

DRC

Disability Resource Center

Adaptive Technology Manual

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Version 16.0

JAWS for Windows

JAWS, Job **A**ccess **W**ith **S**peech, is the world's most popular screen reader, developed for computer users whose vision loss prevents them from seeing screen content or navigating with a mouse. JAWS provides speech and Braille output for the most popular computer applications on your PC.

Features

- Two multi-lingual synthesizers: Eloquence and Vocalizer Expressive
- Talking installation
- Built-in free DAISY Player and full set of DAISY-formatted basic training books
- Works with Microsoft Office, Internet Explorer, Firefox, and much more
- Supports Windows 8, including touch screens and gestures
- Support for MathML content presented in Internet Explorer that is rendered with MathJax
- Fast information look-up at your fingertips with Research It
- Convenient OCR feature provides access to the text of PDF documents, even those with scanned images that are reported as empty documents by screen readers
- Save time with Skim Reading
- The only Windows screen reader to provide contracted Braille input from your Braille keyboard
- Fully compatible with MAGic, screen magnification software, and OpenBook, scanning and reading program

Advanced Features

- JAWS Tandem available for free to help with support and training
- Optional support for Citrix, Terminal Services, and Remote Desktop
- Powerful scripting language to customize the user experience on any application
- Includes drivers for all popular Braille displays
- Includes voices for over 30 different languages
- Distributed worldwide with local sales and support in most countries

Minimum Requirements

Processor speed	Minimum 1.5 GHz processor
Memory (RAM)	4 GB recommended (64-bit) 2 GB recommended (32-bit)
Required hard disk space	20 MB to 690 MB required per voice for installing Vocalizer Expressive, Vocalizer Direct, or RealSpeak Solo Direct voices (file sizes will vary depending on the voice installed)

Video	A display adapter capable of at least 800 x 600 screen resolution with 16-bit color (1024 x 768 screen resolution with 32-bit color recommended)
Sound	Windows compatible sound card (for speech)

JAWS Help System

Using the JAWS Help system is quick and easy. To start JAWS Help, press INSERT+J to switch to the JAWS window, press ALT+H to open the Help menu, and choose JAWS Help Topics.

When you first open JAWS Help, the Table of Contents appears on the left side of a split window. The Table of Contents lists a number of books and pages. Books are categories that contain pages. The pages are topics containing information. Use the UP and DOWN ARROW Keys to move through the Table of Contents. Use RIGHT ARROW to open a book and LEFT ARROW to close a book. Press ENTER on a selected page to display the text of that topic and then press F6 to move to the topic window. Press F6 again to return to the Table of Contents, or press ALT+C to return to the Table of Contents from any section of the help system. Use CTRL+TAB to access the Index and Search tabs in the Help system. In almost all Windows applications, you can press F1 to open Help for that application. This is also true in the JAWS window and in the JAWS Managers (INSERT+F2), such As Keyboard Manager.

Description	Command
Say Prior Character	LEFT ARROW
Say Next Character	RIGHT ARROW
Say Character	NUM PAD 5
Say Character Phonetically	NUM PAD 5 twice quickly
Say Prior Word	INSERT+LEFT ARROW
Say Next Word	INSERT+RIGHT ARROW
Say Word	INSERT+NUM PAD 5
Spell Word	INSERT+NUM PAD 5 twice quickly
Say Prior Line	UP ARROW
Say Next Line	DOWN ARROW
Say Current Line	INSERT+UP ARROW
Spell Current Line	INSERT+UP ARROW twice quickly
Say Prior Sentence	ALT+UP ARROW
Say Next Sentence	ALT+DOWN ARROW
Say Current Sentence	ALT+NUM PAD 5
Say to Cursor	INSERT+HOME
Say from Cursor	INSERT+PAGE UP
Spell to Cursor	INSERT+HOME twice quickly
Spell from Cursor	INSERT+PAGE UP twice quickly
Say All	INSERT+DOWN ARROW
Fast Forward during a Say All	RIGHT ARROW
Rewind during a Say All	LEFT ARROW
Say Color	INSERT+5
Say ASCII or Hexadecimal Value	NUM PAD 5 three times quickly
Say Font	INSERT+F, twice quickly to display in virtual viewer
Start Skim Reading	CTRL+INSERT+DOWN ARROW
Skim Reading dialog box	CTRL+INSERT+SHIFT+DOWN ARROW
Display Skim Reading Summary	INSERT+WINDOWS Key+DOWN ARROW
Copy Selected Text to FSClipboard	WINDOWS Key+C



