# Contents

Introduction
1 Installing Adobe Type Manager
2 Using Adobe Type Manager
3 Troubleshooting
Copyright

## Copyright

© 1990, 1991 Adobe Systems Incorporated. All Rights Reserved. Patents pending.

This manual, as well as the software described in this manual is furnished under license and may only be used or copied in accordance with the terms of such license. The information in this manual is furnished for informational use only, is subject to change without notice and should not be construed as a commitment by Adobe Systems Incorporated. Adobe Systems Incorporated assumes no responsibility or liability for any errors or inaccuracies that may appear in this book. Except as permitted by such license, no part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written permission of Adobe Systems Incorporated.

Font Foundry are trademarks and Adobe Type Manager, ATM, the ATM Logo, the Adobe logo, the PostScript logo, PostScript and Adobe are trademarks of Adobe Systems Incorporated, registered in the U.S.A. LaserJet is a trademark of Hewlett-Packard Company. Microsoft is a trademark of Microsoft Corporation. Times, Helvetica, and Palatino are trademarks of Linotype AG and/or its subsidiaries. PageMaker is a registered trademark of Aldus Corporation. Ventura Publisher is a trademark of Ventura Software, Inc. WordPerfect is a registered trademark of WordPerfect Corporation. WordStar is a registered trademark of MicroPro International Corporation. Other brand or product names are trademarks or registered trademarks of their respective holders.

Written and designed at Adobe Systems Incorporated, 1585 Charleston Road, Mountain View, CA 94039-7900 /Adobe Systems Europe B.V., Office Centre, Jozef Israelskade 48c, 1072 SB Amsterdam, The Netherlands /Adobe Systems United Kingdom, Hill Place House, 55a High Street, Wimbledon, London SW19 5BA, United Kingdom /Adobe Systems Japan, Swiss Bank House 7F, 4-1-8 Toranomon Minato-Ku, Tokyo, 105 Japan

For defense agencies: Restricted Rights Legend. Use, reproduction or disclosure is subject to restrictions set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at 252.227-7013. For Civilian agencies: Restricted Rights Legend. Use, reproduction or disclosure is subject to restrictions set forth in subparagraph (a) through (d) of the commercial Computer Software Restricted Rights clause at 52.227-19 and the limitations set forth in Adobe's standard commercial agreement for this software. Unpublished rights reserved under the copyright laws of the United States. Printed in the USA.

Writing: Alison Boardman Editing: Tanya Wendling Illustration and book production: Dayna Porterfield, Lauren Buchholz, George Holt Cover design: Gail Blumberg

# Introduction

Welcome to Adobe Type Manager® - Windows Version, software that produces the sharpest possible type on-screen and on the printed page. Because it incorporates PostScript® outline font technology, the Adobe Type Manager® (ATM) program eliminates jagged fonts so that your screen can display high-quality typefaces of any size or style. The ATM program also enables even inexpensive printers to print PostScript language fonts that are crisp and smooth. ATM includes PostScript versions of a set of standard fonts; thus, you do not need to use expensive font cartridges or to take up disk space with additional soft fonts.

The Adobe Type Manager program is easy to use. To install the ATM software, simply start the Installer program and follow the instructions on-screen. Once the ATM software is installed, it works automatically with your Windows 3.0 word-processing, page-layout, spreadsheet, and graphics applications. Your documents look their best both on-screen and when they are printed.

**About this manual**
**The Adobe Type Manager package**
**System requirements**
**Application compatibility**
**Printers supported**
**Fonts supported**

# Introduction

Subtopics

Welcome to Adobe Type Manager® - Windows Version, software that produces the sharpest possible type on-screen and on the printed page. Because it incorporates PostScript® outline font technology, the Adobe Type Manager® (ATM) program eliminates jagged fonts so that your screen can display high-quality typefaces of any size or style. The ATM program also enables even inexpensive printers to print PostScript language fonts that are crisp and smooth. ATM includes PostScript versions of a set of standard fonts; thus, you do not need to use expensive font cartridges or to take up disk space with additional soft fonts.

