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System Update 3.0 Read Me (5/96)

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TOPIC -----

This is the Read Me for System Update Disk v 3.0

DISCUSSION -----

System Update 3.0 (1.44 MB floppy disk version)

What is System Update 3.0?

System Update 3.0 is a set of software enhancements that improves the performance and reliability of Macintosh computers running system software version 7.1, 7.1.1 (System 7 Pro), or 7.1.2 (for Power Macintosh).

System Update 3.0 provides all of the enhancements of System Update 2.0.1, Hardware System Update 2.0, and Hardware System Update 1.0, plus additional enhancements. (For a review of the System Update 2.0.1, Hardware System Update 2.0, and Hardware System Update 1.0 enhancements, see "What Other Enhancements Does System Update 3.0 Provide?" at the end of this document.)

What are the enhancements that System Update 3.0 provides?

System Update 3.0 introduces the following enhancements:

- Provides system-level improvements to increase overall system performance and reliability on most Macintosh models.
- Corrects a problem that caused some programs to quit unexpectedly or caused the computer to freeze when you attempted to open programs over the network. This includes/replaces all of the functionality of Network Launch Fix (and the Installer will delete it).
- Corrects a problem that potentially allowed the system to become corrupted during a power failure or a crash. This corruption would prevent the Macintosh from restarting.
- Prevents a PowerBook from trying to spin up its hard drive when the system needs to warn the user that there are only 10 seconds of battery power

remaining.

- Fixes a problem that prevented the Macintosh Plus from using any system software newer than 7.1. Users wishing to upgrade to newer system software must also delete the Finder Preferences file from the Preferences folder and restart.
- Fixes the "About This Macintosh" box so the memory usage line does not get drawn outside of the box's bounds.
- Prevents the potential file/media corruption that can happen when working with a file that is on a remote volume and the connection to that volume is lost. Now, when the remote volume is lost, its icon will remain dimmed on the desktop (similar to what happens to the icon for a manually ejected floppy disk). All attempts to open items on the lost volume will result in an access privilege error. If you need to save your work on the open file, you will need to use "Save As..." (or the equivalent) to save it to a different volume. In order to re-connect with the lost volume, you will first need to close the file you were working with, then drag the lost volume's dimmed icon to the Trash.
- Increases reliability for remote file saving when the client is running System 7.1 or greater and the server is running a pre-7.0 system and using pre-3.0 AppleShare.
- Fixes a problem with throwing away folders that are on an AppleShare volume. Sometimes when attempting to empty the Trash, the Finder would warn that the folder contained items in use and could not be deleted. The Finder will now properly delete such folders.
- Fixes a problem where a Power Macintosh, Quadra 840AV, or 660AV may hang if a CD-ROM disk is inserted when file sharing is on and a large file is being transferred.

System Update 3.0 includes the following updates:

- Updates the Standard File package to include many fixes and enhancements. The most significant fix corrects a crash problem when more than 20 volumes are mounted. The most significant enhancement is the use of color icons.
- Updates the Easy Access control panel to version 7.2. This new version allows Sticky Keys to remain active after waking up if it was active when the PowerBook or Portable went to sleep. Also, Easy Access now remembers whether sticky keys, mouse keys, and slow keys were on or off between restarts.
- Replaces TeachText with SimpleText version 1.0. Among other improvements, SimpleText allows multiple documents to be open simultaneously, and allows users to easily use a variety of fonts, font sizes, and font styles.
- Includes Apple HD SC Setup version 7.3.1,. This new version fixes a crash problem version 7.3 has when run on Macintosh models that do not support virtual memory.
- Updates the Memory control panel to version 7.3. This new version prevents a

potential crash during boot if the RAM disk was set too large. Also, this control panel now opens with 32-bit addressing on.

