WELCOME TO QUICKTIME 1.6.1

The QuickTime 1.6.1 software consists of

- the QuickTime system software extension
- a new version of the Macintosh Scrapbook
- a Scrapbook file with a sample movie

The QuickTime system software extension adds capabilities that let your application programs integrate graphics, sound, video, and animation into documents. By providing a standard way for all Macintosh programs to control these multimedia elements, QuickTime makes them easier to use.

In the new Scrapbook, you can cut, copy, paste, and play QuickTime movies. Larger images will also shrink to fit so that you can see the entire image in the Scrapbook window. This Scrapbook is otherwise identical to the standard Macintosh Scrapbook.

If you obtained QuickTime by purchasing it separately, by ordering it over the phone, or by downloading it from an electronic mail system, follow the instructions below to install the QuickTime extension and the new Scrapbook.

If QuickTime was already installed on your hard disk when you bought your computer, skip ahead to the section "Installing the Scrapbook."

INSTALLING QUICKTIME

To install QuickTime:

1. If you received a floppy disk labeled "QuickTime," insert it into your computer and open it. If you downloaded QuickTime electronically, make sure the QuickTime files you downloaded are visible.
2. Drag the QuickTime and Scrapbook icons from the QuickTime disk to your System Folder icon (not into the open folder).

3. Click OK in the dialog box that appears.
4. Restart your Macintosh.

INSTALLING THE SCRAPBOOK

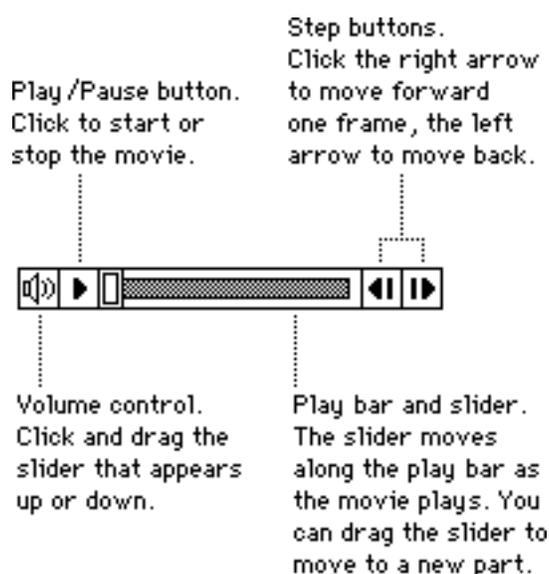Before you install the new Scrapbook file:

Installing the new Scrapbook File in your System Folder will delete your current Scrapbook File. If you have stored any items in your current Scrapbook that you want to keep, drag the Scrapbook File from your System Folder to any other folder. This prevents the file from being deleted when you install the new Scrapbook File. (To open the old Scrapbook File in the future, you'll need to move the new one out of your System Folder and move the old one back in.)

To install the new Scrapbook File:

1. Find the folder called Replacement Scrapbook File. (If QuickTime was already installed on your computer, this folder is on your computer's hard disk. If you obtained QuickTime separately, this folder is on the QuickTime disk.)
2. Drag the contents of the Replacement Scrapbook File folder to your System Folder icon.
3. If you haven't moved your old Scrapbook File out of the System Folder, a message asks you whether you want to replace it. Click OK to replace your old Scrapbook File.

To use the new Scrapbook File:

1. Choose Scrapbook from the Apple menu.
2. When a picture appears in the Scrapbook window, use the buttons in the movie control bar, shown below, to play the movie.

Step buttons.
Click the right arrow
Play /Pause button.   to move forward
Click to start or   one frame, the left
stop the movie.   arrow to move back.

Volume control.   Play bar and slider.
Click and drag the   The slider moves
slider that appears   along the play bar as
up or down.   the movie plays. You
                       can drag the slider to
                       move to a new part.

You can use standard Cut, Copy, and Paste commands to copy movies to and from the Scrapbook.

To copy a movie from the Scrapbook to a document, you need to use a program that supports QuickTime movies. If the program doesn't support movies, only a single PICT image is pasted into the document (the first frame of the movie segment in the Scrapbook).

NEW FEATURES OF QUICKTIME 1.6.1

Smaller Size

The QuickTime 1.6.1 system extension takes up only about 20K of memory when it is not in use.

