Adobe℠ Customer Services

TrueType™ Conflicts

If you enter text in Adobe Illustrator™ and you see no characters on the screen or vertical lines instead of characters, you are most likely encountering a conflict between Adobe PostScript™ and Apple® TrueType™ fonts. Another related problem you may encounter is an inability to create outlines from text.

BACKGROUND

TrueType is scaleable font technology that is a feature of System 7™. Apple's TrueType works in much the same manner as Adobe Type Manager™ and PostScript Type 1 fonts. The system software scales an outline of a specific letter to the size needed and then fills it in with pixels for display on screen, resulting in smooth characters at any point size. When you install System 7, the Apple Installer automatically loads TrueType outline fonts and corresponding bitmapped fonts for Chicago, Courier, Geneva, Helvetica, Monaco, New York, Symbol and Times. System 7.1 users will also receive Palatino in TrueType format.

Adobe Illustrator, versions 3.x can create outlines **only** from PostScript Type1 fonts. Version 3.2 can make limited use of TrueType fonts, but only for displaying plain text. Version 5.x can create outlines from both PostScript and TrueType fonts but note the limitation at the end of this paragraph. Versions 3.x ship with the "base thirteen" Type 1 typefaces (in the families of Courier, Helvetica, Symbol and Times) while Version 5.0 ships with forty typefaces (the "base thirteen" and twenty-seven additional)and 5.5 has the base thirteen and 180 additional fonts. While you can have both PostScript and TrueType fonts on your system, for Adobe Illustrator (all versions) to display and use fonts correctly, it is essential that you **do not have both formats for the same font family.**

Because Adobe Illustrator and the System 7 installer both provide fonts (in PostScript and TrueType formats respectively) for Courier, Helvetica, Symbol and Times, you should remove the TrueType versions of these typefaces and make sure you have only the PostScript versions installed. The remainder of this Tech Note discusses how to do this. Because the many combinations of the different versions of Adobe Illustrator and System 7 necessitate different installation steps, this Note may initially appear rather lengthy and complex. Don't worry, just follow the steps appropriate to your situation and things should go smoothly.

There are two items to be aware of before proceeding:

1. In the procedures below you will be removing TrueType fonts and replacing them with PostScript versions. The PostScript versions for the "base thirteen" fonts are in the program installation disks for Adobe Illustrator versions 5.5, 5.0 and 3.2.3 , or on the original Adobe Type Manager (ATM™) disk that came with your original Adobe Illustrator 3.0, 3.0.1, 3.0.2 or 3.2 package. (They will also be on the original disks if you purchased ATM as a stand alone retail product) They are not on ATM upgrade disks, nor the ATM disks that come with Photoshop or Apple bundles/offers, so you will need the ATM disks that came with your original (version 3.0 or later) Adobe Illustrator or stand alone ATM package.
2. Whenever you reinstall System 7, the Apple Installer will automatically reload the TrueType fonts and you will need to repeat the steps below.

I   GET INFO

There are two pieces of information that you will need to have before proceeding, the exact version numbers of your System and your ATM. It is critical that you check these as follows.

To determine your Operating System version:

1. Make the Finder active by choosing it from the Application Menu (located in the upper right corner of the monitor screen).
2. Choose About This Macintosh from the Apple Menu (located in the upper left corner of the monitor screen).
3 The System Software version will be stated in the top of the window. Note whether it is 7.0, 7.0.1 or 7.1 or later.

To determine the ATM version:

1. Choose Control Panels from the Apple Menu.
2. Double click on the ~ATM™ Control Panel. (If you are in a List view, it will be at or near the bottom of the list.)
3. If you are asked to personalize your copy of ATM, do so at this time.
4. Note the version number indicated in the window.
5. Open your System Folder and search for the ATM driver. It will be labeled ~ATM68000 or ~ATM68020/30 and if viewing by name will be at or near the end of the list. Single click on the driver to highlight it only.
6. Under the File menu, select Get Info (Cmd. I).
7. In the Info dialog box check that the version number for the ATM driver is the same as that for the ATM control panel. If not the same update the older piece from your ATM disk.

II   REMOVE THE TRUETYPE FONTS

1. Create a folder on your Desktop and name it De-Installed Fonts.
2. Open your System Folder.

For System 7.0 or 7.0.1:

1. Open your System file. (It's icon is a suitcase with a Macintosh inside it. Under list view, the kind will be a suitcase.)
2. Move **all** fonts, bitmapped and TrueType outlines, for Courier, Helvetica, Times and Symbol to the De-Installed Fonts folder on your Desktop. This includes Regular (or Roman), Bold, Italic (or Oblique), and Bold Italic (or Bold Oblique) versions of the fonts.
3. Do not move related families such as Helvetica Narrow, Courier Condensed, Times Europa etc..
4. If you have a full PostScript Type 1 version of Palatino, follow the same procedure as in step 4 for any Palatino fonts in your System file. Note, you will need your original Palatino disk for Section IV.
5. Go to Section III.

For System 7.1 or later:

1. Open your Fonts folder.
2. Move the suitcases for and any loose fonts for Courier, Helvetica, Times and Symbol to the De-Installed Fonts folder on your Desktop.
3. If you have a full PostScript Type 1 version of Palatino, follow the same procedure as in step 4 for the Palatino suitcase in your Fonts folder. Note, you will need your original Palatino disk for Section IV.
4. Go to Section III.

