



# Tech Info Library

## System 7.0 or 7.0.1 Installation (5/96)

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TOPIC -----

System 7.0 and 7.0.1 run on all Macintosh Plus and later Macintosh models that have 2 MB RAM (4 MB recommended) and a hard drive. However, some features are not available on all models. In addition, if you have a 68030 microprocessor or a 68020 microprocessor with a Paged Memory Management Unit (PMMU) installed, you can use the virtual memory feature.

DISCUSSION -----

### BACK UP YOUR HARD DISK

Copy the data on your hard disk to another hard disk or to floppy disks. There are several software utilities available that perform this operation. Or you can select the items you want to copy, and then drag them to the disk where you want to copy them. If you can't copy everything, at least copy your System Folder to another disk.

### RUN COMPATIBILITY CHECKER

If you do not have HyperCard 2.1, copy the application and the Home Card to your hard disk before proceeding.

- 1) Copy the Compatibility Checker HyperCard stack to your hard disk.
- 2) Double-click the Compatibility Checker stack to open it. The Introduction screen appears.
- 3) Click the Start Checking button. Compatibility Checker scans your hard disk. Progress messages appear on your screen. If Compatibility Checker finds potentially incompatible items, a screen appears.
- 4) Click one of the two buttons at the bottom of the screen. If you click the Move Items button, a dialog box appears.
- 5) Click the OK button. Compatibility Checker's report screen appears.
- 6) Click one of the four buttons at the bottom of the screen. (It's best to print the report and use it as a guide to update your software if necessary.)
- 7) When you're finished with Compatibility Checker, click the Quit button. If you previously moved items out of your System Folder, a message appears.

- 8) Click the OK button.
- 9) Choose Restart from the Special menu.
- 10) Update your software according to the four categories outlined in the Compatibility Report:

- Compatible -- No action needed.
- Mostly compatible -- No action needed. It's optional to get the more recent version.
- Must upgrade -- You must upgrade to a compatible version to use this item with System 7.0 or 7.0.1.
- Not available -- No information available. Contact the software developer directly.

#### VIRUS AND SECURITY SOFTWARE

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If you have installed virus protection or security software, you will need to remove them from the system. Follow removal instructions in the user manual provided with the software.

#### RUN DISK FIRST AID

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Disk First Aid software can detect and repair problems on a hard disk.

- 1) Double-click on Disk First Aid, and make sure the startup disk is selected. If it isn't, click the Drive button to select the startup hard disk.
- 2) Click on Open and then on Start. Disk First Aid will check your hard disk for any potential problems. If it finds problems, you should let the software repair them.
- 3) Repeat this procedure for each hard disk attached to the system.
- 4) When you're finished verifying the hard disks, choose Quit from the File menu to return to the desktop.

If Disk First Aid can't repair a hard disk, you should back up the hard disk and reinitialize it using the appropriate formatting utility for that drive. For Apple drives, use Apple HD SC Setup.

#### UPDATE HARD DISK DRIVERS

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If you do not have an Apple hard disk or use third-party software to format your disk, do not use the Apple HD SC Setup Utility. However, you should contact your hard disk vendor to verify that your formatting software is compatible with system software version 7.0 or 7.0.1.

If you have an Apple hard drive, you should update the drivers with the version of Apple HD SC Setup that's on the Disk Tools disk, following these steps:

- 1) Double-click the HD SC Setup icon to launch it.
- 2) Click on the Update button.
- 3) When you're finished, click Quit to return to the desktop.

If HD SC Setup can't update the hard disk driver (indicated by a "dimmed" Update button), consider these possibilities:

- If a third-party utility formatted your hard disk, you should obtain the latest version of the utility to update your hard disk.
- If a version of Apple HD SC Setup more recent than the version on the Disk Tools disk formatted your hard disk, don't update the hard disk drivers.
- If an earlier version of Apple HD SC Setup formatted the drive, it may not have left enough room for the updated driver. You don't have to update hard disk drivers. However, if you intend to use file sharing or have a Macintosh that can use virtual memory, then you need to back up the disk and reinitialize it with HD SC Setup. This erases the disk, so be certain you back up the hard disk first.
- If the driver is corrupt, the Macintosh doesn't recognize the drive (that is, the disk doesn't show on the desktop). You may wish to reinitialize it with HD SC Setup. This erases the disk, so be certain you back up the hard disk first.
- If the driver has been modified with compression or security software you will not be able to update the driver. Contact the vendor for additional help.

#### INSTALLING SYSTEM SOFTWARE

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System 7.0 and 7.0.1 software come as a set of 800K or high-density disks:

- The eight 800K disk set includes Disk Tools, Install 1, Install 2, Install 3, Printing, Fonts, Tidbits, and More Tidbits.
- The set of six 1.44MB high-density (or FDHD) disks includes Disk Tools, Install 1, Install 2, Printing, Fonts, and Tidbits.