Converting Audio Tracks to Movies

You can convert tracks from audio compact discs into movies and add the sound to your own movies. To convert an audio track, you must be using a program that can play QuickTime movies, and you must have an AppleCD 300 or 300i CD-ROM drive connected to your Macintosh. Follow these steps:

1. Insert an audio CD into your computer's CD-ROM drive.

2. In the program you are using, choose Open from the File menu.

3. Click Desktop, then double-click Audio CD.

4. Click the name of the audio track you want to convert to a movie.

5. Click Convert.

6. Type a name for the new movie, and choose a place to save it.
To choose additional settings or to trim the length of the movie, click Options.

7. When you are ready to convert the movie, click Save.
The audio track is saved as a QuickTime movie. You can now copy and paste sound from it into other movies.

Macintosh Easy Open Support

QuickTime 1.6.1 supports the Macintosh Easy Open system extension. You can use this extension to translate sound and image files from a variety of formats into QuickTime formats--just by double-clicking them.

ColorSync Support

QuickTime 1.6.1 supports ColorSync. You can use the ColorSync control panel to obtain accurate color in your compressed still-image files, for all the devices connected to your Macintosh.

Improved Grayscale
QuickTime 1.6.1 now supports 4-bit grayscale dithering, providing a wider range of shades of gray.

Smoother Text
You can now have smoother-looking (anti-aliased) text in the text track of movies.

Cinepak Compression-Decompression Software
The Apple Compact Video compression-decompression software is now called Cinepak. The features and functionality of the software have not changed.

USING THE QUICKTIME EXTENSION

You do not interact directly with the QuickTime extension. It works behind the scenes as part of your system software, providing new features to the application programs that support QuickTime. The specific features of QuickTime that you use and how they are presented depend on the programs you use.

TO LEARN EVEN MORE

The best way to get started with QuickTime is to purchase the QuickTime Starter Kit from Apple Computer. This kit contains four programs with which you can play and edit QuickTime movies, convert existing files to movies, record video or audio movies (with digitizing hardware), and compress still photos. The kit also includes a CD-ROM disc filled with examples of QuickTime video, animation, and photos, and a catalog of products that work with QuickTime.

The QuickTime Starter Kit is available from your local hardware or software dealer.

Welcome to the Multimedia Starter CD-ROM!

As the proud owner of a new CD-ROM drive and speakers, you will find this CD offers you a glimpse of the new world of multimedia and the exciting titles that can bring you and each member of your family hours of enjoyment. (By the way, the disc also contains some hidden secrets which you will have to discover on your own). But before you begin, please follow these simple instructions:

• Download the appropriate system additions into your "System Folder." They are located in the folder called "Macintosh System Updates."

The QuickTime update is required if you do not have QuickTime 1.6.1 or 1.6.2 in your System folder. To install QuickTime, simply drag the QuickTime icon onto your System folder. (Do not open the folder). Macintosh will install the extension in the proper location automatically. If you are using System 6.0.7, drag the icon into the System folder.
Power Macintosh computers come equipped with QuickTime 1.6.2 and do not need this addition.

Before installing the QuickTime scrapbook file, read the directions in the "Macintosh System Updates" folder. For more information about QuickTime and the new AppleCD 300 plus drive, see the documents in the folder titled "For More Information."

Other System additions include a new Sound Manager and "Sound" control panel for System 7.0 and 7.01 users, "System Update 2.0" for System 7.1 users, and a utility called MacCheck which will examine the contents of your hard disk and inform you if any problems exist with current files.

• Drag the multi-colored ball icon labeled "MM Starter" from the Starter CD onto your hard disk.

• If you are using a system with less than 5 megabytes RAM, you may have trouble running the CD. Do not use virtual memory. In order to give extra RAM to the CD, we suggest you do the following:

1. Before viewing the Multimedia Starter CD, please go to the "Extensions Manager" which can be found in your System 7 "Control Panels" folder. Turn off all extensions which are not related to the CD-ROM. If you do not have the "Extensions Manager," drag the extensions you do not need into a separate folder named "Extensions Disabled." Extensions which should NOT be turned off or removed include:

> - Apple CD-ROM
> - CD-Remote INIT
> - Foreign File Access
> - Hardware System Update (System 7.1 only)
> - QuickTime™
> - Sound Manager

2. Screen savers, networking, Adobe Type Manager and active NuBus Boards should be turned OFF.

3. While you are looking at your "Control Panels," we suggest the following settings:

      – Monitors: 256 colors or higher
      – Memory:
                                Disk Cache to 32K,
                                Virtual Memory OFF
                                32–bit Addressing ON,
                                RAM disk OFF

• Restart your Macintosh computer.

• To start the program, double–click on the "MM Starter" icon on your hard disk drive.

