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).

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. However, you can also purchase an **"ESD" version** ("Electronic Software Delivery") on the I.R.I.S. web site.

2. Registering your licence

Don't forget to **register** your product! There are many good reasons for doing so:

- Registering allows us to keep you informed of future **product developments** and **related** I.R.I.S. **products**.

- Registering entitles you to free **product support** and **special offers**.

- Depending on the software bundle, you'll receive the **softkey** in return as may be needed to continue using Readiris after one month.

You can register in many ways. Send in your registration card, access the Readiris registration form on the I.R.I.S. web site (www.readiris.com and www.irislink.com) or call I.R.I.S. during the working hours:

USA: +1-561-395 7831 / 800-447-4744
Europe: +32-10-45 13 64 (all major languages)

3. New features version 6.0

Refer to the I.R.I.S. web site (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 unparallelled 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.

4. Last-minute change

A last-minute change is not documented in the Readiris manual. It concerns the **deskewing** of slanted pages: the option "Page Deskewing" is now *disabled* by default for color and greyscale images. (It's still enabled by default for black-and-white images.)

Detecting the lineskew of color images takes a few seconds on slower PCs; doing this automatically could slow down the OCR process.

Enable this option under the "Settings" menu and save the default settings with the command "Save Default Settings" under the "File" menu to have the lineskew corrected automatically. (You can always use the "Deskew" button or the command "Deskew Page" under the "Process" menu to deskew a page manually.)

5. 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 ME, 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!

6. Recognizing prescanned multipage documents

Readiris 6.0 allows you to recognize multipage documents. To recognize scanned multipage documents, the scanner's autofeeder (ADF) is used to generate the batch of images. Recognizing prescanned multipage documents implies that you load several image files into memory. (Or that you load a multipage image file into memory. Or that you mix single page and multipage image files.)

As can be expected of a Windows program, you can use the Shift key to select a continuous **series** of image files and the Ctrl key to select separate images. Let's say that you have 5 image files called 1.TIF, 2.TIF, 3.TIF, 4.TIF and 5.TIF in a folder. To select all the images, you can select image 1.TIF and hold the Shift key as you select image 5.TIF. To select two separate images, you can select image 2.TIF and hold the Ctrl key as you select 4.TIF.

Fine so far. The "problem" is that the files will not be recognized in the right order. In fact, they will be loaded into Readiris in the reverse order! Image 5.TIF precedes image 4.TIF that precedes image 3.TIF etc.

Know that this is not a "bug" of Readiris, this illogical behaviour is due to the **Windows** operating system!

We therefore recommend that you select the images in the **inverse order**: Going back to our 5 image example, here's what you can do. To select all the images, select image 5.TIF and hold the Shift key as you select image 1.TIF. To select two separate images, you can select image 4.TIF and hold the Ctrl key as you select 2.TIF.

7. Important note concerning foreign languages

Because of internal reasons, Windows ME, 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 ME, 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 downloaded from the Microsoft **web site**.

8. 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!

9. 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.

10. 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** recieved by the I.R.I.S. application is "**negative**" or "inverted": black pixels on the page are white on the screen and the white backgound 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.

11. 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.

12. Important note for users of Agfa scanners

- **Users of Agfa FotoLook**

It takes the **Agfa FotoLook 3.0.8 "patch"** for Windows ME, 2000, 98, 95 and Windows NT 4.0 to use your Agfa scanner successfully with the Readiris 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.

13. 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 ME, 2000 and 98 are equipped to represent the Euro symbol, but it takes a **software "patch"** to represent the Euro symbol under Windows 95 and Windows NT 4.0.

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.

14. 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.

15. Getting technical support

Free technical **support** is offered to all **registered customers** in many ways.

Europe

Hotline: 32-10-45 13 64 (working hours) (all major languages)
Fax: 32-10-45 34 43

USA

Hotline: 1-561-395 7831 (working hours)
Fax: 1-561-347 6267

WWW

Consult the troubleshooting info on the I.R.I.S. web site.

E-mail
support@irislink.com

16. Contacting I.R.I.S.

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

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