Adobe Type Manager® 4.5.2
Macintosh version
English
October 15, 1999

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0. ATM 4.5.2 Release Notes

ATM 4.5.2 resolves an incompatibility with Mac OS 9, and is intended to be used only on Mac OS 9. The 4.5.2 release was tested only on Mac OS 9.

In addition to addressing the Mac OS 9 incompatibility, the 4.5.2 release incorporates changes made in ATM 4.5.1 to resolve the following issues:
-- Synthesized small caps now work properly in QuarkXPress.
-- Type no longer prints at unexpected sizes on QuickDraw printers.
-- Previously active fonts are no longer unexpectedly deactivated when you start your Macintosh.

1.
System Requirements

Roman system requirements:

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Macintosh with PowerPC® processor

- Mac OS 9
- 16 MB of RAM
- 3 MB of available hard-disk space

Japanese system requirements:

- same as Roman, except
- 32 MB of RAM

2.
Installation

The ATM Installer installs the following files:

- ATM control panel (~ATM™) in the Control Panels folder in the System Folder.
- Adobe Type Manager folder containing Adobe Type Manager Preferences in the System:Preferences folder.
- The Font Downloader and its Read Me file in the Adobe Type Utilities folder when standard QuickDraw, not QuickDraw GX, is active during installation. This downloader does not support QuickDraw GX.

Make sure that any previously installed version of the ATM control panel (~ATM™) is not locked.   When the previous version is locked, the ATM control panel file cannot be properly updated during installation. To determine if the file is locked, highlight the ATM control panel in the Control Panels folder of the system folder and choose "Get Info" from the File menu.

3.
Font Smoothing

When font smoothing, also called anti-aliasing, is enabled, ATM uses 15 shades of intermediate colors to blend PostScript® Type 1 font color with the background color on screen. The actual number of intermediate colors displayed on screen depends on the number of available system colors. On monitors set to display thousands or more colors, ATM smooths both black and color text on various background colors. On monitors set to display 256 or fewer colors, ATM smooths only black text.

When you select (i.e., highlight) smoothed text, QuickDraw (the screen rendering language used by the Macintosh) swaps the foreground color of the text with the background color. All of the other colors in between are left unchanged. This produces a jagged halo around the selected text. To reduce the severity of this effect, you can change the highlight color to a lighter color in the system's Color control panel.

Because ATM uses QuickDraw to smooth text, it can smooth text only when an application uses QuickDraw to display its text. Some applications use QuickDraw to draw an off-screen monochrome bitmap image, then display their own color images on screen. When an application uses QuickDraw to draw on off-screen bitmap image of a font (e.g., with colored or skewed text), ATM cannot smooth the fonts. For example, Deneba Canvas™ and Microsoft® PowerPoint® do not support smoothed color text or skewed text.

ATM cannot smooth fonts under QuickDraw GX.

Font smoothing is not supported in Adobe Acrobat® versions earlier than 3.0 and MacDraw® Pro.

The following Adobe applications have their own font smoothing function, and do not use ATM for this purpose: Adobe Premiere (all versions), Adobe Illustrator 7 and greater, Adobe Photoshop 5.0 and greater, Acrobat 4.0 and greater, ImageReady 1.0 and greater, ImageStyler 1.0 and greater.

Font smoothing is not supported in ClarisWorks™ when the monitor displays 256 colors or fewer.

Some applications (e.g., QuarkXPress®) do not support smoothed text while you are typing it. The text is smoothed when the text box is updated.

4.
Precision Character Positioning

When the Precision Character Positioning option is enabled, ATM can position characters more precisely than previous versions of ATM by using an off-screen, high-resolution grid. ATM calculates the positions of all characters in an entire line of text using this grid before drawing the text on-screen.

All applications that support fractional widths support Precision Character Positioning. Before you select the Precision Character Positioning option, you should make sure that your application's fractional widths option has been enabled.

Adobe Acrobat uses its own method for character placement and does not support Precision Character Positioning.

5.
Known Software Issues

5PM Term
The system crashes while installing 5PM Term when ATM is present.

Adobe Illustrator 7.0
Monotype and Sinotype CID-fonts do not appear in the Adobe Illustrator 7.0 font menu.

Acrobat 4.0 and earlier
In order to run Acrobat, the fonts Symbol and Zapf Dingbats must be present in the System:Fonts folder.

Corel® WordPerfect®
WordPerfect is not compatible with ATM when WordPerfect's WYSIWYG font menu option is enabled.

FWB® Raid Toolkit 1.x
ATM 4.0 and greater is not compatible with FWB Raid Toolkit 1.x hard disk driver. Use FWB Hard Disk Toolkit or upgrade to FWB Raid Toolkit 2.0 or later.

Global Village® GlobalFAX™
Before using the GlobalFAX modem software, you must remove the 24-point bitmap font file from the Helvetica suitcase.

Certain applications install older versions of ATM, overwriting any version of ATM which may be in your System folder. These include:

- Adobe Illustrator 6.0.x.
- Adobe Acrobat 3.0.x.

In these cases, the workaround is to restart while holding down the Shift key, move the older version of the ATM control panel to the Trash, and re-install ATM 4.5.2.

Canvas 3.0J
Osaka is substituted at the printer when when printing PostScript Japanese fonts from Canvas 3.0J. This behavior does not occur with Canvas 3.5J.

6.
QuickDraw GX

Apple dropped support for QuickDraw GX printing as of OS 8.0 and QuickDraw GX 1.1.6. We tested printing in MacOS with the GXGraphics extension installed. We did not test printing with versions of QuickDraw GX prior to 1.1.6.

If you install new PostScript fonts after installing QuickDraw GX or the GXGraphics extension, you must enable these fonts using the Type 1 Enabler utility that comes with QuickDraw GX and the GXGraphics extension. If an error occurs while enabling fonts, the original, unenabled font files are left in the System Fonts folder.

When you try to use a font size in QuickDraw GX that is less than half the size of the smallest installed bitmap, the font will not display correctly.

Outline and shadowed styles of PostScript fonts print lighter from within QuickDraw GX than within standard QuickDraw.

T/Maker® WriteNow does not support GX-enabled PostScript fonts.

Canvas cannot create outlines with GX-enabled PostScript fonts or multiple master fonts.

7.
Printing Issues

We have observed problems printing Japanese fonts to the Canon Laser Shot printer while using the Canon Laser Shot printer driver. The workaround is to select 'QuickDraw mode' in the Page Setup dialog.

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