For computers with 4 MB RAM: You may find that another megabyte of RAM will be required to view the CD properly if your system folder is larger than 1.3 megabytes. Low memory may eliminate the sound from some portions of the CD–ROM or cause QuickTime movies to play in a jerky manner.

For computers with 5 MB RAM or more: The CD has been optimized for your configuration. No changes are necessary unless you have an unusually large system folder.

Special thanks to Chipp Walters at Human Code in Austin, Texas, and Rick Wylie at the Options Group for making this CD–ROM possible.

WELCOME TO QUICKTIME 1.6.1

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The QuickTime system software extension adds capabilities that let
your application programs integrate graphics, sound, video, and
animation into documents. By providing a standard way for all
Macintosh programs to control these multimedia elements, QuickTime
makes them easier to use. If you have a new Power Macintosh,
QuickTime 1.6.2 has already been installed and you will not need
this extension.

In the new Scrapbook, you can cut, copy, paste, and play QuickTime
movies. Larger images will also shrink to fit so that you can see
the entire image in the Scrapbook window. This Scrapbook is
otherwise identical to the standard Macintosh Scrapbook.

Follow the instructions below to install QuickTime:

INSTALLING QUICKTIME

1. Drag the QuickTime icon from the Starter CD "Macintosh Systems
Update" folder
onto the System folder icon on your hard disk. (Do not open the
System folder)

2. Click "OK" when the dialog box appears and Macintosh will
automatically install the extension in the proper location.

3. Restart your Macintosh.

See the "Scrapbook File Read Me" document before installing the new
Scrapbook Control Panel.

For more information about the features of QuickTime, you are
invited to examine the QuickTime Read Me document in the folder
titled "For More Information."

SCRAPBOOK FILE

The Scrapbook file in this folder contains a short animated movie to
illustrate how you can play and copy QuickTime movies to and from
your Scrapbook.

BEFORE YOU INSTALL THE NEW SCRAPBOOK FILE

Installing the new Scrapbook File in your System Folder will delete
your current Scrapbook File. If you have stored any items in your
current Scrapbook that you want to keep, drag the Scrapbook File
from your System Folder to any other folder. This prevents the file
from being deleted when you install the new Scrapbook File. (To open
the old Scrapbook File in the future, you'll need to move the new
one out of your System Folder and move the old one back in.)

TO INSTALL THE NEW SCRAPBOOK FILE

1. Drag the contents of the Replacement Scrapbook File folder to
your System Folder icon.

2. If you haven't moved your old Scrapbook File out of the System
Folder, a message asks you whether you want to replace it. Click OK
to replace your old Scrapbook File.

TO USE THE NEW SCRAPBOOK FILE

1. Choose Scrapbook from the Apple menu.

2. When a picture appears in the Scrapbook window, use the buttons
in the movie control bar, shown below, to play the movie.

You can use standard Cut, Copy, and Paste commands to copy movies to

and from the Scrapbook. To copy a movie from the Scrapbook to a document, you need to use a program that supports QuickTime movies. If the program doesn't support movies, only a single PICT image is pasted into the document (the first frame of the movie segment in the Scrapbook).

MACINTOSH HARDWARE SYSTEM UPDATE 2.0

WHAT IS THE MACINTOSH HARDWARE SYSTEM UPDATE?

The Macintosh Hardware System Update is a set of software
enhancements that improves the performance of certain Macintosh
computers running System 7.1. (Note: This update is not intended
for Macintosh Performa users, and will be useful only if you have
Macintosh system software version 7.1 installed on your computer.)

HOW TO INSTALL THE MACINTOSH HARDWARE SYSTEM UPDATE

The Installer program on the Macintosh Hardware System Update 2.0
disk automatically determines what updated system software your
computer needs, if any. Depending on the model Macintosh you own,
different elements of the update software will apply to your system.
The Easy Install process selects only the updates that your
particular Macintosh needs so that you don't need to determine what
to install.

To complete the Easy Install process, 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 the Macintosh Hardware System Update 2.0 disk into your
computer.
3. Double-click the Installer icon.
4. Read the Welcome screen and then click OK.
5. Click the Install button.
6. When you see a message that installation is complete, click the
Restart button.

To make your own software selections, choose Customize in place of
step 5, then follow the instructions in the Installer program to
select specific enhancements to install.

Once you have installed the Hardware System Update using either Easy
Install or Customize, be sure to follow the additional updating
procedures listed in "Updating Apple Utilities" and "Updating Apple
Drivers" below.

(Note: If the Hardware System Update 1.0 was already installed on
your computer, this update will replace it.)

