



# Readiris **PRO**



## USER'S GUIDE



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OCR technology by I.R.I.S.  
Connectionist, AutoFormat and Linguistic technology by I.R.I.S.

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## **SAVE TIME, NO MORE RETYPING!**

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Congratulations on acquiring Readiris. This software package will undoubtedly be of great help in recapturing your texts, tables and graphics.

As efficient as computers are, you have to key in your information first. If you have ever retyped a 15 page report or a large table of figures, you know how tedious and time-consuming it can be. Use this state-of-the-art OCR package to automatically enter text in your applications and you'll acquire an unprecedented level of efficiency and comfort!

Scan a printed or typed document, indicate the zones of interest - or have the system detect them for you - and execute the character recognition. Documents composed of many pages are processed from start to finish in a single effort. A few mouse clicks beat long hours of work as Readiris converts your paper documents into editable computer files: it's up to 30 times faster than manual retyping.

With the automatic mode of operation, the user's effort is reduced to a single click: he initiates the scanning and saves the text result, all intermediate steps are taken care of by Readiris. The wizard guides you through the OCR process comfortably: answer a few simple questions and you'll obtain quick and easy results with Readiris. Not only can you send the reading results directly to your wordprocessor and spreadsheet, thanks to the "Connect" capability, you can even access the OCR function from within your favourite Windows applications! To recognize faxes, you can drag the image files from the Windows Explorer to the Readiris application window. Or right-click on an image to send it promptly to Readiris.

Readiris recognizes tabular data and recreates them as worksheets or as table objects inside your wordprocessor; your numeric data are immediately ready for further processing.

Based on the Connectionist technology from I.R.I.S., Readiris represents the best OCR has to offer. Font-independant feature extraction is complemented by self-learning techniques derived from a proprietary neural network. The system



can learn new characters through context analysis: linguistic knowledge about syllables and words improves the OCR performance.

Readiris supports up to 56 languages: all American and European languages are supported, including the Central-European languages, Greek and the Cyrillic (“Russian”) languages. (Optionally, you can read Japanese and Simplified Chinese.) Readiris even copes with mixed alphabets: the software detects “Western” words that pop up in Greek, Cyrillic and Asian documents - many untranscribable proper names, brand names etc. are written using the Western symbols.

Readiris uses linguistics *during* the recognition phase, not after it. As a direct result, Readiris recognizes documents of all kinds with top accuracy, including low-quality documents, faxes and dot matrix printouts. It copes beautifully with badly scanned and copied documents containing too light or dark font shapes. Joined characters (“ligatures”) are resolved and fragmented forms, such as dot matrix symbols, are recomposed.

User verification in pop-up style not only flags doubtful characters but also increases the system's precision. All solutions confirmed by the user are memorized, increasing speed and confidence as you go along. Using Readiris means rendering it more intelligent each time! This powerful learning tool allows you to train Readiris on special characters such as mathematic symbols and dingbats but also to handle distorted fonts as you will find in real documents.

To increase your productivity further, Readiris not only recognizes your texts, but can *format* them for you as well! Make use of “autoformatting” and Readiris recreates a facsimile copy of the scanned document: the word, paragraph and page formatting of the original document are retained.

Similar typefaces are used, the point sizes and timesteps as used in the source document are maintained across the recognition. The placement of columns, text blocks and graphics follows your original documents. And as Readiris supports greyscale and color scanning effortlessly, you can recapture any graphics - be they lineart, black-and-white photos or color illustrations. When a document contains tables, Readiris reorganizes them in real cells and recreates the cell borders of the original tables.

In other words, Readiris allows you to archive a true copy of your documents, be it editable and compact text files instead of scanned images! Various levels of formatting are available, the choice is up to the user.

Readiris supports a wide range of popular scanners: numerous flatbed scanners, sheetfed scanners and “all-in-one” devices or “MFPs” (“multifunctional peripherals”) can be used. Readiris also supports the Twain scanning standard and some scanning platforms.

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