- 1) Start up with the Install 1 disk. To do this, put the Install 1 disk in the startup floppy drive and turn on your Macintosh. A welcome message appears.
- 2) Click the OK button. The Easy Install screen appears.

At this point you have two options:

- Easy Install, which installs the Macintosh system software and printer software recommended for your computer

OR

- Customize Install, which lets you override the recommended software and choose exactly what to install.

#### Easy Install

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- 1) Click the Switch Disk button to select the disk where you want to install system software.
- 2) Click the Install button to do the Easy Install.
- 3) Follow the instructions on the screen. Messages appear, prompting you for the proper disks. When installation finishes, a dialog box appears.
- 4) Click the Quit Button.
- 5) Choose Restart from the Special menu.

#### Customize Install

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- 1) Click the Customize button.
- 2) Click the Switch Disk button to select the disk where you want to install system software.
- 3) Select the items you want to install. Shift-click to select multiple items. Your selections appear beneath the scrolling window.
- 4) When you've made your selections, click the Install button. Messages appear, prompting you for the proper disks. When installation finishes, a message appears.
- 5) Click the Quit button.

#### Net Install

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If someone has previously set it up, you can install system software over a network:

- 1) Connect to the shared disk that contains the Net Install folder.
- 2) Open the Net Install folder. A window appears.
- 3) Double-click the Installer icon.
- 4) Follow the instructions under Easy Install or Customize Install, which appear earlier in this document.

#### IF INSTALLATION FAILS

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If a normal installation fails, you need to do a clean system software installation. If you want to use the fonts installed in your old System file, you'll have to temporarily remove them. With versions of System 6, use Font/DA Mover to save fonts and desk accessories to a font suitcase.

- 1) Start up with the Disk Tools disk. To do this, shut down the Macintosh, insert the Disk Tools disk into the floppy drive, then start up your Macintosh.

If the computer ejects the Disk Tools disk and won't start up from it, be sure you have an Apple SuperDrive (formerly called FDHD). If your computer doesn't have a SuperDrive, you need 800K disks. Call

the Apple Order Center to get them.

The Tech Info Library article titled "Locating Vendor Information" can help you search for the Apple Order Center's phone number.

If you already have 800K disks, and your computer won't start up from the Disk Tools disk, you may have a computer that won't start from System 6. Use the Disk Tools disk that shipped with your Macintosh and continue with the following steps:

- 2) Double-click your hard disk icon to open it.
- 3) Double-click the System Folder to open it.
- 4) Create a new folder within the System Folder and name it "Old Finder."
- 5) Drag the Finder file within the System Folder to this new folder.
- 6) Restart your Macintosh. You should see a blinking question mark, indicating that the computer couldn't locate a valid System Folder on your hard disk.
- 7) Insert the first Install disk.
- 8) Reinstall system software following the instructions in the Install System Software section.
- 9) Reinstall the fonts you removed from the old System file. Drag the fonts to the System file.

#### INSTALL SYSTEM 7 TUNE-UP 1.1.1

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Install System 7 Tune-Up 1.1.1 on all Macintosh systems running system software version 7.0 or 7.0.1. Before installing System 7 Tune-Up 1.1.1 on your Macintosh, read the entire Read Me file on the Tune-Up disk or the System 7 Tune-Up Version 1.1.1 Installation Instructions included in the Tune-Up 1.1.1 package.

To insure proper software installation, always install system, printer, or network software, including System 7 Tune-Up 1.1.1, via the Installer. Be sure to install the System 7 Tune-Up software last.

During System 7 Tune-Up installation, AppleTalk is set to "Inactive" in the Chooser. You need to set AppleTalk to "Active" in the Chooser, and restart your Macintosh. Then you can open the Network control panel avoiding the message that "AppleTalk Remote Access has not been properly installed."

The first time you start your computer with Extensions on with Tune Up 1.1.1 installed, the System 7 Tuner installs an INIT resource into the System file. You can only see this INIT resource with a tool like ResEdit. After that first installation, you can start up with Extensions off.

The INIT loads from the System file, but the System 7 Tuner must be in the Extensions folder. If you throw away your system software and reinstall, you must start up with Extensions on with Tune-Up 1.1.1 installed.

System 7 Tune-Up 1.1.1 installs these files:

- System 7 Tuner 1.1 extension

- LaserWriter 7.1.1 driver
- StyleWriter 7.2.2 driver
- Chooser 7.1

Article Change History:

- 27 May 1996 - Updated for technical accuracy.
- 07 Feb 1995 - Included information about compression and security software.
- 29 Aug 1994 - Updated for FAX/TIL/QRG maintenance.

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