The Adobe Type Manager program is easy to use. To install the ATM software, simply start the Installer program and follow the instructions on-screen. Once the ATM software is installed, it works automatically with your Windows 3.0 word-processing, page-layout, spreadsheet, and graphics applications. Your documents look their best both on-screen and when they are printed.

**About this manual**
**The Adobe Type Manager package**
**System requirements**
**Application compatibility**
**Printers supported**
**Fonts supported**

# About this manual

Topic

The *Adobe Type Manager - Windows Version User Guide* explains how to install and run the ATM program on your IBM® PC or PS/2, or on a 100%-compatible personal computer. **Chapter 1** describes how to install ATM on your hard-disk system and how to verify installation; **Chapter 2** explains how to use the ATM Control Panel, and describes the ATM.INI file; and **Chapter 3** contains troubleshooting information. For the latest information regarding installation, tips, and troubleshooting, see the README file in the ATM directory on the 1-2-3 CD-ROM.

This manual assumes that you have a working knowledge of your personal computer, as well as of Microsoft Windows 3.0 and its operating conventions. For complete instructions on using Microsoft Windows 3.0, see your Microsoft Windows documentation.

# The Adobe Type Manager package

Topic

The Adobe Type Manager package contains

- Adobe Type Manager software
- The *Adobe Type Manager - Windows Version User Guide*
- Registration card

Be sure to complete and return the enclosed registration card so that Adobe can continue to provide you with the highest-quality software, offer technical support, and keep you informed of new Adobe Type Manager developments.

# System requirements

Topic

To use Adobe Type Manager, you need an IBM PC AT or PS/2, or a 100%-compatible personal computer using a 286, 386, 386SX, or 486 processor and running Microsoft Windows 3.0.

# Application compatibility

Topic

The Adobe Type Manager program is compatible with most Windows 3.0 applications.

# Printers supported

Topic

The ATM program works with many different printers, including

- PostScript language printers
- The Hewlett-Packard LaserJet® family of laser printers
- IBM Laser Printer, LaserPrinter E
- IBM Proprinter, Epson, and other dot-matrix printers
- Most other Windows-supported printers

ATM software is also compatible with all high-resolution PostScript image-setting devices; however, it does not affect the printed output of these devices. For additional printers that the ATM program supports, see the README file in the ATM directory on the 1-2-3 CD-ROM. Use Notepad or any word processor or text editor to open and read the file.

# Fonts supported

Topic

The ATM program is compatible with PostScript Type 1 format font software, including the Adobe® Type Library fonts and Type 1 font packages from Linotype, Agfa-Compugraphic, Varityper, Monotype, Autologic, and The Font Company.

# 1 Installing Adobe Type Manager

The ATM package includes the outline fonts you need to display and print high-quality type in various sizes and styles for a standard set of typefaces. Installing ATM software requires copying the software and the desired outline fonts and metric files to your hard-disk system.

To install the ATM software and one outline font and metric files, you must have at least 290K of space available on your hard disk. The ATM software requires about 250K of disk space; each font occupies about 40K of disk space.

All of the installation procedures assume that Windows 3.0 is already installed on your disk. If it is not, please install Windows 3.0 before you attempt to install the ATM program.

**Installing the ATM program**
**Verifying installation**

# 1 Installing Adobe Type Manager

The ATM package includes the outline fonts you need to display and print high-quality type in various sizes and styles for a standard set of typefaces. Installing ATM software requires copying the software and the desired outline fonts and metric files to your hard-disk system.

To install the ATM software and one outline font and metric files, you must have at least 290K of space available on your hard disk. The ATM software requires about 250K of disk space; each font occupies about 40K of disk space.

All of the installation procedures assume that Windows 3.0 is already installed on your disk. If it is not, please install Windows 3.0 before you attempt to install the ATM program.