III   LOCATE/PREPARE THE POSTSCRIPT FONTS

For Adobe Illustrator 5.5 and 5.0:

1. If you ran a normal installation, you should have within your Adobe Illustrator ™ 5.x folder another folder labeled Adobe Type. (If you do not, re-launch the Adobe Illustrator installer from your original diskettes, select Customize and choose Adobe Type Folder.)
2. In Adobe Illustrator 5.5, the base thirteen fonts for Courier, Helvetica, Symbol and Times are located within separate folders. In Adobe Illustrator 5.0 these folders are within another folder labeled "Adobe Base 13."
3. Go to section IV.

For Adobe Illustrator 3.2.3:

1. If you ran a normal installation, you should have within your Adobe Illustrator™ 3.2 folder another folder labeled Adobe Type. (If you do not, re-launch the Adobe Illustrator installer from your original diskettes, select Customize and choose Adobe Type Folder.)
2. Double click on the Adobe Type folder and you will find within it a folder labeled Bitmapped Fonts and thirteen Outline Fonts (distinguishable by icons of a slanted letter "A" with horizontal lines behind them). Double click on the Bitmapped Fonts folder. Drag the four suitcases from the Bitmapped Fonts folder to the Adobe Type folder so that they are next to the thirteen outline fonts.
3. Go to section IV.

For Adobe Illustrator 3.2:
1. Create a new folder on the Desktop and label it Adobe Type.
2. Insert your original ATM disk and double click to open it. If it contains a folder labeled Bitmapped Fonts and thirteen Outline Fonts (distinguishable by icons of a slanted letter "A" with horizontal lines behind them), follow steps 3 - 6 for Adobe Illustrator 3.0 which follows.
3. If the ATM disk contains a file labeled PostScript Fonts Installer go to step 4 below. If there are neither the PostScript Fonts Installer nor a folder labeled Bitmapped Fonts and thirteen Outline Fonts, you do not have an original Adobe Illustrator ATM disk.
4. Double click on the PostScript Fonts Installer. At the Adobe Illustrator window click on Continue.
5. At the window that asks "Where should the Installer put the PostScript fonts?" navigate through the scroll bar and select the Adobe Type folder on your Desktop. Click Install.
6. When the installation is finished, click on Quit and drag the ATM diskette icon to the Trash to eject the disk.
7. Double click on the Adobe Type folder on your Desktop and you will find a folder labeled Bitmapped Fonts and thirteen Outline Fonts. Double click on the Bitmapped Fonts folder. Drag the four suitcase from the Bitmapped Fonts folder to the Adobe Type folder so that they are next to the thirteen outline fonts.
8. Go to section IV.

For Adobe Illustrator 3.0, 3.0.1, 3.0.2:
1. Create a new folder on the Desktop and label it Adobe Type.
2. Insert your original ATM disk and double click to open it. It should have among other items a folder labeled Bitmapped Fonts and thirteen Outline Fonts (distinguishable by icons of a slanted letter "A" with horizontal lines behind them).
3. Copy the thirteen Outline fonts from the ATM diskette into the Adobe Type folder on your Desktop.
4. Double click on the Bitmapped Fonts folder of the ATM diskette. It should have four suitcases in it, one each for Courier, Helvetica, Times and Symbol.
5. Copy the suitcases for Courier, Helvetica, Times and Symbol to the Adobe Type folder on your Desktop.
6. Go to Section IV.

IV   LOAD THE POSTSCRIPT FONTS
For System 7.0, 7.0.1:
1. Quit all open applications.
2. Open up the Adobe Type folder (and for Adobe Illustrator 5.0, then open the Adobe Base 13 folder).
3. Drag the suitcases for Courier, Helvetica, Times and Symbol on top of the icon for your closed System folder. Click OK at the message. System 7 will install the bitmapped fonts from these suitcase into your System file (suitcase).
4. Open the System folder. Drag the outline fonts for Courier, Helvetica, Times and Symbol

from your Adobe Type folder (Base 13 folder for version 5.0) to either the open System folder (works with all versions of ATM), or on top of the icon for the Extensions folder (works with versions 2.0.2 or later of ATM).

5. The bitmapped and outline fonts for any additional PostScript Type 1 fonts should be installed as in steps 2 through 4 above.

6. Restart your Macintosh for the fonts to be available.

For System 7.1 or later:

1. Quit all open applications.

2. Open up the Adobe Type folder (and for Adobe Illustrator 5.0, then open the Adobe Base 13 folder).

3. Drag the suitcases for Courier, Helvetica, Times and Symbol on top of the icon for your closed System folder. Click OK at the message. System 7 will install the bitmapped fonts from these suitcase into your Fonts folder.

4. Open the System folder. Drag the outline fonts for Courier, Helvetica, Times and Symbol from your Adobe Type folder (Base 13 folder for version 5.0) to either the open System folder (works with all versions of ATM), or on top of the icon for the Extensions folder (works with versions 2.0.2 or later of ATM), or on top of the Fonts folder (works with version 3.0 or later of ATM).

5. The bitmapped and outline fonts for any additional PostScript Type 1 fonts should be installed as in steps 2 through 4 above.

6. Restart your Macintosh for the fonts to be available.

For further information, refer to Technical Notes: #4109, ATM™ and Type 1 fonts: Installing and understanding; and #4111, TrueType™ and Adobe Type Products under System 7.0.

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