ZoomText Xtra

Version 10.1

ZoomText Xtra 10.1

ZoomText Magnifier/Reader is a fully integrated magnification and screen reading program that enlarges, enhances and reads aloud everything on the computer screen.

Features crystal clear xFont magnification, customizable enhancements to on-screen colors, pointers, and cursors, complete screen reading, easy to use document reading tools, and so much more.

Features

Complete Screen Reading

ZoomText automatically speaks all program controls, including menus, dialogs, list views and messages. Three verbosity levels give you complete control over the amount of information spoken.

'NeoSpeech' Synthesizer Voices

NeoSpeech provides human-sounding male and female voices that are closer to the real thing than ever before (English only). ZoomText also includes classic TruVoice and Microsoft speech synthesizers.

Automatic Document Reading

ZoomText's AppReader automatically reads documents, web pages and email within the parent application. ZoomText's DocReader reads documents in a special environment where text is reformatted for easier viewing.

ZoomText Recorder

The ZoomText Recorder allows you to turn text from documents, webpages, email, etc. into audio recordings that you can transfer to on your mobile device and listen to at your convenience. Recordings can be saved directly to a ZoomText Recorder playlist in iTunes or Windows Media Player and automatically synced to your mobile device.

ZoomText Background Reader

ZoomText's Background Reader allows you to listen to documents, webpages, email, etc. while you simultaneously perform other tasks. You simply select the text you want to listen to and press the Background Reader hotkey, Background Reader begins reading the text while you go about other work. At any time you can pause and resume reading and skim forward and backward by word or sentence.

Reading Zones

Reading Zones allow you to instantly see and hear selected locations in your applications. Define up to 10 zones per application that you can trigger via pop-up menu or keyboard commands.

Full Internet Accessibility

ZoomText reads any web page, in the proper reading order. You can read automatically or manually navigate by word, line, sentence and paragraph.

Text Navigation

Navigation keys make it easy to read while creating and editing documents. With simple commands you can read by character, word, line, sentence and paragraph, even while selecting text.

Typing Echo

Each key or word that you type is automatically spoken. You can choose to have all keys spoken or only selected groups of keys.

Mouse Echo

Mouse echo automatically reads text that you point to. Single words or complete lines of text are spoken instantly or after hovering briefly.

SpeakIt Tool

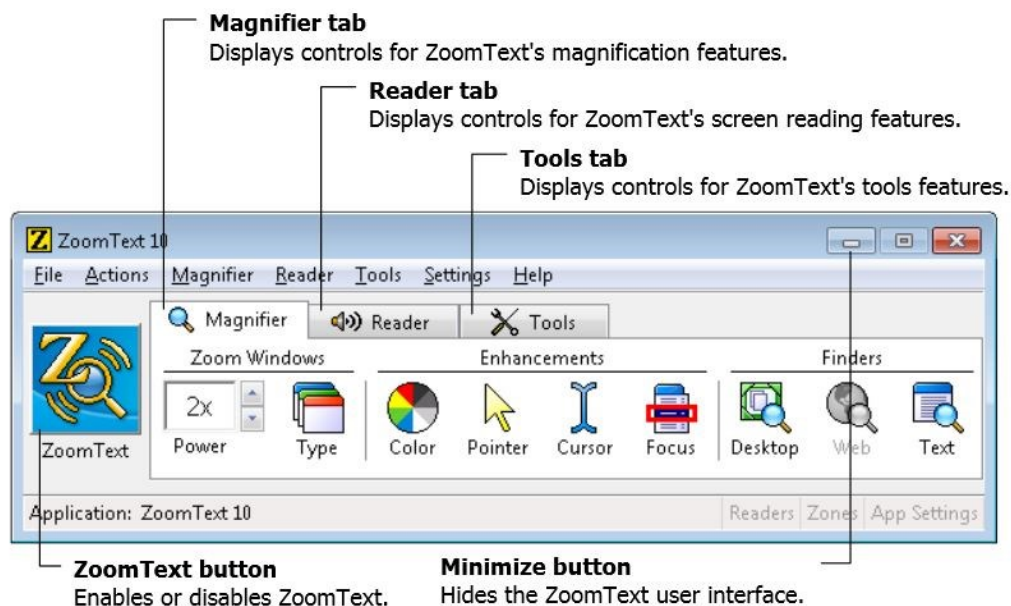
The SpeakIt tool allows you to read selected areas of the screen by clicking or dragging the mouse.