**Installing the ATM program**
**Verifying installation**

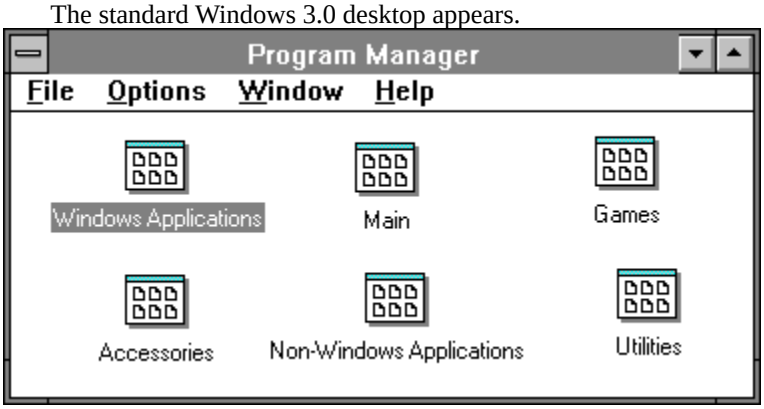
# Installing the ATM program

Topic

To install the ATM software on your system:

1. Insert the 1-2-3 CD-ROM into your CD-ROM drive.
2. Start Windows 3.0 as usual.

   The standard Windows 3.0 desktop appears.




   The desktop may appear differently on your screen if any windows, such as Windows applications, were open the last time you quit Windows.

3. Choose Run from the File menu. The Run dialog box appears.

4. Type "d:\atm\install" in the Command Line box, where "d:" is the letter of your CD-ROM drive; then click OK or press Enter.

   **Note** As an alternative to steps 2 through 4 above, you can use the Windows File Manager to locate the INSTALL.EXE program on the CD-ROM; then double-click the application to begin the installation.

   The ATM Installer screen appears asking you to specify the target hard disk directory names in which you want to install the metric and outline font files. The default directory for the outline fonts (PFB files) is c:\psfonts. The default directory for the metric fonts (PFM files) is c:\psfonts\pcm. You can accept the defaults or change them to install the outline and metric fonts in different directories.

If you change the "Target directory for PostScript outline fonts" directory name, the "Target directory for font metrics files" directory name is automatically updated to the same path. You can then accept this name or enter a new directory name.

5. Press Enter or click Install to continue the installation. A status window appears telling you how the installation program is proceeding.

   If you have an HP LaserJet (PCL) printer installed, the installation program asks if you want to install optional PCL bitmap fonts and prompts you to specify a directory for the fonts. The PCL bitmap fonts are not required to print the sharpest possible type on an HP LaserJet printer but can help optimize performance.

   The default directory for the PCL bitmap fonts is c:\pclfonts. You can accept the default or enter a new directory. The PCL bitmap fonts are installed as "Temporary," so they are downloaded automatically every time you print. You can change the downloading status to "Permanent" using the Font Installer dialog box that appears when you configure your HP LaserJet printer.

6. After you specify a directory, click Install. If you don't want to install the PCL bitmap fonts, click Skip.

   When the installation is complete and all files are copied to your hard disk, the final installation screen appears.

7. Click OK to complete the installation.
8. Restart Microsoft Windows.

   *Important: You must exit DOS and restart Windows to use the ATM program.*

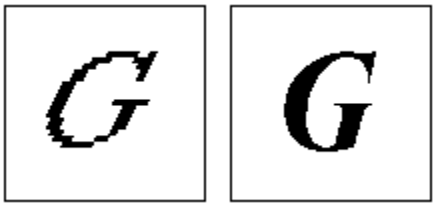
# Verifying installation

Topic

After you install the ATM program and restart Windows, start a Windows application. Highlight any text and set it to a relatively large point-size, such as 72 points. You will immediately notice that characters are smoother and relatively free of jagged edges. The difference for smaller sizes, like 10-point and 12-point type, may not be as noticeable.

