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System 7 Tune-Up 1.1.1 Feature Summary (7/93)

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Security: Everyone

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Article Change History

07/08/93 - REVISED and RETITLED
             • Title changed to version 1.1.1 and information from similar
               articles added to the discussion.
09/24/92 - REVIEWED
             • For technical accuracy.

TOPIC ---

This article describes the changes made to System 7 with Tune-Up.

DISCUSSION --

This version of System 7 Tune-Up addresses the problem of disappearing
files and folders reported by some users running version 7.0 and 7.0.1.
It also includes LaserWriter driver version 7.1.1.

LaserWriter 7.1.1 driver provides the following benefits:

• Support for the Personal LaserWriter NTR

• It fixes the bug that causes a compatibility problem between the current
  driver (7.1) and the LaserWriter Plus.

• A workaround for a bug in the LaserWriter IIf and IIg ROM that causes
  PostScript errors (under certain conditions) when printing TrueType.

Improved System Behavior In Low Memory Situations

• Fewer Memory Size Alerts

When you open an application, if the available memory is less than the
application prefers, but more than its minimum requirement, the
application will use the available memory. Memory size alerts such as
"Application prefers 1024K of memory, 900K is available, do you want to
open using available memory?" won't appear.

• Closed Applications Quit Automatically When More Memory Is Needed
  Users commonly get into low memory situations by closing a document
  window without quitting the application, letting the application
  remain in memory. With the System 7 Tune-Up installed, the Finder
  offers to quit such applications automatically to make enough memory
  available when opening another application.

• Automatic Printing Without Quitting The Application
  This helps when you choose "Print…" with background printing on, and
  there isn't enough memory available to use PrintMonitor. System 7
  Tune-Up will print the document immediately, without making you quit
  the application.

• Reduced System Software Memory Consumption When AppleTalk Is Off
  If you turn off AppleTalk with the Chooser and then restart, AppleTalk
  networking code won't be loaded into system memory. This frees up 100K
  to 125K, depending on the Macintosh model. If AppleTalk is turned on
  again with the Chooser, you must restart to use networking services.

• Reduced System Software Memory Fragmentation
  As you open applications, desk accessories, and control panels, the
  amount of memory used by system software increases. Problems in the
  System 7.0 and 7.0.1 Memory and Process managers prevent some of that
  memory from being released when those programs quit. System 7 Tune-Up
  fixes those problems, so more memory is released when applications and
  desk accessories quit.

Performance Enhancements

• Faster LaserWriter Performance When Printing TrueType Fonts
  LaserWriter driver version 7.1 doesn't download software or fonts to the
  LaserWriter IIf, IIg, IINT, and IINTX if the software or fonts are
  already in the printer's ROM. This speeds printing of both TrueType and
  Type 1 fonts. It also doesn't download TrueType software and fonts to
  the LaserWriter and LaserWriter Plus. Instead, it converts TrueType
  fonts to Type 1 format and downloads those.

• Faster StyleWriter Performance
  StyleWriter driver version 7.2.2 is nearly twice as fast as version 7.1,
  because it was rewritten based on the Personal LaserWriter LS driver
  rather than the ImageWriter driver. Now StyleWriter users need the MS
  Word TrueType Printer INIT from Microsoft to print Microsoft Word
  documents correctly on the StyleWriter printer.

• Better Font Memory Management
  TrueType software uses an area of system software memory to store the
  most recently used font images. System 7.0 and 7.0.1 clears this area

out whenever any new file is opened. TrueType must then refill this
memory, slowing performance (especially when printing). With the System
7 Tune-Up, the system clears this memory area only when a new font
file is opened, increasing font performance in general and TrueType
printing in particular.

• Faster Chooser Performance
  Chooser 7.1 displays device names faster. Keyboard shortcuts in the
  Chooser also select devices more quickly. Improvements are most
  noticeable in network zones with many devices.

• Faster Finder Copying Of Large Files
  System 7 Tune-Up improves the performance of Finder "move" and
  "duplicate" operations by up to 20% on files over 200K.

Bug Fixes

• Reduced Possibility Of Data Corruption With Shared Files
  A problem in System 7.0 and 7.0.1 makes it possible for File Sharing
  files to become corrupted when two or more users access the file
  simultaneously. File Sharing Extension 7.0.2 fixes this problem.

• Increased PrintMonitor Reliability
  System 7 Tune-Up makes Print Monitor more reliable and much less prone
  to crashes.

• Bitmapped Fonts In the System File Marked As Purgeable
  System 7 Tune-Up allows the Font Manager to unload certain fonts in the
  System 7.0 System File from system software memory when not in use.

• Aliases to the Trash
  System 7 Tune-Up fixes occasional strange behavior of aliases to the
  Trash.

• SCSI Manager
  With System 7.0 and 7.0.1, using serial communications devices during
  heavy File Sharing activity can cause the SCSI bus to become confused
  and seem busy when the bus is free. This causes the computer to hang.
  System 7 Tune-Up fixes this problem.

• Sleeping Keyboard
  At startup, the System 7 Tune-Up repeatedly resets Apple Desktop Bus
  keyboards, preventing a problem in which some keyboards occasionally
  fail to wake up. System 7.0.1 includes this fix as well.

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