

# Acrobat Q&A

## Windows

**Q** I'm trying to install the Acrobat Reader in Windows and keep getting an error message with the number 0003 in it. Why won't it install?

**A** You're probably having this problem because your TEMP directory is invalid or the disk it's on is full, making it impossible for the Acrobat Reader to store files in this directory during installation.

When you run the installer application for Acrobat Reader for Windows (ACROREAD.EXE), it makes a copy of the ACROREAD.EXE file in your TEMP directory, which is usually defined in the AUTOEXEC.BAT file's "SET TEMP=" line. When the directory listed in that line doesn't really exist, or you don't have write access to that directory, or that directory's drive doesn't have enough free space, the Acrobat Reader installation fails and returns the error "Error \*\*\* 0003 \*\*\*."

To prevent this, there are a few things you should do. First, ensure there is at least 4–8 MB of free disk space on the hard drive on which you're installing Acrobat Reader, as well as the hard drive that contains your TEMP directory.

Next, check to see that the "SET TEMP=" line in your AUTOEXEC.BAT file points to a directory that actually exists. If it points to an invalid directory, make a backup copy of your AUTOEXEC.BAT file, then edit the line to point to a different directory—any one will do, as long as that directory really exists, isn't your root directory, and is on a hard drive that you have write access to and has at least 4–8 MB of free space. Furthermore, we recommend designating a directory that will be used only for TEMP files (for instance, C:\TEMP), not a directory you use to store other items. (If you need to create a new directory for this purpose, you can use the Windows File Manager or DOS commands to do so.) When you're done, save your AUTOEXEC.BAT file in text-only format, restart your computer, and try installing the Acrobat Reader again.

One more note: if you've been operating with an invalid TEMP directory, you probably have a few TEMP files (named with .TMP extensions) cluttering up your hard drive. Unless one of those TEMP files might contain valuable data, which is only likely if you've lost an entire document due to a system crash, you can delete them. To do so, exit Windows completely first (this is *extremely* important, because you should never delete TEMP files while Windows is running—you might delete one Windows is in the process of using). Then, use DOS commands to delete the files.

## Windows/Mac

**Q** What are the advantages of embedding fonts into a PDF file, and how do I do it?

**A** Acrobat can embed PostScript Type 1, multiple master, and TrueType fonts (Acrobat embeds TrueType fonts and each instance of a multiple master font as individual Type 1

## Acrobat Tip Windows/Mac/DOS/Unix

### Searchable graphics

Acrobat Exchange and Reader let you search for text, but have no built-in feature that'll let you search for graphics. But don't let that stop you—you can create "searchable" graphics as long as you plan ahead.

While you're in your authoring application (whatever program you used to create the document you'll convert to PDF), place some descriptive text behind the graphic you want to be searchable. You can usually do this by typing the text, selecting it, and using a "Send to Back" or equivalent command. Once the PDF is created with either the Distiller or PDFWriter, Acrobat Exchange or Acrobat Reader will "see" the text, even though it'll be invisible to someone viewing the PDF file. Here are a few tips:

- ▶ Use appropriately descriptive text (for instance, "Space Needle" behind a picture of Seattle's Space Needle landmark).
- ▶ If you use a small point size, you may be able to include a few different search words. Make sure the text is small enough that it's completely hidden by the graphic.
- ▶ To prevent adding a font that'll need to be embedded in your PDF (thereby increasing its file size), use a font that's already on your page, or use a font that Acrobat won't embed—for instance, Times or Helvetica. (Acrobat never embeds Times, Helvetica, Symbol, or Zapf Dingbats, since those fonts get installed automatically with Acrobat Reader and Acrobat Exchange.)

Gibellini  
Di Nova



Photo Disc

fonts). When you embed fonts into a PDF file, the Acrobat viewers (Acrobat Reader and Acrobat Exchange) will be able to display and print your PDF file with the exact fonts you used in your design, even if they're not installed on the computer you're using to view the PDF.

When you don't embed a font, Acrobat Reader and Exchange must create—on the fly—a simulation of that font if it isn't installed on the computer being used to view the PDF file. The Acrobat viewers create these simulated fonts by reading the metrics (exact character spacing values) of your original font, which the Acrobat PDFWriter or Distiller embed in your PDF. Then the Acrobat viewers, in conjunction with ATM (Adobe Type Manager), use the "AdobeSansMM" and "AdobeSerifMM" multiple-master fonts to synthesize a font with the same metrics as your originals.

