



## Read Before You Install Mac OS X

This document provides important information about installing Mac OS X that isn't in the Welcome to Mac OS X book. Read this document before you install Mac OS X to learn about supported computers, system requirements, and known issues.

For more information about Mac OS X, visit this Apple Web site:

- [www.apple.com/macos/](http://www.apple.com/macos/)

For the latest information about this release of Mac OS X, open Mac Help and click the More link under News.

For information about the support available for this product, see the AppleCare Software Services and Support Guide included with Mac OS X.

### Supported computers

You can install this version of Mac OS X on any of the following computers:

- Power Mac G4
- Power Macintosh G3
- PowerBook G4
- PowerBook G3 (except the original PowerBook G3)
- iMac
- iBook

### System requirements

Your computer must have

- at least 128 MB of RAM
- a built-in display or a display connected to an Apple-supplied video card
- at least 1.5 GB of disk space available

## Starting installation

To start installing Mac OS X, double-click the Install Mac OS X icon.



In Mac OS 9



In Mac OS X

If the Installer does not open, insert the CD and restart your computer while holding down the C key.

If the Installer still does not open, try selecting the Install Mac OS X CD as your startup disk by using Startup Disk preferences (if you are using Mac OS X) or the Startup Disk control panel (if you are using Mac OS 9).

## Updating your computer's firmware

Before you install Mac OS X, you may need to update your computer's firmware. Open the Firmware Updates folder (in the Utilities folder) on the Mac OS X CD to see if there is a Firmware Updater for your computer. If there is, use it to update your computer's firmware before you install Mac OS X.

You should also check for updates using Software Update preferences or the Software Update control panel. You may also find updates for your computer on the Apple Software Updates Web site:

- [www.info.apple.com/downloads/](http://www.info.apple.com/downloads/)

For example, if you have a Power Macintosh G3 (Beige) with an Apple Ultra Wide SCSI PCI card, you should update the firmware for the card using the Mac OS X SCSI Card Updater available on the Apple Software Updates Web site.

**Important** You may need to update the software for printers and other devices you use with your computer. Check with the manufacturers of the devices for the latest update.

## Upgrading to Mac OS 9.2.1

To use your Mac OS 9 applications with Mac OS X, you need Mac OS 9.1 or later installed on your computer. Your copy of Mac OS X may include the Mac OS 9.2.1 install CD or the Mac OS 9.2.1 Update CD, which you can use to upgrade.

If you have Mac OS 9.1 installed, you can upgrade to Mac OS 9.2.1 after you upgrade to Mac OS X v10.1.

If you don't have the CD and you are currently using Mac OS 9.1, you can upgrade by using the Software Update control panel. You can also download the update from the Apple Software Updates Web site.

If you have a version earlier than Mac OS 9.1 installed, it's recommended that you upgrade before you install Mac OS X.

## Formatting your hard disk

When you install Mac OS X, you can select to erase the destination disk and choose a format. In most cases, choose Mac OS Extended (HFS Plus).

**Important** Do not choose UNIX File System (UFS) unless you need to work with this format. If you do format the Mac OS X disk this way, you cannot use Classic and your Mac OS 9 applications.

If you need to partition your disk, choose Open Disk Utility from the Installer application menu and click Partition. Partitioning a disk erases it, so be sure to back up any files on the disk that you want to save.

## Reinstalling your system software

If you need to reinstall the system software on your computer, use the Software Install CD that came with your computer, then upgrade to the latest version of Mac OS 9 and Mac OS X, if necessary.

## Advice about hardware compatibility

### Identifying an original PowerBook G3 computer

You cannot install Mac OS X on the original PowerBook G3 computer. This computer has a small, six-color Apple logo on the top cover of the display. You can also look on the bottom of the computer for the Family Number (M3553).

### Installing on a PowerBook G3, an original Power Macintosh G3, or an iMac

If you install Mac OS X on a PowerBook G3 Series computer that does not have USB, an original Power Macintosh G3 (Beige), or an iMac with a CD drive tray (Rev. A, Rev. B, Rev. C, or Rev. D), be sure to install Mac OS X on a disk partition that is completely within the first 8 GB of the disk. If your hard disk is larger than 8 GB and it is not partitioned or the first partition is larger than 8 GB, you will need to reformat and partition your disk so that the first partition is less than 8 GB.