WHAT THE MACINTOSH HARDWARE SYSTEM UPDATE DOES

This system update delivers a number of software enhancements to
Macintosh users. Some of these improvements are Macintosh-model
specific while others apply to a range of models. Following are
brief descriptions of the enhancements found in the Macintosh

Hardware System Update 2.0. The update:

• Provides a number of system-level improvements to increase overall system reliability on most Macintosh models.

• Improves the reliability of high-speed modems and similar devices connected to Macintosh LC, LC II, IIsi, IIvx, IIvi, Macintosh Classic II, Macintosh Quadra 900, and Macintosh Quadra 950 computers.

• Improves the accuracy of the system's clock in Macintosh LC, LC II, IIsi, IIvx, IIvi, Macintosh Classic II, Macintosh Quadra 900, and Macintosh 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, Macintosh Centris, Macintosh Quadra, and Macintosh PowerBook and PowerBook Duo computers.

• Corrects color problems you may have with the Apple Basic Color monitor on Macintosh Centris and Macintosh Quadra computers.

• Removes horizontal white lines that may appear while scrolling on Quadra and Centris systems with a Macintosh 16" Color Display.

• Includes Apple HD SC Setup version 7.2, which gives you more flexibility to format large Apple hard disks between 1 and 2 gigabytes. (Note: We recommend that you update your hard disk drivers and also update the version of this utility that is on your System 7.1 Disk Tools disk. See "Updating Apple Utilities" and "Updating Apple Drivers" below.)

• Includes Apple Disk First Aid 7.1.1, a utility that repairs damaged disks. (Note: We recommend that you update the version of this utility that is on your System 7.1 Disk Tools disk. See "Updating Apple Utilities" and "Updating Apple Drivers" below.)

• Updates the Macintosh PowerBook Control Panel and Express Modem software to support standard communications software.

• Updates System Enabler 131 (version 1.0.2) for the PowerBook 160, 165c, and 180 to support 12" monitors and improve reliability.

• Enhances the Sound Manager 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 beep in the Sound control panel to your preferred sound.)

• Adds software for the Apple Adjustable Keyboard, allowing you to connect the keyboard to any Macintosh computer without separately

installing special keyboard software.

• Updates the Memory control panel to version 7.1.1, fixing possible memory problems using large RAM disks with System 7.1.

• Updates the Macintosh Color Classic System Enabler (System Enabler 401, version 1.0.5), which enables you to add the Apple IIe Card and software to the Color Classic. In addition, the System Enabler improves mouse performance on the Color Classic. (Note: To use the Apple IIe Card with System 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 reseller, or through AppleLink: Apple Products: Apple II: Apple II Product Information: Apple IIe Card.)

• Includes the 720K Floppy Disk Formatter extension to allow you to format low—density floppy disks as 720K MFM disks. (To install this option, choose Customize, select the 720K Floppy Disk Formatter extension, then click Install.)

• More efficiently manages the way fonts use memory.

UPDATING APPLE UTILITIES

The Utilities ƒ folder on the Hardware System Update 2.0 disk contains the latest versions of the Apple HD SC Setup and Apple Disk First Aid applications. These updates are intended to permanently replace the copies of Apple HD SC Setup and Apple Disk First Aid that come on your System 7.1 Disk Tools disk. Follow these steps to complete the updates:

1. Put the Hardware System Update 2.0 disk into your floppy disk drive. Then choose Eject Disk from the Special menu.

2. Put the System 7.1 Disk Tools disk into your floppy disk drive.

3. Click the Utilities ƒ window to make it active, and then choose Select All from the Edit menu.

4. Click either icon in the Utilities ƒ window and drag it on top of the icon for the Disk Tools disk, then release the mouse button. (Note: Both the HD SC Setup and the Disk First Aid icons should have moved to the Disk Tools disk. If only one icon moved, you can try to repeat steps 3 and 4, or simply click and drag the icon that did not move from the Utilities ƒ folder to the Disk Tools disk.)

5. 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.

6. You will be asked to insert specific disks until the files are fully copied.

UPDATING APPLE DRIVERS

The Hardware System Update also contains a driver update for Apple
hard disk drives. You should install the driver update on each Apple
hard disk drive you own by following these steps:

1. With your computer off, insert the updated System 7.1 Disk Tools
disk into your floppy disk drive. Now turn your computer on. (Note:
The Disk Tools disk should already be modified according to the six
steps listed in "Updating Apple Utilities" above.)

