

Sensory Readable Suite

Computer Reading Assistant for Windows
Functional Performance Specification

Version 3



Sensory Readable Suite for Windows includes Sensory Readable, Sensory Ruler, Sensory Tint, Sensory Markers, Sensory PDF Reader & Sensory PDF Convert

What's New in Sensory Readable v3

- **Universal reading**

Speech and word-by-word tracking now work in any Windows application — including text inside images, locked or scanned PDFs and remote desktop sessions — using the new Readable Live Layer.

- **Readable Banner**

A scrolling reading display, synchronised with speech, that shows the current word highlighted within its surrounding context.

- **Word Information popup (Ctrl+Shift)**

Instant offline definition, pronunciation and pictogram from a 147,000-word dictionary, in any app.

- **Wider voice choice**

Twelve new Sensory Everyday voices (offline) in UK and Irish accents, with free downloadable voice packs. The Microsoft Natural Voices carry over from v2.5.

- **6 Sensory Fonts**

Six dyslexia-friendly typefaces installed system-wide, available in every application's font picker.

- **Sensory Prediction Engine**

Sensory's own learning-based word prediction, tuned for dyslexic readers and language learners.

- **New keyboard shortcuts**

Ctrl+Space reads from the pointer to the end of the document, and F7 toggles play/stop.

- **Improved Save to Audio & PDF Convert 2**

MP3 export from any selected text or clipboard at higher quality; the Suite now includes the upgraded PDF Convert 2 (OCR to PDF, TXT, RTF or DOCX).

Readable – Reading Support Tools 2

Readable Function	Microsoft Word	Microsoft Edge	Chrome Browser	All Apps & Win System	Sensory PDF Reader / Convert
Universal on-screen reading via text recognition (images, locked / scanned PDFs, remote desktop) NEW	✓	✓	✓	✓	
Word Information popup – Ctrl+Shift hover (definition, pronunciation, pictogram) NEW	✓	✓	✓	✓	
Speak accessible PDF files (select)	✓	✓	✓	✓	✓
Advanced background reading – listen and type or browse	✓	✓	✓	✓	
Web reading with no browser extension required NEW		✓	✓	✓	
Save to MP3 audio – any selected text or clipboard, higher quality NEW	✓	✓	✓	✓	
PDF computer reader with annotation (50–400% zoom, JCQ-compliant)					✓

Readable – Writing Support Tools 1

Readable Function	Microsoft Word	All Apps & Win System
Echo characters and words when typing	✓	✓
Windows 11 Prediction (default) – launch & speak suggestions	✓	✓
Sensory Prediction Engine – learning-based prediction NEW	✓	✓
Autocorrect typing when predicting text	✓	✓
Speaking offline Dictionary (147,000+ words) – now all applications NEW	✓	✓
Speaking offline Thesaurus (110,000+ synonyms) – now all applications NEW	✓	✓
Speaking spell checker (Word native)	✓	
Speaking grammar checker (Word native)	✓	

Readable – Writing Support Tools 2

Readable Function	Microsoft Word	All Apps & Win System	Dragon
Picture Dictionary (2000 symbols)	✓	✓	
Homophone identification	✓		
Voice Typing & Dictation	✓	✓	
Echo Dictation – audio confirmation of dictated speech	✓	✓	
Key Echo – per-keystroke audio	✓	✓	
Custom Pronunciations (Readable Editor)	✓	✓	
AI assistant speech support – Copilot and other AI chat apps (browser & desktop windows)	✓	✓	
Speak Dragon voice training texts	✓		✓
Speaks & underlines text created in DragonPad			✓

Readable – Visual Reading Support

Readable Function	All Apps & Win System
Word Underline – thin coloured line under the spoken word, configurable colour, now universal NEW	✓
Readable Banner – scrolling context window synchronised with speech, configurable font/size/colour NEW	✓
6 Sensory Fonts – dyslexia-friendly typefaces installed system-wide NEW	✓
Spacing and colour adjustments	✓
Ambient Sounds with voice ducking – background sounds that lower automatically while text is spoken	✓

Readable – Viewing Adjustments in Word

Readable Function	Microsoft Word
Change font type with one click (including Sensory Fonts)	✓
Change font size of all text in document	✓
Change line and character spacing	✓
Enable Focus Reading mode with Readable text to speech	✓
Change background colour of Word document	✓

Readable – Viewing Adjustments (All Apps)

Readable Function	All Apps & Win System
Enhanced Reading Ruler with colour	✓
Enhanced Reading Ruler with mono	✓
Enhanced Reading Ruler with invert and night mode	✓
Ruler AutoFit to window width	✓
Synchronised Readable speech and ruler	✓
Enhanced Screen Tint with colour tint	✓
Screen colour vision corrections	✓
Screen Tint mono mode and night mode	✓
Tint & Ruler work over system menus, fully offline	✓

Readable – Text to Speech Voices

Microsoft Natural Voices – carried over

Premium on-device voices from v2.5

- Sonia · UK
- Ryan · UK
- Guy · US
- Jenny · US
- Aria · US
- Neerja · Indian English
- Prabhat · Indian English