If you are unsure whether ATM is working, there are a few simple things that you can do to see the difference between type with and without the benefit of the ATM program. Try selecting and printing a larger point size, like 72 points, with the ATM program turned on and then turned off. (Turn the ATM on and off by clicking the appropriate buttons in the ATM Control Panel. Be sure to restart Windows after you turn the ATM program on or off.) Also, try viewing and printing italic fonts with ATM turned on, then off, and compare the difference.

The two uppercase letter G's shown below are 72-point screen images using the Times italic font. The image on the left is displayed and printed with the ATM program turned off; the image on the right is displayed and printed with the ATM program turned on.



# 2 Using Adobe Type Manager

Subtopics +

This chapter gives you tips for using the Adobe Type Manager software. If you encounter any problems using the ATM program, see **Chapter 3**, "Troubleshooting." For the latest information regarding using Adobe Type Manager, see the README file.

**Using the ATM Control Panel**
**Printing on PCL printers**
**The ATM.INI file**

# 2 Using Adobe Type Manager

Subtopics −

This chapter gives you tips for using the Adobe Type Manager software. If you encounter any problems using the ATM program, see **Chapter 3**, "Troubleshooting." For the latest information regarding using Adobe Type Manager, see the README file.


**Using the ATM Control Panel**
- Using pre-built or resident bitmap fonts
- Adding and removing fonts
- Changing the font cache size
- Removing the program from your system

**Printing on PCL printers**

**The ATM.INI file**
- Fonts
- Settings
- Aliases

# Using the ATM Control Panel

Topic

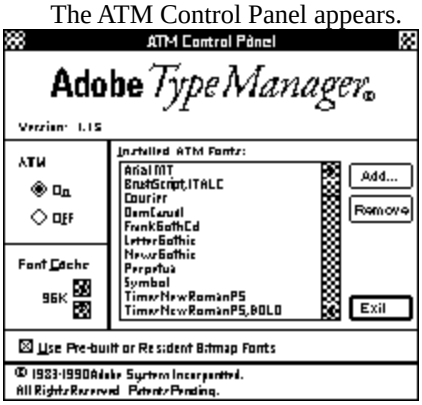
The ATM Control Panel includes several options that allow you to turn the ATM program on and off, change the font cache size, use pre-built or bitmap font software, and add and remove fonts. With the exception of the Use Pre-built or Resident Bitmap Font option, you must exit and then restart Microsoft Windows in order for changes to any of the options in the ATM Control Panel to become effective.

The next section describes the overall procedure for using the Control Panel. The succeeding sections explain in detail how to work with each option.

### To use the Control Panel:

1. Open the Main group in the Program Manager if it is not already open.
2. Double-click the ATM Control Panel icon.

   The ATM Control Panel appears.




3. Make any necessary changes using the Control Panel, as described later in this chapter.
4. Click Exit to close the Control Panel; then exit Microsoft Windows.
5. Restart Microsoft Windows. The new ATM Control Panel settings are now in effect.

### To turn the program on and off:

To turn the ATM program on or off, click the On or Off button in the ATM Control Panel; then exit and restart Microsoft Windows 3.0.

## Using pre-built or resident bitmap fonts

When pre-built fonts (soft fonts) or resident fonts (cartridge fonts or fonts built into the printer) are available, the ATM program will use them if you select the Use Pre-built or Resident Bitmap Fonts checkbox in the ATM Control Panel. This will reduce the amount of printer memory required to print some pages and may improve performance.

In some situations, however, you may not want the ATM program to use pre-built or resident bitmap fonts.

- If your application supports auto-kerning, the ATM fonts will be kerned but the pre-built or resident bitmap fonts will not.
- Some typefaces may have a different appearance if you use pre-built or resident fonts. This situation is most apparent with the Courier font printed to a Hewlett-Packard LaserJet printer.