Minimum Requirements

- Windows 7, Windows 8 or 8.1
- Processor: 2 GHz single core or 1 GHz dual core
- Memory (RAM): 2 GB
 - Recommended: 4 GB or higher
- Graphics card with support for DirectX 9.1 or above
 - Recommended: DirectX 10 or later
 - Recommended: 256 MB dedicated video memory
- Hard disk space: 100 MB for US English, 350 MB for International versions
- 5-point multi-touch display required for ZoomText Touch Mode support
- USB 2.0 (for ZoomText Camera support)

Say Previous Word	CTRL + LEFT, OR LEFT
Say Current Word	CTRL + NUMPAD 5, OR SPACEBAR
Say Next Word	CTRL + RIGHT, OR RIGHT
Say Word Above	UP
Say Word Below	DOWN

Say Previous Sentence	CTRL + ALT + LEFT
Say Current Sentence	CTRL + ALT + NUMPAD 5
Say Next Sentence	CTRL + ALT + RIGHT
Say Previous Paragraph	CTRL + UP
Say Current Paragraph	CTRL + SHIFT + NUMPAD 5
Say Next Paragraph	CTRL + DOWN
Say First Word On Line	HOME
Say Last Word On Line	END
Previous Page	PAGE UP
Next Page	PAGE DOWN
Beginning of Document	CTRL + HOME
End of Document	CTRL + END
Next Link	TAB
Previous Link	SHIFT + TAB
Execute Link	CTRL + ENTER





NaturalReader

Version 13.0

NaturalReader

NaturalReader is a Text to Speech software with natural sounding voices. This easy to use software can convert any written text such as MS Word, Webpage, PDF files, and Emails into spoken words. NaturalReader can also convert any written text into audio files such as MP3 or WAV for your CD player or iPod.

NaturalReader has many other functions, such as OCR. OCR function works with your scanner to convert printed characters into digital text and it is up to 99% accurate. This allows you to listen to your printed file or edit it in a word-processing program.

Features

- 2 naturally sounding voices
 - NaturalReader Mac has a great selection of natural-sounding voices
- Text-to-Speech
 - Written text is turned into natural sounding speech, while words are highlighted as they are read.
- Convert to Audio
 - It can also convert any written text into audio files for your CD player or iPod.
- Floating bar
 - Floating bar offers another option for you to listen to text on your original web or file page.
- Changing reading voices and adjust speed
 - A speaker menu and speed control slider is available.
- One-click technology
 - You don't have to copy and paste text as with other text-to-speech software. Just select any text and press one hot key, and our software will read it to you.
- Pronunciation Editor
 - NaturalReader can change the pronunciation of words and allows you to easily add new abbreviations.



DRAGON

NATURALLY SPEAKING

Version 13

Dragon Naturally Speaking

Dragon Naturally Speaking 13 Premium is perfect if you want a robust speech recognition solution that enables you to accomplish more on your computer in less time by talking instead of typing so you can realize your potential at work, school or home. It lets you dictate documents naturally with up to 99% accuracy and control your computer and applications using simple voice commands for significant productivity gains and reduced stress and strain on your arms, neck or back.