Sensory Everyday Voices – new in v3

Offline – no internet connection needed

- Florence
- Jenny
- Gabriel
- Estella
- Ophelia
- Alba
- Elias
- Sterling
- Beryl
- Albert
- Elowen
- Alistair

Hierarchical voice picker grouped by source and accent · Free downloadable add-on voice packs from sensoryreadable.com · Connects to all locally-installed Microsoft SAPI 5 voices · Pronunciation & expansion editor (Readable Editor) · **Fully offline – no cloud, no data leaves the PC**

Readable – Toolbar & Settings

Readable Function	All Apps & Win System
Uses Microsoft Fluency icon set	✓
3 toolbar styles – colour / blue / black icons	✓
Toolbar orientation vertical or horizontal	✓
Small Toolbar – compact variant for minimal screen use NEW	✓
Toolbar position – docks, manual, or Track Window Mode	✓
Direct control from touch screen	✓
Dual monitor support – extended and mirror	✓
Browse Topics – in-app categorised help navigation NEW	✓
Dynamic toolbar adds functions per active app	✓

Sensory Readable Suite – Companion Apps

Sensory Ruler Overlay reading ruler with adjustable band height and opacity; colour, mono, invert and night modes; AutoFit to window width; synchronised with Readable speech.

Sensory Tint Whole- or part-screen coloured tint overlay for visual stress / Irlen-pattern relief; colour-vision corrections; mono and night modes; works over system menus, fully offline.

Sensory Markers On-screen anchors and section markers for navigating and orienting within long documents.

Sensory PDF Reader Standalone reader for accessible PDFs – hover read modes (incl. Section), word highlight, tint, zoom 50–400% and annotations. JCQ-compliant. Reader only (does not OCR).

Sensory PDF Convert 2 OCR tool for scanned / image-only PDFs. Brings in pages by scan, image or PDF and outputs Accessible PDF, Plain Text, RTF or DOCX. New in v3.

Readable Smart Dynamic OCR

On-device OCR at the heart of Readable v3 – automatic recognition, manual capture, and full document conversion:

Readable Live Layer – instant in-place recognition

The recognition engine at the heart of Readable. When on-screen text is only an image – a picture of text, a locked or scanned PDF, a legacy app – Readable recognises it the instant you point at it and reads it aloud, with the underline appearing on the original image. No screenshot, no separate OCR step, no converted copy – recognition, speech and highlight happen together, in place, with no perceptible delay. Triggered by the normal gestures (Ctrl+Shift, Ctrl-hover, Ctrl+Space); it just works, in every Windows app.

Text Extractor – manual region grab

The manual-control companion to Live Layer – drag a box to grab exactly the text you want (a caption, a column, or a scanned page or photo opened in a viewer). Same on-device recognition, so it responds instantly. The text goes to the clipboard and, new in v3, is also spoken with word-by-word underline-highlight while the view stays on the original document (v1/v2: clipboard only).

PDF Convert 2 – document conversion

Turns scanned documents and phone photos into accessible files. Bring in pages by scanning, or opening or dragging in images (JPEG, PNG, BMP, TIFF) or existing PDFs. On-device OCR runs automatically (auto-crop, orientation, deskew, multi-pass, blank-page skip). Save as Accessible PDF, Plain Text, RTF or Word (DOCX).

Content Accessibility – Scanning & OCR

Accessibility capability	Readable (Windows)	PDF Convert 2 (Windows)	Sensory Reader (iOS)	Sensory Magnus (iOS)
Scan a physical document (scanner or camera)		✓	✓	✓
OCR a photo, scan or image to get its text	✓	✓	✓	✓
Recognise text in images / locked PDFs automatically, in place (Readable Live Layer) NEW	✓			
Grab text from a chosen screen region on demand (Text Extractor) NEW	✓			
Speak recognised text aloud with word-highlight, on the original NEW	✓			
Convert a document to accessible output (PDF / TXT / RTF / DOCX) NEW		✓		
On-device OCR – fully offline and private	✓	✓		

Sensory Reader and Sensory Magnus are companion iOS apps, bringing document scanning and OCR to iPhone and iPad.

Readable – Performance & Security

Readable Function	All Apps & Win System
Low footprint installation for the Readable Suite	✓
Fast start up of Readable	✓
Fully offline text to speech – no cloud, no document or clipboard data leaves the PC NEW	✓
No web connection required for installation, no online registration	✓
Optional no-update offline installer for full security	✓
.exe installer (individual) and .msi installer (network / IT-deployed)	✓
Fully signed installers	✓
Approved for UK Disabled Students' Allowance (DSA) funding	✓
Free 30-day trial available	✓

Readable – Recommended Systems

System specifications for the Sensory Readable Suite for Windows

Sensory Readable assistive software integrates and operates with the Microsoft Windows system, Microsoft Office, and other programs open on the PC. It may also need to operate alongside other assistive technology such as screen magnifiers or Dragon speech-recognition dictation software. Sensory App House recommends that users have a computer suitable to perform their study and work whilst being supported by assistive technology. Our recommended minimum specification for the Sensory Readable Suite for Windows is as follows.

Operating system Windows 11

Recommended minimum Intel i5 (or equivalent), 8 GB RAM, 256 GB storage

www.sensoryreadable.com