- If you change the printer resolution, the ATM text changes accordingly but the pre-built or resident bitmap fonts will not.

  **Note** Turning the pre-built or resident font option on and off does not require restarting Microsoft Windows.

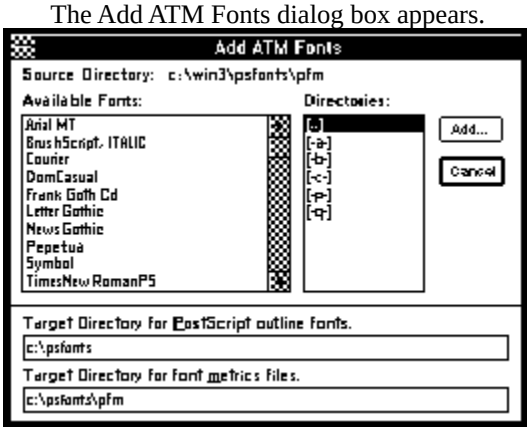
## Adding and removing fonts

The ATM program works with PostScript Type 1 font packages that you may purchase separately, such as those from the Adobe Type Library. You can install additional fonts in your system by clicking the Add button or remove fonts by clicking the Remove button in the ATM Control Panel. The installed fonts are then listed in the ATM Control Panel.

### To add fonts to your system:

1. Click the Add button.

   The Add ATM Fonts dialog box appears.




   The top portion of the dialog box enables you to locate the directory or disk where the fonts currently reside. The Available Fonts list box lists the names of the outline fonts in the current directory. The bottom portion of the dialog box allows you to specify the directory in which the fonts will be installed.

2. In the box labeled Target directory for PostScript outline fonts, type the name of the directory to which you want to copy the font outline files, or type nothing to accept the default, c:\psfonts. Any new directory name you type automatically appears in the box labeled Target directory for font metrics files**.** You can accept the new name or enter the name of another directory for the font metric files.
3. Insert the appropriate disk according to the type of PostScript fonts you are adding.
   - If you are adding Revision 3 Adobe Type Library font software (narrow cardboard package) or Revision 2, 3.5-inch disk Adobe Type Library fonts (large cardboard package), insert the Font disk or the Printer Font disk, respectively.
   - If you are adding Revision 2, 5.25-inch disk Adobe Type Library fonts (large cardboard package), insert the Windows disk.
   - If you are adding Revision 1 Adobe Type Library fonts (plastic package), insert the Program disk.
   - If you are adding non-Adobe fonts, insert the disk containing the font metric (PFM) files.
4. Select the drive or directory containing the fonts from the Directories list box.
5. Select the fonts you want to add and click Add**.** You may select as many fonts as you want.

   **Note** You should install each style of a font you want to use. For example, if you are installing the Times font, you should install Times.BOLD, Times.ITALIC, and Times.BOLDITALIC. However, if disk space is limited, you can install the plain face and ATM will approximate the other styles.

6. At this point, depending on the type of fonts you are adding, the program may prompt you for outline font (.PFB) files. If the program does not prompt you for any additional files, go on to step 7. Otherwise, use one of the following procedures.

   - If you are adding non-Adobe fonts, Revision 1 Adobe fonts, or Revision 2, 5.25-inch disk Adobe fonts, insert the Printer Font disk (i.e., the disk containing the font outline files) and select the appropriate drive or directory in the Directories list box.
   - If you are using another Adobe Type Library package, insert any supplemental disk included in the package and select the appropriate drive or directory in the Directories list box.

   Once the fonts have been loaded, the new fonts appear in the Installed ATM Fonts list box in the ATM Control Panel.

7. Click the Exit button to complete the font installation. Restart Windows to use the newly added fonts.

**To remove fonts from your system:**

1. In the ATM Control Panel, select the fonts you want to remove. When you finish selecting fonts, click the Remove button.

