

# Readiris 6.0

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## 1. Software distribution

This release of the Readiris software is contained on a **CD-ROM** or can be downloaded from the web site of **electronic resellers**.

A trial version can be downloaded from the I.R.I.S. web site ([www.irislink.com](http://www.irislink.com)).

The Readiris **CD-ROM** contains the following software packages:

- Readiris 6.0 (32 bit software)
- Readiris 3.9 (16 bit software) (in folder "Read16")
- Cardiris 1.5 LE (16 bit software) (in folder "Cardiris")
- Some scanner drivers

Note above all that not all software mentioned above is necessarily included in your release. With some software bundles and with the downloadable versions, all “**goodies**” other than the essential Readiris software are *not* included.

To install the **Readiris 6.0** software, simply insert the **autorunning CD-ROM** into your CD-ROM drive and follow the on-screen instructions.

With some **software bundles**, you may have to install the additional software packages by going to the corresponding folder and running the "Setup" program. The downloadable versions equally come with an installer.

Before installing these scanning applications, you should install the software supplied with the **scanner**.

For the **trial version** downloadable from the I.R.I.S. web site, the operation is limited to 30 days. You can purchase a software key from I.R.I.S. to make the software run again.

## 2. New features version 6.0

Refer to the I.R.I.S. web site ([www.irislink.com](http://www.irislink.com)) for full details on the new features of Readiris 6.0. We will limit ourselves here to a short discussion of the “highlights”.

- A new, more powerful **recognition module** yields unparalleled OCR accuracy and a higher speed.

A specific routine for optimized recognition of URLs was also incorporated.

- Newer, more powerful “**autoformatting**” recreates your source documents with higher accuracy.
- Readiris supports **multipage documents**. You can scan batches composed of several pages and recognize these in a single effort.

How does this work? Place the pages in the scanner’s *document feeder* and start scanning. All pages are scanned until the document feeder is empty.

There’s a *page toolbar* below the image to allow navigation, you can “edit” multipage documents by deleting pages and moving pages to another location in the document.

- Readiris supports **greyscale** and **color scanning**.

One obvious advantage is that you can scan a document in color and *maintain* the color or greyscale *graphics* they contain in the output without having to “reduce” them to “crude” black-and-white graphics.

Secondly, some documents are difficult or downright impossible to recognize when scanned in black-and-white. In the “bilevel” mode, every pixel is white or black. When there is text printed on a colored background, the scanner doesn’t always see the difference.

*Scanning in color* solves these cases: when an image has color, there’s usually some difference in intensity that can be picked up. And you don’t have to adjust the brightness, so there’s no risk that the text becomes too light (resulting in broken characters etc.).

- Readiris 6.0 is equipped with **preprocessing** routines to optimize the images before the OCR is executed.

Slanted pages get *deskewed* automatically; “*parasite*” *pixels* (“salt and pepper noise”) get removed from the image.

### 3. When to use Readiris 6.0 and Readiris 3.9

Readiris is supplied in a 32 bit (Readiris 6.0) and a 16 bit version (Readiris 3.9) on the Readiris CD-ROM.

Readiris 6.0 can be used on the **platforms** Windows 2000, 98, Windows 95 and Windows NT 4.0.

You should realize that the **32 bit** version is not only faster than the 16 bit version but offers more **powerful OCR** and has a completely **revised user interface**. The Readiris 32 bit software incorporates I.R.I.S.’ latest OCR kernel - which only runs in 32 bits!

However, in some cases your **scanner driver** may not work in the 32 bit mode. In that case, you are limited to the 16 bit version of Readiris.

Such a phenomenon should never occur with **Twain drivers**, as the Twain standard accounts for 32 bit support. See also the note below on Twain drivers and 32 bits!

### 4. Important note concerning foreign languages

Because of internal reasons, Windows 98 and 95 use only 8 bit character tables, not so-called “Unicode” tables. As a result, the document language you select with Readiris must be supported by your **localized version** of Windows.

Simply put, Readiris can read Greek, Cyrillic etc. comfortably, but your Windows licence may not be able to handle Greek, Cyrillic etc. characters.

This becomes clear in two ways: (1) Windows may be unable to represent these special characters on your **screen**, even if Readiris recognized them correctly, (2) the learning phase may prompt you to respond to recognized “special” characters, and here again it only works when Windows is able to display and accept **keyboard input** of these special characters.

However, Windows 98 and 95 can be easily adjusted to support extra languages. (No special steps are required on Windows 2000 and Windows NT 4.0 systems.) The Readiris CD-ROM contains a lengthy document which details extensively what you can do to support more languages with Windows. The technical info on the I.R.I.S. web site contains the same information.

Simply put, you need to ensure that the Windows module "**Multilanguage Support**" is installed on your computer system. (To do this, select "Settings" under the "Start" menu and go to the "Control Panel". Now select "Add/Remove Programs" and click the tab "Win(dows) Setup".

You'll find the item "Multilanguage Support" in the list of Windows components. Click "OK" to execute, you will be prompted for the Windows CD-ROM.

