
What's New in QuickTime 6.5



2003-12-22



Apple Inc.
© 2003 Apple Computer, Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, iTunes, Mac, Mac OS, Macintosh, and QuickTime are trademarks of Apple Inc., registered in the United States and other countries.

PowerPC and the PowerPC logo are trademarks of International Business Machines Corporation, used under license therefrom.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, **APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE**

ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

Chapter 1 **What's New in QuickTime 6.5** 5

Documentation and Other Resources 5

Installing QuickTime 6.5 5

 Hardware and OS Requirements 5

 Updating Earlier Versions 6

Overview 6

 QuickTime 6 In Perspective 6

New Features of QuickTime 6.5 6

Summary of QuickTime 6 Versions 7

What's New in QuickTime 6.5

Welcome to QuickTime 6.5 for Mac OS X and Windows.

This document provides details of some of the new features, changes, and enhanced capabilities that are available in QuickTime 6.5.

If you are a QuickTime developer, content author, multimedia producer or Webmaster who is currently working with QuickTime, you should read this document.

Documentation and Other Resources

This document is intended to provide QuickTime developers with detailed information to support their programming and development efforts. It is designed to supplement the information provided in *Inside QuickTime: API Reference* and the suite of QuickTime documentation available online, in HTML and PDF, at <http://developer.apple.com/documentation/QuickTime/QuickTime.html>.

Updates to the QuickTime technical documentation website are provided on a regular basis. Developers can also subscribe to various mailing lists for the latest news and information. To sign up for any of Apple's Developer Programs, go to <http://developer.apple.com/membership/index.html>.

Installing QuickTime 6.5

QuickTime 6.5 is available as a standalone download for Mac OS X version 10.2.5 and later. The download site is www.apple.com/quicktime/download/.

Macintosh users can also use the Software Update mechanism in Mac OS X to update QuickTime 6.0, 6.0.1, 6.0.2, 6.1, 6.1.1, 6.2, 6.3, or 6.4 to QuickTime 6.5.

Hardware and OS Requirements

QuickTime 6.5 for Mac OS X requires the following minimum hardware configuration:

- Mac OS X version 10.2.5 or later
- PowerPC G3 or better running at 400 MHz or higher
- At least 128 MB of RAM

QuickTime 6.5 for Windows requires the following minimum hardware configuration:

- Windows 98/Me/2000/XP

- A Pentium processor-based PC or compatible computer
- At least 128 MB of RAM

Updating Earlier Versions

QuickTime 6.5 replaces and updates various dot releases of QuickTime 6 for Mac OS X and Windows.

Important: A Mac OS 9 version is not included in QuickTime 6.5. QuickTime 6.0.3 was the last Mac OS 9 version available to QuickTime users.

The QuickTime 6.5 system software, including the QuickTime Player application, is a free upgrade for QuickTime 6 users. No new Pro key is required; QuickTime 6 Pro keys will unlock the Pro features of QuickTime 6.5.

Overview

The QuickTime API comprises more than 2500 functions that provide services to applications. These services include audio and video capture and playback, movie editing, composition, and streaming, still image display, audio-visual interactivity, and so on.

Although QuickTime 6.5 does not include any new APIs, it contains a number of enhancements to the functionality accessed through existing APIs. These enhancements are listed below in “[New Features of QuickTime 6.5](#)” (page 6).

QuickTime 6 In Perspective

QuickTime 6, introduced in 2002, represented a major advance in Apple technology. Because QuickTime 6 supports ISO-compliant MPEG-4 video and audio, both encode and decode, you can create and play back MPEG-4 video and audio content and use Advanced Audio Coding (AAC).

In subsequent releases of QuickTime 6, additional support has been provided for 3GPP authoring, playback, and delivery, and for Unicode text handling.

New Features of QuickTime 6.5

QuickTime 6.5 adds the following functionality and improvements to QuickTime:

- Support for the 3GP2 file format for wireless multimedia.
- Support for the AMC file format for wireless multimedia.
- Support for the QCELP voice codec in 3GP2 and AMC files.
- Support for Movie Fragments for 3GP2.
- New and improved export dialogs for creating 3G content (3GPP, 3GP2, and AMC).

- Support for Unicode text import and playback on Windows 2000 and XP, rendered using Uniscribe.
- Improved performance and reliability of text handling in Windows.
- Several performance enhancements and significant improvements in reliability in the QuickTime API, QuickTime Player, and the QuickTime browser plug-in.

Summary of QuickTime 6 Versions

The following table summarizes the different point releases of QuickTime 6.

QuickTime version	Mac OS X	Windows	Mac OS 9	Features
6	x	x	x	MPEG-4 and lots more.
6.0.1	x	x	x	Bug fix for QuickTime 6.
6.0.3			x	Bug fixes to address security issues. Mac OS 9 only.
6.1	x	x		Improved MPEG-4 video, full-screen modes, wired actions.
6.2	x			Support for iTunes 4, enhanced AAC codec, limited DRM.
6.3	x	x		Improved AAC codec, 3GPP support, which includes AMR codec.
6.4	x	x		New data reference functions, true multithreading, new graphics functions, component and movie property access, other API additions.
6.5	x	x		Support for 3GP2 and AMC files including the QCELP voice codec; support for Unicode text import and playback in Windows.