   The ATM confirmation dialog box appears for each selected font asking you to confirm that you want to remove the font.

2. Click Yes to remove the font. To remove the remaining fonts without confirming each one, click the box labeled No confirmation to remove fonts.

   **Note** Removing a font does not delete the corresponding PFB or PFM files from the hard disk.

## Changing the font cache size

The size of the font cache determines the amount of system memory available to store font information. The default setting for the font cache is 96K. You can set the font cache from 64K to 8192K.

To improve performance, you may want to increase the font cache size if you are using many typefaces or sizes. Experiment with the font cache size parameter to see how it affects performance.

If your applications seem unusually slow when you scroll, change pages, or display fonts, your font cache size is probably too small. On the other hand, if you are using a personal computer with only one megabyte of total memory, you probably won't have enough extra memory to increase the font cache size. In fact, in this case, you may need to reduce the font cache size if you are also using applications that require a lot of memory.

To change the font cache size, click the up arrow in the Font Cache box of the Control Panel (to increase the size) or the down arrow (to decrease the size).

## Removing the ATM from your system

If you need to remove the ATM program from your system, first quit from Microsoft Windows. Next, in the following two lines of your SYSTEM.INI file in the Windows directory, delete the references to the ATM program (i.e., everything between the two equal signs including one of the equal signs):

```
system.drv=atmsys.drv
atm.system.drv=system.drv
```

These lines may be different on some systems (for example, the Hewlett-Packard Vectra); however, the resulting line should leave intact the first and last values. For example:

```
system.drv=system.drv
```

Finally, delete the ATM.DLL and ATMSYS.DRV files from your Windows system directory and the ATM.INI and ATMCNTRL.EXE files from your Windows directory; then delete the .PFM and .PFB files from the directories in which you installed them.

# Printing on PCL printers

Topic

For optimal performance, print through a parallel (LPT) port.

ATM can use pre-built fonts (soft fonts) or resident fonts (cartridge fonts or fonts built into the printer) when the exact font size and style are available. This reduces the amount of printer memory required to print some pages and may improve printing performance. The Adobe Font Foundry program (included with all Adobe Type Library packages) can be used to generate such soft fonts; the ATM Control Panel can then be used to turn this feature on and off.

# The ATM.INI file

Topic

The ATM installation process creates a text file called ATM.INI in the windows directory. The directory names you set during the installation, any changes you make in the ATM Control Panel, and other important parameters are recorded using the ATM.INI file.

## Fonts

The Fonts part of the ATM.INI file lists the installed fonts and the full path name of the directory that contains the corresponding PFM and PFB files.

## Settings

The Settings part of the ATM.INI file defines the overall ATM configuration parameters. The font cache and ATM on/off parameters are specified directly in the ATM Control Panel.

The ATM program will substitute a font specified as a Synonym when the font size is larger than the size specified with the SynonymPSBegin parameter. This parameter allows the ATM program to optimize its performance with Windows display fonts.

The QLCDir parameter specifies the directory that contains a file that the ATM program uses to check for working fonts every time you start Microsoft Windows with the ATM program on. This parameter helps ATM start quickly, especially when you are working on a network and the ATM font software resides in a remote directory. This parameter defaults to the directory containing the ATM font software as specified during the installation.

## Aliases

Aliases allow you to substitute one font name for another to ensure compatibility with your existing documents. For example, you can specify that Tms Rmn and Times are the same font; thus, the ATM program will automatically convert any text set as Tms Rmn to Times.

# 3 Troubleshooting

This chapter contains solutions to problems you may encounter when installing or using the ATM program. You may also want to refer to the README file for troubleshooting information that is not included in this manual. Use Notepad or any word processor or text editor to open and read this file.

**Jagged characters**
**Displaying fonts**
**Font menu**
**Printing**
**System messages**

# 3 Troubleshooting

Subtopics −

This chapter contains solutions to problems you may encounter when installing or using the ATM program. You may also want to refer to the README file for troubleshooting information that is not included in this manual. Use Notepad or any word processor or text editor to open and read this file.