To see which partition to use, open Disk Utility if you are using Mac OS X or Drive Setup if you are using Mac OS 9. You can also choose Open Disk Utility from the Installer application menu. If you need to repartition your hard disk, be sure to back up your files first.

### Installing on a Power Macintosh G3 (Blue and White)

If you have a Power Macintosh G3 (Blue and White), do not choose UNIX File System as the format for the destination disk.

### Installing on a computer with a third-party SCSI card

If you have a third-party SCSI card installed in your computer and you cannot start up Mac OS X, attach a disk or terminator to one of the card's ports. If you continue to have problems, try removing the card.

### Installing on a computer with a third-party video card

If you have a third-party video card installed in your computer, you may need to remove it before you install Mac OS X. Contact the manufacturer of the card for more information about using the card with Mac OS X.

## Advice about installing

### Upgrading if you removed the earlier version of Mac OS X

If you removed the original version of Mac OS X, you need to reinstall it before you can upgrade to Mac OS X v10.1. To do so, insert your original Mac OS X CD and double-click the Install Mac OS X icon.

**Important** Do not select the checkbox to format your hard disk.

When you're finished reinstalling and your computer starts up using the original version of Mac OS X, you see messages that the Finder cannot locate a home folder. In addition, the Dock does not have the correct icons. This is corrected after you upgrade to Mac OS X v10.1.

To upgrade Mac OS X, eject the original Mac OS X CD by selecting it and choosing Eject from the File menu. Then insert your Mac OS X upgrade CD and double-click the Install Mac OS X icon. Follow the onscreen instructions to complete the upgrade.

After the upgrade finishes, the Setup Assistant appears so you can create a user account and enter other settings. When Mac OS X v10.1 starts up, you will use the new user account you created and the Dock will have the default icons.

### If you have problems starting up

If you are unable to start up using Mac OS X after you install the software, start up your computer using Mac OS 9. To do this, press the Option key while starting up, then select your Mac OS 9 system. If this does not work, press the Command, Option, P, and R keys while starting up. You can release the keys after you hear the startup sound a second time.

Then check for updates using the Software Updates control panel or visit the Apple Software Updates Web site.

## Installing different versions of Mac OS X

If you have Mac OS X installed on an original Power Macintosh G3 (Beige) computer or a PowerBook G3 Series computer and you are installing this release of Mac OS X on another partition of the same disk, it's best to install this release on the lowest numbered partition. If you do not, you may need to restart your computer after installing some software updates.

To see which partition is the lowest numbered partition, open Disk Utility if you are using Mac OS X or Drive Setup if you are using Mac OS 9. You can also choose Open Disk Utility from the Installer application menu.

## Installing Mac OS X on the same disk as Mac OS 9

To install Mac OS X on the same disk or disk partition as Mac OS 9, the disk must be in Mac OS Extended (HFS Plus) format. If the disk is not in this format, back up your files and reformat the disk.

## Upgrading from a server

You must install Mac OS X v10.1 from the CD. You cannot upgrade over a network by placing the Installer on a file server.

## Setting up to use PPPoE with DSL

This version of Mac OS X lets you connect to the Internet using PPPoE with your DSL service. The instructions you receive from your DSL provider may tell you to enter a number in the Domain Name Servers (DNS) text box of the software they provide for Mac OS 9. This information may not be correct for Mac OS X. If you enter this information in the DNS text box of the TCP/IP pane in Network preferences and you have trouble connecting to the Internet, try removing this number. If you still can't connect to the Internet using PPPoE with your DSL service, contact your service provider.

## Upgrading your Classic applications and other software

For best results with Classic, you may need to upgrade your Mac OS 9 applications and other software to the latest versions. Check with the manufacturers for the latest updates.

If you have an Apple Language Kit installed in the system used by Classic, check the Apple Software Updates Web site to get the latest versions of the fonts installed by your language kit.

## Installing the latest version of the Startup Disk control panel

If you are using Mac OS 9.1 or later, drag the Startup Disk control panel included on the Mac OS X CD to the System Folder on your hard disk.

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