- Updates the PowerBook control panel to version 7.3.1, the PowerBook Setup control panel to version 7.3.1, and the PowerBook Display control panel to version 1.1. This package of related control panels reorganizes and simplifies several controls.
- Updates the Battery desk accessory to version 7.1.1. This new version provides better support for the Duo 230.
- Updates the TV Setup control panel to version 1.0.1. This new version supports HRC cable systems. This version also fixes a problem that would sometimes cause the screen to darken after returning from TV mode.
- Updates the Screen control panel to version 1.0.4. This new version corrects a problem on the LC 575.
- Updates the PC Setup control panel to version 1.0.2. This version provides a fix for users of the Macintosh DOS Compatibility Card that are experiencing interference when using a single 14" display and the PC is in the foreground. If you are experiencing an interference problem, make sure the "Fade Screen" option is selected in the updated PC Setup control panel. With this option selected, switching to the Macintosh will be slightly slower but the video interference will disappear.
- Updates System Enabler 003 to version 1.1 for use with the LC III.
- Updates System Enabler 040 to version 1.1 for use with the Quadra 610, 650, and 800 and the Centris 610 and 650. This update also adds support for the Quadra 610 and 650.
- Updates System Enabler 065 to version 1.2 for use with the Quadra 605, LC 475, and LC 575. This new version removes some minor unnecessary components.
- Updates System Enabler 088 to version 1.2 for use with the Quadra 840AV and 660AV. This update fixes some serial communication problems and delivers improvements to the Resource Manager and other system components that increase system performance.
- Updates System Enabler 403 to version 1.0.2 for use with the Color Classic II, LC 520, and LC 550.
- Updates the PowerBook Duo Enabler to version 1.0 for use with the PowerBook Duo 210, 230, 250, and 270c. This new version allows the use of type II batteries. It also incorporates the Duo Battery Patch for all PowerBook Duo models except the Duo 270c, which does not need it.
- Updates the PowerPC Enabler to version 1.0.1 for use with the Power Macintosh 6100, 7100, and 8100. This new version fixes a problem with some large monitors connected to the AV video card, improves Energy Star compatibility for certain monitors connected to the built-in video port, updates the Communications Toolbox, fixes an occasional memory manager problem, improves the serial port

performance, improves the video quality of the High Performance Video card in certain situations, and preserves the "Playthrough" and "CD Audio In" settings in the Sound Control panel across reboots. The PowerPC Enabler also supersedes the files "!TYC" and "!PowerAV Update" (and the Installer will delete them).

- Updates the PowerPC Upgrade Card Enabler to version 1.0.1 for use with the PowerPC Upgrade Card installed in the Centris 610 and 650 and the Quadra 610, 650, 700, 800, 900, and 950. This new version updates the Communications Toolbox and fixes an occasional memory manager problem.

Installing System Update 3.0

Before you install...

Do you use a Macintosh II, a Macintosh SE or a Macintosh Plus?

If you use a Macintosh II, a Macintosh SE, or a Macintosh Plus computer, then you need the version of System Update 3.0 that comes on an 800K floppy disk, unless your computer has been upgraded with a 1.4 MB floppy disk drive or you have network access to a Macintosh that has 1.4 MB floppies (see "Network Installation Instructions" below for information on installing over a network). The 800K package is a special version of System Update 3.0, including only the files needed for those three models of Macintosh. If your computer has been upgraded with a 1.4 MB floppy disk drive, then you can use the version of System Update 3.0 that comes on the high-density (1.4 MB) floppy disks.

If you have any Macintosh computer other than these three, you must use the version of System Update 3.0 that comes on two high-density (1.4 MB) floppy disks. Do not use the version of System Update 3.0 that comes on an 800K disk. It does not include all of the files that you need.

Do you have Macintosh system software version 7.1, 7.1.1, or 7.1.2?

You should install this update only if you have Macintosh system software version 7.1, 7.1.1, or 7.1.2 installed on your computer.

If you have already installed earlier system updates, you should still install System Update 3.0 in order to have the latest version of all system software. System Update 3.0 provides additional functionality and fixes problems that the earlier updates did not address.

Installation of System Update 3.0 includes three steps:

1. Install the System Update
2. Update your Apple utilities
3. Update your Apple drivers

See the step-by-step instructions below.

Step 1: Install the System Software Update

To install the system software update, follow these steps:

1. If you currently have the Connectix Enabler Patch on your hard disk, remove it from your hard disk before proceeding with this installation.
2. Insert System Update 3.0 Disk 1 in your floppy disk drive.
3. Double-click the Installer icon.
4. Read the Welcome screen, and then click OK.
5. Click the Install button.

The Easy Install process for System Update 3.0 automatically determines what elements of the updated system software your computer needs.

6. When you see a message that installation is complete, click the Restart button.
7. When you finish, continue with "Step 2: Update Your Apple Utilities" below.

NOTE: None of the packages on System Update 3.0 are removable, so they will all be dimmed if you select "Custom Remove" in the pop-up menu.

Step 2: Update your Apple Utilities

The "Utilities *f*" folder on the System Update 3.0 Disk 1 contains Apple HD SC Setup version 7.3.1 and Apple Disk First Aid version 7.2. These updates are intended to permanently replace the copies of Apple HD SC Setup and Apple Disk First Aid on your System 7.1, 7.1.1, or 7.1.2 Disk Tools disk. This update is recommended even if you have already installed System Update 2.0.1.