This module can also be downloaded from the Microsoft **web site** at the URL address:

<http://www.microsoft.com/windows/downloads/default.asp>

## **5. Connect macros for Word, Excel and WordPerfect**

Readiris' installation procedure automatically installs the necessary files in the Readiris folder:

- CONWRD97.DOT for Word 2000 (Office 2000) and Word 97 (Office 97)
- CONX97.XLS for Excel 2000 (Office 2000) and Excel 97 (Office 97)
- CONNECT7.DOC for Word 7.0 (Office 95)
- CONNECT7.XLM for Excel 7.0 (Office 95)
- CONNECT.DOC for Word 6.0
- CONNECT4.XLM for Excel 5.0
- CONNECT6.WCM for WordPerfect 6.0
- CONNECT.DOC for Word 2.0
- CONNECT4.XLM for Excel 4.0
- CONNECT.WCM for WordPerfect 5.0
- CONNECT3.XLM for Excel 3.0

However, there are some **additional steps** needed to conclude the installation, steps no installation program can take care of. The on-line help system of Readiris details those steps, and so does the "Read me" file for the Connect feature (CONNREAD.DOC).

To add the Connect feature to the programs mentioned above, follow the instructions provided by the Readiris help system or the special “Read me” file closely. Be sure that you use the correct files each time!

## 6. Important note for users of Readiris 32 bit

If your scanner is only shipped with a 16 bit Twain driver and no 32 bit driver is available, your computer system requires a special software component that allows a 32 bit application to communicate with Readiris 6.0.

This special interface is called “twunk”; it is not always installed by the drivers shipped with the scanner.

To verify if the “thunk” software is present on your system, check if the following files are available in your Windows folder:

```
TWUNK_16.EXE  
TWUNK_32.EXE  
TWAIN.DLL  
TWAIN_32.DLL
```

If one of these files is missing, you will find them in the folder "Twunk" (short for "Twain thunk") on the Readiris CD-ROM.

That folder also contains a README.DOC file which clarifies how to install this software module. Be sure to copy all \*.EXE and \*.DLL files to the Windows folder.

## 7. Reverse images with Twain compatible scanners

Readiris and Cardiris have been designed to interpret correctly the image of the Twain source.

However, in some cases, the **image** received by the I.R.I.S. application is “**negative**” or “inverted”: black pixels on the page are white on the screen and the white background shows up black on the screen.

In this case, activate the option “Invert” as you find under the “Scanner” button on **Readiris’** main toolbar.

For **Cardiris**, you have to edit the file WIN.INI file under the Windows folder, search for the entry "[Twain]" and add the following lines:

```
[Twain]  
invert = 1
```

This information will instruct Cardiris (and Readiris) to reverse the image when it is being transferred from the Twain source.

## 8. Scanner drivers

If you experience problems with the scanner driver, you may find alternative third party drivers on the Readiris CD-ROM under the folder “Drivers”.

I.R.I.S. offers no guarantee that drivers are supplied for your scanner model or that the drivers supplied on the Readiris CD-ROM will work (well) with your scanner model.

Don't hesitate to contact your scanner manufacturer or its representative should problems with scanner drivers continue. Most manufacturers allow you to download the latest versions of the scanners drivers from their web site.

## 9. Important note for users of Agfa scanners

- **Users of Agfa FotoLook**

It takes the **Agfa FotoLook 3.0.8 “patch”** for Windows 98/95 and NT to use your Agfa scanner successfully with the Readiris 4.15 software (and other software).

In other words, should an **earlier version** of the FotoLook Twain driver be installed on your PC, you will need to upgrade the FotoLook software to this version of the Twain driver.

The FotoLook 3.0.8 software can be found on the Readiris **CD-ROM** under the folder “Drivers\Agfa\Fotolook\V308”. Run the SETUP.EXE file to install the software.

Don't hesitate to contact your scanner manufacturer or its representative should problems with scanner drivers continue.

- **Users of Agfa ScanWise**

Users of Agfa ScanWise should select “Twain Agfa ScanWise” as their scanner model with the “Scanner” button on the main button bar.

Don't hesitate to contact your scanner manufacturer or its representative should problems with scanner drivers continue.

## 10. Recognizing the Euro (€) currency symbol

Although Readiris 6.0 - not the 16 bit software Readiris 3.9 - recognizes the **Euro symbol (€)** comfortably, the currency symbol may not show in your text file when you study the recognition result.

This is not due to Readiris, but to your computer's **operating system** (keyboard drivers) and the fonts as are used when you display the text result.

Windows 98 is equipped to represent the Euro symbol, but it takes a **software "patch"** to represent the Euro symbol under Windows 95.

Contact your reseller to obtain the necessary files or **download** the software patch from the Microsoft web site at the following URL: <http://www.microsoft.com/windows/euro.asp>.

Consult the Microsoft web site to obtain more **information** on how to install the Euro product update.

## 11. Recognizing the Asian languages

Readiris 4.10 and higher optionally offers recognition of the **Asian languages** Japanese and Simplified Chinese.

Note that it does not take an Asian, Japanese or Chinese version of the Windows operating system to make good use of such recognized texts. You can also run specialized **"emulating" software** on a Western version of Windows to correctly represent the **"exotic" symbols** of these Asian languages.

Secondly, if you are running Word 2000 (Office 2000), this step is superfluous: **Word 2000** has what it takes to view and edit documents in over 80 languages, and that includes Arabic, Hebrew, Japanese, Korean, Traditional and Simplified Chinese.

Contact I.R.I.S. to purchase the **"add-on" recognition module** for these Asian languages.

This extra CD-ROM complements your installed Readiris 6.0 licence automatically - it does not work on versions of the Readiris software *earlier* than 4.10 - and explains all you need to know to successfully recognize Asian documents.

## 12. Contacting I.R.I.S.

Contact I.R.I.S. for more information.

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