Embedding fonts in your PDF files ensures that they'll retain the exact look and fonts of the document from which they were created, but doing so will also increase the size of

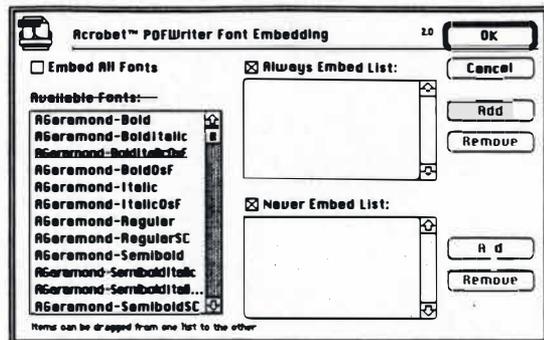
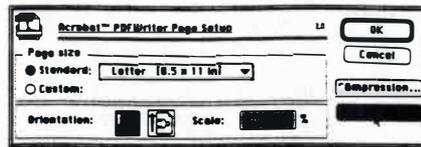
## Q&A Acrobat

your PDF files. Not embedding fonts will keep your PDF files relatively small, but they'll take slightly longer to display on screen, since Acrobat and ATM will need to create on-the-fly simulations of your fonts. And although those simulated fonts will retain your original document's layout and line endings, they won't look exactly like the original fonts. Note that by default, both PDFWriter and the Distiller will embed fonts with nonstandard, non-Latin (symbol) character sets—for instance, Zapf Dingbats or the Symbol font—since simulated versions of those fonts won't match the original fonts' characters. (Decorative fonts like display or script faces are *not* automatically embedded.)

You can control which fonts will be embedded in your PDF files by using the font-embedding options in the PDFWriter and in the Distiller. Here's how.

### Getting to font-embedding options with the PDFWriter.

How you get to the font-embedding options in the PDFWriter depends on what platform you're using. In Windows 3.1, go to the Control Panel, click on the "Printers" icon, select the "Acrobat PDFWriter" device, click on the "Setup..." button, then click "Fonts...." In Windows 95, double-click on the "Acrobat PDFWriter" device in the "Printers" Control Panel, and in the "Acrobat PDFWriter" window, select "Properties..." from the Printer menu. In the "Details" section of the next dialog box, click on "Setup...."



then "Fonts..." (at the time of this writing, Windows 95 was not yet released, so this procedure may change).

On the Mac, hold down the Control key while selecting "Print..." from the File menu. In the "Print" dialog box, click on "Setup...", then "Fonts...." (Note: Some Macintosh applications, such as Adobe Persuasion and Microsoft Word, provide access to printer-setup options via a "Page Setup" dialog box. In these applications, hold down the Control key while selecting "Page Setup" from the File menu, and in the "Page Setup" dialog box, click on "Fonts....") If neither of these procedures gets you to the "Acrobat PDFWriter Font Embedding" dialog box, check the "PDFWriter Shortcut" Control Panel to make sure it's not disabled or set to use another keyboard shortcut. If the "PDFWriter Shortcut" Control Panel isn't installed, you'll need to select the "Acrobat PDFWriter" printer driver in the Chooser manually.

## Acrobat Tip Windows/Mac/DOS/Unix

### Free software!

PDF files are easy to share with friends and colleagues—as long as they can read them, which requires that they have a version of the Acrobat Reader for Windows, Macintosh, DOS, or UNIX. Fortunately, the Acrobat Reader application is free, and you can distribute it to whomever you like as long as the copies contain the Electronic End User License Agreement and the same copyright and other proprietary notices that appear on or in the software. Here are a few of the places you can get the Reader.

**On the Internet:** Check out our World-Wide Web home page at <http://www.adobe.com/> or use our FTP server at <ftp://ftp.adobe.com/pub/adobe/Acrobat>.

**Adobe's free BBS:** Using a modem and telecommunications software that supports VT-100 or ANSI emulation, and that's set to 8 data bits, 1 stop bit, and no parity, dial the free Adobe BBS at (206) 623-6984. For more information on this service, see pages 118–19. You'll find the Acrobat Reader under "Adobe Acrobat" in the File Library section of the BBS.

**America Online:** The Acrobat Reader is available in a variety of America Online forums, including the Adobe forum (use the "ADOBE" keyword).

**CompuServe:** See the Acrobat Showcase forum—use the "GO ACROBAT" command to get there.

If you don't have a modem, you can order the Acrobat Reader directly from Adobe. Ask for the Acrobat Sampler CD, which contains the Acrobat Reader for Windows, Macintosh, DOS, and UNIX, as well as sample PDF files. The CD is available for a shipping and handling cost of \$9.95 (U.S.). The Macintosh and Windows Readers are also available on 3.5-inch high-density floppies for a shipping and handling fee of \$9.95 (U.S.). Call (800) 521-1976 for more information.

## Girls who wear glasses Girls who wear glasses

*When you don't embed fonts, Acrobat simulates them (top). They have the same spacing characteristics of the original (bottom, Officina Serif), but won't look exactly the same.*

**Getting to font-embedding options with the Distiller.** To open the "Acrobat Distiller - Font Embedding" dialog box, select "Font Embedding..." from the Distiller menu.

**Using the font-embedding options.** With the options in the "Font Embedding" dialog box, you can control which fonts Acrobat embeds in your PDF files. The manual and help files that come with Acrobat provide comprehensive information on using these features—for details, see the Exchange help file HELP\_E.PDF (Windows) or "Help-Exchange.pdf" (Mac), pages 138–40; the Distiller help file HELP\_D.PDF (Windows) or "Help-Distiller" (Mac), pages 71–77; or the *Getting Started* manual, pages 28–32. For technical information on font embedding, refer to FaxYI documents 4406, "How the Adobe Acrobat Distiller and PDFWriter Programs Handle Fonts," and 4408, "Acrobat Viewer Font Management Tables" (see pages 118–19 in this issue for information on how to use FaxYI). ▀

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