Follow these steps to update your utilities:

1. Insert the System Update 3.0 Disk 1 in your floppy disk drive.
2. Choose Eject Disk from the Special menu.
3. Insert the Disk Tools disk in your floppy disk drive.
4. Click the "Utilities *f*" window to make it active.
5. Drag the HD SC Setup and the Disk First Aid icons to the Disk Tools disk.
6. When your Macintosh warns you that the files on your Disk Tools disk have the same names as the items that you are moving, click OK.
7. Insert specific disks as requested until the files are fully copied.
8. When you finish, continue with "Step 3: Update Your Apple Drivers" below.

Step 3: Update your Apple drivers

System Update 3.0 also contains a driver update for Apple hard disk drives. You should install the driver update even if you have already installed System Update 2.0.1. Follow the steps below to install the driver update on each Apple hard disk drive you own:

1. With your computer off, insert the Disk Tools disk in your floppy drive.
2. Turn on your computer.
3. Double-click the Disk Tools icon.
4. Double-click the Disk First Aid icon in the Disk Tools window. (NOTE: If you completed "Step 2: Update Your Apple Utilities" above, the Disk First Aid utility on your Disk Tools disk should be version 7.2)
5. Click the driver icon that corresponds to your Apple hard disk drive. If you have more than one Apple hard disk drive, hold down the Shift key and click each icon for the drives that you will be updating.
6. Click the Repair button. Disk First Aid will now run some diagnostic tests and make any necessary repairs on your drive. This may take a few minutes depending on the size of your drive.
7. Open the File menu and choose Quit.
8. Double-click the Apple HD SC Setup icon in the Disk Tools window. (NOTE: For more information on Apple HD SC Setup, see your Macintosh user's guide. If you completed "Step 2: Update Your Apple Utilities" above, the HD SC Setup utility on your Disk Tools disk should be version 7.3.1)
9. Click the Drive button until the name of the hard drive you want to update appears.
10. Click the Update button.
11. Repeat steps 9 and 10 for any other Apple hard disk drives you own.
12. Click the Quit button.

Network Installation Instructions

Preparation

Users wishing to install System Update 3.0 on a number of Macintosh computers on a network may find it simpler to install System Update 3.0 over their network rather than shuffling the two 1.4 MB floppies on each Macintosh. Creation of the "net install" package can be accomplished by following these steps:

1. Create a folder on the server named "System Update 3.0 Net Install".

2. Insert System Update 3.0 Disk 1 and drag the icon for the disk into the folder created in Step 1. This will copy the entire contents of the first disk into a folder within the "System Update 3.0 Net Install" folder.
3. Insert System Update 3.0 Disk 2 and drag the icon for the disk into the folder created in Step 1. This will copy the entire contents of the second disk into a folder within the "System Update 3.0 Net Install" folder.
4. Open the folder named "System Update 3.0 Net Install".
5. Open the folder named "System Update 3.0 Disk 1" and drag the Installer and Install System Update into the folder named "System Update 3.0 Net Install".
6. Verify that there are four icons showing in the "System Update 3.0 Net Install" folder. They should be the Installer, Install System Update, the "System Update 3.0 Disk 1" folder, and the "System Update 3.0 Disk 2" folder.

Installation

To install System Update 3.0 over a network, log onto the server containing the folder created above and double click the Installer. You can have multiple Macintosh computers installing from the same "System Update 3.0 Net Install" simultaneously. This should simplify, and speed up, the process for updating numerous networked Macintosh computers.

What Other Enhancements Does System Update 3.0 Provide?

System Update 3.0 includes enhancements from System Update 2.0.1, Hardware System Update 2.0, and Hardware System Update 1.0 (listed below). Some enhancements are Macintosh-model specific while others apply to a range of models.

- Improves the reliability of high-speed modems and similar devices connected to Macintosh LC, LC II, IIsi, IIVx, IIvi, Classic II, Quadra 900, and Quadra 950 computers.
- Improves the accuracy of the system clock in Macintosh LC, LC II, IIsi, IIVx, IIvi, Classic II, Quadra 900, and Quadra 950 computers.
- Corrects problems ejecting floppy disks when the computer is shut down on Macintosh IIsi, IIci, IIVx, IIvi, Macintosh Quadra 700, and Macintosh Quadra 950 computers.
- Addresses possible floppy disk drive and hard disk problems with the Macintosh IIsi, IIci, IIVx, IIvi, Centris, Quadra, and PowerBook and PowerBook Duo computers.
- Removes horizontal white lines that may appear while scrolling on Quadra and Centris systems with a Macintosh 16" Color Display.
- Prevents fonts from being needlessly locked in memory during the boot process. This frees up memory on affected machines.

