check box is selected. Then click **Advanced** in the Microphone column of the Recording Control panel and clear the **AGC/Auto Gain Control** or **Microphone Boost** check box, and close the Advanced Controls for Microphone window.
- A compatibility issue has been reported with the device driver for the SoundBlaster Live! sound card for Windows NT. Due to this problem, ViaVoice is not supported for use with this sound card on Windows NT. Please refer to the ViaVoice web site, [http://www.software.ibm.com/speech/support/support\\_tested.html](http://www.software.ibm.com/speech/support/support_tested.html), for the latest information regarding hardware compatibility.
- If you encounter a problem or error during the processing of your Voice Model, you should restart your computer. When you run **IBM ViaVoice VoiceCentre**, click **Restart** on the message that is displayed to continue processing and successfully complete the analysis of your voice.
- When installing ViaVoice Millennium on a computer with other ViaVoice-based speech programs, you may find that the microphone does not work when you try to use that ViaVoice-based speech program. You should run Audio Setup to resolve this problem.
- A problem has been reported with the line-in driver for the Turtle Beach sound cards for Windows 98 only. Due to this problem, you cannot use a line-in device for this sound card with ViaVoice.
- If you find that your audio quality is poor after you try to read the text several times on the "Adjusting the Microphone Level" page in the Audio Setup Wizard, you may have an older version of the audio

device driver for your sound card. To solve this problem, you must download and install the latest audio device driver for your sound card from your PC manufacturer's web site before you call technical support.

- If you find that during the Audio Setup Wizard you cannot hear the playback because the sound is muted, you may have an older version of the audio device driver for your sound card. To solve this problem, you must download and install the latest audio device driver for your sound card from your PC manufacturer's web site before you call technical support.
- If you are using the ESS Solo PCI sound card, you may find that during the Audio Setup Wizard you cannot hear the playback because the sound is muted. To solve this problem, you must download and install the latest audio device driver for this sound card. Go to the IBM web site: <http://www.pcco.ibm.com/qtechinfo.htm> and then type "IBM PC Drivers" in the search field and click **go**. On the Search Results page, click the link for IBM PC Drivers. Click the family name from the list and then on the machine family support page, scroll down the page and click the link "Device Driver File Matrices". Scroll down the page and click your machine type. Click the file name that corresponds to your driver type and operating system and follow the instructions to download and install the updated audio device driver.
- The **Mute** check box for wave files in Volume Controls gets checked for the ESS1887E Plug and Play sound card each time Audio Setup is run, so some playbacks cannot be heard. If this happens, go to the Volume Controls and uncheck the **Mute** check box for wave files.

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