2. Double-click the Disk Tools icon to open the disk.

3. Double-click the Apple HD SC Setup icon in the Disk Tools
window.

4. Click the Drive button until the name of the hard disk you want
to update appears as the volume name.

5. Click the Update button.

6. Repeat steps 4 and 5 for any other Apple hard disk drives you
own.

7. Click the Quit button.

For more information on Apple HD SC Setup and Apple Disk First Aid,
refer to your Macintosh user's guides.

Apple strives to provide maximum reliability for its customers. This
update is provided to address specific improvements for many Apple
Macintosh hardware customers.

This Read Me document provides late-breaking and important news about the AppleCD 300 Plus drive and the software for it.

VIEWING LARGE PHOTO CD IMAGES
Some programs, such as TeachText, may have difficulty opening large (high-resolution) image files on a Photo CD. To view these images, you can change the application program that opens the Photo CD images and use a program designed to handle larger files. See the manual that came with the CD-ROM drive for more information. You can also change the amount of memory a program uses. See the manuals that came with your computer for more information on managing memory.

DISPLAYING COLOR ICONS FOR IMAGES ON PHOTO CDS
When your computer is low on memory, it may have problems displaying color icons for the images on a Photo CD. Although some icons may appear as black-and-white document icons, the Photo CD images themselves are not affected. To display color icons, quit all open programs, restart your computer, and reopen the Photos folder on your Photo CD. See the manuals that came with your computer for more information on managing memory.

SETTING SOUND OPTIONS FOR SOME MACINTOSH COMPUTERS
Some Macintosh computers (such as the Macintosh Quadra 660AV and 840AV) have special sound recording options. If you don't hear any sound when you play an audio CD or an audio track on a CD-ROM disc, you may have the sound options set incorrectly. To change the options, open the Sound control panel, choose Sound In from the pop-up menu at the top of the panel, and then select the Built-In icon for the audio source. Click the Options button, select Internal CD, make sure the Playthrough box is checked, and click OK. See the manuals that came with your computer for more information.

ADJUSTING THE VOLUME FOR SOME MACINTOSH COMPUTERS
Some Macintosh computers allow you to increase or decrease the volume of sound through the Sound control panel, as well as through the volume control in your audio CD software. The manuals that came with your computer describe the Sound control panel if your computer has one. The manual that came with your CD-ROM drive describes the audio CD software.

DISPLAYING THE TOTAL PLAYING TIME FOR CUSTOMIZED PLAY LISTS IN APPLECD AUDIO PLAYER
If the total playing time of your customized Play List for an audio CD is longer than 99 minutes and 59 seconds, the Time display in the AppleCD Audio Player shows 99.99. (The Time display can't display times of more than 2 digits and 2 decimal points.)

WORKING WITH PHOTO CDS IN SYSTEM 6
If you have System 6 and want to view Photo CDs, turn MultiFinder on before you insert a Photo CD into your CD-ROM drive. If you are in the Finder, your computer may not have enough memory to start up the Photo CD. (See manuals that came with your computer for instructions

on how to turn MultiFinder on.) Once you turn MultiFinder on, place
the Photo CD in the tray of the CD-ROM drive and push the tray in
(or press the Open/Close button) to close the tray of the CD-ROM
drive. In a few moments, the Photo CD disc icon appears; you can now
view images on the Photo CD.

USING THE SLIDE SHOW VIEWER IN SYSTEM 6
If you view photographic images in a sequence using the Slide Show
Viewer and you want to look at images from more than one Photo CD,
do not start up the Slide Show Viewer from the Photo CD. Copy the
Slide Show Viewer onto your hard disk, and use that copy to view
photos. If you start up the Slide Show Viewer from the Photo CD, you
will experience problems when you insert the next Photo CD.

EJECTING CD-ROM DISCS IN AT EASE
If you are using At Ease (an alternative to the usual Macintosh
desktop) and you want to eject a CD-ROM disc, make sure you eject
the disc before you shut down your computer. The Open/Close button
of your CD-ROM drive does not work when the computer is shut down.
To eject a disc while using At Ease: Choose the Eject command from
the Special Menu. Remove the disc and close the tray by pushing it
in or pressing the Open/Close button.
WARNING: If you shut down your computer before you eject a disc
while you are using At Ease, the tray of the CD-ROM drive opens and
then closes immediately. If you attempt to remove the disc as the
tray opens or closes, you may damage the disc or the tray of the CD-
ROM drive. (To remove a disc from the CD-ROM drive after you have
shut down your computer: Start up your computer, then choose the
Eject command from the Special Menu. Remove the disc and close the
tray by pushing it in or pressing the Open/Close button. Then you
can shut down your computer again.)

FULL INSTRUCTIONS
See the manual that came with your CD-ROM drive for full
instructions on using the CD-ROM drive.