- Corrects color problems with the Apple Basic Color monitor on Macintosh Centris and Quadra computers. (NOTE: If Hardware System Update 1.0, Hardware System Update 2.0, or System Update 2.0.1 extensions or the Basic Color Monitor extension are already installed on your computer, this update replaces them. The 3.0 update removes the Basic Color Monitor and the ADBReInit extensions and replaces them with a System Update 3.0 extension.)
- Adds software for the Apple Adjustable Keyboard, allowing you to connect the keyboard to any Macintosh computer without separately installing special keyboard software. This software is not needed by Power Macintoshes, but is needed by the Power Macintosh Upgrade Card.
- Updates the Macintosh Color Classic System Enabler (System Enabler 401, version 1.0.5). This new version allows the Apple IIe Card and software to be used with the Color Classic. In addition, this revised System Enabler improves mouse performance with the Color Classic. (NOTE: To use the Apple IIe Card with system software version 7.1 on a Color Classic, you need to have version 2.2.1 of the Apple IIe Card software. You can obtain an upgrade package for the Apple IIe Card software by contacting an Apple-authorized dealer, or by using the AppleLink path Apple Products: Apple SW Updates: Macintosh: Peripheral Software: Apple IIe Card for Macintosh LC.)
- Updates System Enabler 131 (version 1.0.3) for the PowerBook 160, 165, 165c, and 180 to support 12" monitors and improve reliability. (NOTE: There is a very small chance that your PowerBook may not boot when you turn it on for the first time after installing the update. If this happens, turn the computer off and back on, and press Command-Option-P-R while the computer starts up.) System Enabler 131 replaces System Enabler 121 and System Enabler 111 (and the Installer will delete these files).
- Installs the Sound Manager Update to improve sound performance on most Macintosh computers. (NOTE: When this software is installed, your system sound will revert to the Simple Beep. After installation, you may wish to reset the Sound control panel to your preferred sound.)
- Installs AutoRemounter 1.2. This release significantly reduces network traffic compared to version 1.0.
- Includes Disk First Aid 7.2, a utility that repairs damaged disks.

Special Note For Power Macintosh Upgrade Card Users

If you are using System 7 Pro software, you must reinstall it after installing the Power Macintosh Upgrade Card software. To reinstall System 7 Pro software, follow these steps:

1. After installing the Power Macintosh Card software, restart your computer and insert the Install disk that came with your System 7 Pro package.
2. If the Installer application did not launch automatically, double-click the Installer application icon on the Install disk. The Easy Install dialog box will

appear.

3. Click the Install button. The Installer takes a few moments to calculate what needs to be done and then begins to copy files. The whole process may take several minutes.

4. When the Install disk is ejected, follow the instructions you see on the screen. You will need to swap disks several times.

Important: If you see a message that says the Finder you are about to install is older than the Finder already on the disk, click "Continue."

5. When you see a message reporting that the installation has been successfully completed, follow the instructions on the screen.

For best performance when running PowerTalk on the Power Macintosh Card, you should install the PowerTalk for Power Macintosh software, which is available by calling the Apple Order Center for only a \$15 shipping and handling fee. This disk is also available from the following electronic bulletin board services: The Safe House, DesignLink BBS, MacHaven BBS, America Online, Connect Inc., General Videotex Corp./Delphi, Toronto Mac Developers Association, John Crow, The Rest of Us, Resource Central, Inc. (Genie), San Diego Macintosh User Group, TwinCity Mac, Information Access Technologies, Inc., MacRefuge BBS, MAUG/Micronetworked Apple (CompuServe) Users, MauiLink, Netrunner BBS, North Start computer Ltd., PressLink, Inc., Deep Cove BBS, ZiffNet, Alaska Mac, Greyland BBS, Mac's Place BBS, and from Apple user groups, the Apple Volume License program, and Apple resellers. To install PowerTalk for Power Macintosh, follow the instructions that come with the disk.

Apple strives to provide maximum reliability for its customers. This update provides specific improvements that many Apple Macintosh customers will find helpful.

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Article Change History:

27 May 1996 - Updated for technical accuracy.

02 May 1995 - Corrected spelling of all Macintosh LC computers named

in this article.

08 Aug 1994 - Change title to reflect the actual file name.

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