**Jagged characters**
**Displaying fonts**
**Font menu**
**Printing**
**System messages**

## Jagged characters

**Problem:** Characters appear jagged on-screen and/or when the document is printed.

**Solution:** Make sure that:

- You restarted Windows 3.0 after you installed the ATM program;
- Windows is running in Standard or 386 Enhanced mode. The ATM program will not run in Real mode;
- You are using a PostScript language Type 1 font program, such as those provided with ATM;
- The ATM program is turned on in the ATM Control Panel;
- Your printer is set for the highest resolution in its setup dialog box.

**Problem:** Characters appear jagged on-screen but print properly on a PostScript printer.

**Solution:** For each such PostScript language printer font, install the corresponding outline font program using the ATM Control Panel. For more information on the ATM Control Panel and installing fonts, see **Chapter 2**, "Using Adobe Type Manager."

## Displaying fonts

**Problem:** Some characters don't appear on-screen.

**Solution:** Try restarting Windows. If the problem persists, re-add the font that doesn't appear using the ATM Control Panel. See "Adding and removing fonts" in **Chapter 2**, "Using Adobe Type Manager."

## Font menu

**Problem:** The ATM fonts do not appear in the Font menu of your application.

**Solution:** Reselect your printer from within the application.

Also verify that the font metrics (PFM files) and PostScript language outline font programs (PFB files) are installed properly. If necessary, add the fonts again using the ATM Control Panel. For more information on the ATM Control Panel and installing fonts, see **Chapter 2**, "Using Adobe Type Manager."

## Printing

**Problem:** Computer or printer performance seems slow.

**Solution:** Increase the size of the font cache. The default setting is 96K. For graphic arts applications, you may want to use a font cache of 128K or larger. See "Changing the font cache size" in **Chapter 2**, "Using Adobe Type Manager."

**Problem:** After using Adobe Font Foundry to generate screen fonts, PCL fonts no longer print.

**Solution:** In the WIN.INI file, remove the line containing the PFM file name for the screen font, decrease the number of soft fonts by one, and renumber the soft font entries. For example, if your current WIN.INI file reads

```
[HPPCL,LPT1]
SoftFonts=2
SoftFont1=C:\PSFONTS\PFM\J_10W.PFM
SoftFont2=C:\PSFONTS\PFM\J_12W.PFM,C:\PCLFONTS\J_12W.SFP
```

change the WIN.INI file to

```
[HPPCL,LPT1]
SoftFonts=1
SoftFont1=C:\PSFONTS\PFM\J_12W.PFM,C:\PCLFONTS\J_12W.SFP
```

In general, when using the ATM program, you do not need to use Font Foundry to generate screen fonts.

## System messages

**Problem:** ATM and PostScript language fonts don't match.

**Solution:** This message appears if there are more fonts installed for the ATM program in the ATM.INI file than for the PostScript printers in the WIN.INI file. Only PostScript printer fonts will appear in your application's font menu. Install the missing fonts using the ATM Control Panel.

**Problem:** A memory error occurs when you open an application with the ATM program turned on.

**Solution:** The current system configuration does not leave enough memory for your application. Try decreasing the ATM font cache size, decreasing the number of files specified in your CONFIG.SYS file, removing any networking software, or decreasing the size of SMARTDRV.SYS. In 386 Enhanced mode, you can also increase the size of your permanent swap file, if you are using one.

**Problem:** A PCL printer indicates an "out of memory" error condition.

**Solution:** If you have the correct soft font or cartridge font installed, make sure that the "Use Pre-built or Resident Bitmap Fonts" option is selected in the ATM Control Panel. Also, consider adding more memory to your printer. See "Adding and removing fonts" in **Chapter 2**, "Using Adobe Type Manager," for more information.