Whether you're a student, teacher, professor, self-employed worker, writer/blogger, consultant or anyone who spends a lot of time on a computer, you can use Dragon speech recognition to complete everyday tasks or large work projects faster than you ever thought possible.

Dragon makes it easy to:

- Dictate, edit and format letters, articles, papers, essays, spreadsheets, presentations, reports and more — all by voice
- Search the Web to find facts, figures and images for inclusion in assignments and documents
- Take voice notes on the go by dictating into a digital voice recorder or smartphone for later transcription
- Enter frequently used text or graphics into a document with a simple voice command
- Email professors, colleagues, friends and family by dictating, editing and sending messages using your voice
- Speak into a chat client instead of typing to collaborate with peers on projects or to communicate with friends and family
- Talk to fill out online applications, registration forms, shopping check-out fields and more
- Enter and check class schedules, client meetings, kids' activities and other calendar appointments by voice
- Update your status and check what's new on social media like Facebook and Twitter
- Multitask by interacting with your computer hands-free to fit more in your busy day.

Minimum Requirements

- RAM: Minimum 2 GB for 32-bit Windows 7, 8 & 8.1; 4 GB for 64-bit Windows 7, 8 & 8.1 and Windows Server 2008 R2, Windows Server 2012
- CPU: Minimum 2.2 GHz Intel dual core or equivalent AMD processor. Faster processors yield faster performance.
- Free hard disk space: 4GB
- Supported Operating Systems: Windows 7, 32-bit and 64-bit; Windows 8 & 8.1, 32-bit and 64-bit; Windows Server 2008 R2; Windows Server 2012
- Internet Explorer 9 or higher or the current version of Chrome or Firefox for Online Help

- A sound card supporting 16-bit recording
- A DVD-ROM drive for installation
- A Nuance-approved microphone. See support.nuance.com/compatibility for more information

DRAGON VOICE SHORTCUTS

COMMAND TYPE	EXAMPLE COMMAND	WHAT HAPPENS
Search the Web. (default search engine)	"Search the Web for Italian restaurants in Boston."	Your default Web browser opens and displays the results of the default search engine on the given keywords.
Search specific Web sites.	"Search eBay for waffle iron."	Your default Web browser opens and displays the results of searching eBay for the given keyword(s). Dragon NaturallySpeaking 10 supports this feature for the following Web sites: <ul style="list-style-type: none"> • eBay • Amazon.com • About.com • Answers.com • Creative Commons • Wikipedia • YouTube
Find the top Web site from Google's "I'm feeling lucky".	"Find a site about weather."	Your default Web browser opens and displays Google's top-ranked page for the given keyword(s).
Search the Web with a specific search engine.	"Search Yahoo for movies in Boston."	Your default Web browser opens and displays Yahoo's search results for the given keywords. Dragon NaturallySpeaking 10 supports this feature for the following search engines: <ul style="list-style-type: none"> • AltaVista • AOL Search • Ask.com • Google • Microsoft Live Search • Yahoo!
Search the Web for a specific type of information.	"Search video for JFK inaugural address."	Your default Web browser opens and displays the results of a search on the given keywords in your default search engine's video category. Valid search categories are: <ul style="list-style-type: none"> • Search (images pictures photos) for <XYZ> • Search (video movies) for <XYZ> • Search (news events) for <XYZ> • Search (products shops) for <XYZ> • Search (maps places) for <XYZ>

QUICK VOICE FORMATTING

TO...	SAY...
Delete the specified text or a range of text.	Delete <text> Delete from <text> to <text> Delete <text> through <text>
Cut the specified text or a range of text.	Cut <text> Cut from <text> to <text> Cut <text> through <text>
Copy the specified text or a range of text.	Copy <text> Copy from <text> to <text> Copy <text> through <text>
Bold the specified text or a range of text.	Bold <text> Bold from <text> to <text> Bold <text> through <text>
Italicize the specified text or a range of text.	Italicize <text> Italicize from <text> to <text> Italicize <text> through <text>
Underline the specified text or a range of text.	Underline <text> Underline from <text> to <text> Underline <text> through <text>