Welcome to *A World Alive*!

We hope you enjoy this product.

This product uses Apple Computer's QuickTime for Windows as its video playback mechanism. If you are experiencing problems with the video clips in *A World Alive*, please refer to the following list from Apple which discussus compatibility issues for many sound and video cards.

**QuickTime
for
Windows 1.1.1
Hardware Compatibility List
November 30, 1993**

This document is meant to be an aid to developers who are working with and distributing QuickTime for Windows per their license agreement. The list is by no means comprehensive but has grown substantially over the past year. The Video and Audio Hardware adapters are divided into three basic classifications Supported, Compatible and Incompatible.

o   Supported hardware/driver combinations are those that have been tested as part of the QTW development plan and are considered benchmarks to the product.

o   Compatible hardware/drivers are those combinations that have been tested but not as thoroughly as Supported items but appear to function adequately.

o   Incompatible hardware/driver combinations are those recognized as having significant problems in appearance or behavior with QTW.

Another category that we've added to our report is Optimized.

Optimized video hardware/driver combination allows QTW to write directly to the video memory speeding up video performance significantly.

When ever possible the Name of the manufacture, product name,
driver date or version when known, and depth in the case of video drivers is listed.

Supported Video

Adapter	Driver	Depth	Resolution	Optimized?
Standard VGA	Windows VGA	4	640x350	No
Standard EGA	Windows EGA	4	640x480	No
IBM 8514	Windows	8	1024x768	No
IBM XGA	07/27/92	4	640x480	No
IBM XGA	07/27/92	16	1024x768	No

Only XGA20 supports 16-bit color. Do NOT use the drivers supplied with Windows 3.1. Instead, use the drivers supplied by IBM.

Adapter	Driver	Depth	Resolution	Optimized?
ATI VGA XL	04/09/92	4	800x600	Yes
ATI VGA XL	04/10/92	8	1024x768	Yes

ATI VGA XL	04/20/92	16	800x600	Yes
ATI ULTRA	04/22/92	8	1024x768	No
ATI ULTRA	OEM	16	640x480	No
ATI Mach 32	01/05/93	8	640x480	Yes
ATI Mach 32	01/05/93	16	1024x768	Yes
Orchid IIs	03/01/92	8	800x600	Yes
Orchid IIs	03/01/92	16	800x600	Yes
Video 7 VRAM2 ERGO	03/10/92	8	800x600	Yes
Orchid Fahrenheit VA	02/19/93	8	640x480	Yes
Orchid Fahrenheit 1280	08/10/92	8	640x480	Yes
Orchid Fahrenheit 1280	08/10/92	16	800x600	Yes
Diamond Stealth	09/25/92	8	640x480	Yes
Diamond Stealth	09/25/92	16	640x480	Yes
Diamond SpeedStar 24x	04/28/92	8	1024x768	Yes
Diamond SpeedStar 24x	04/28/92	16	800x600	Yes
Diamond SpeedStar 24x	04/28/92	24	640x480	Yes

Supported Audio

Adapter	Driver	date

Creative Labs SoundBlaster Pro   SBPSND.DRV   05/15/92
This driver has a know bug that effects all Windows applications that use sound where at times a portion of the sound will be repeated several times.

Creative Labs SoundBlaster Pro   SBPSND.DRV   02/05/92
This driver some times 'sticks' on a sound.

Creative Labs SoundBlaster Pro 16   SB16SND.DRV 04/14/93

Creative Labs ThunderBoard   SNDBLST2.DRV   03/10/92
Creative Labs ThunderBoard   SNDBLST2.DRV   05/13/92 DEL

Media Vision ProAudio Spectrum   MVPROAUD.DRV   02/03/93 1.3

Media Vision ProAudio Spectrum Plus   MVPROAUD.DRV   02/03/93 1.3
Make the following modifications to the QTW.INI file.
[Sound]
RequestedRate=22095
ActualRate=22536

Media Vision ProAudio Spectrum 16   MVPROAUD.DRV   02/03/92

Media Vision Audio Port   MVAPORT.DRV 04/14/92
Does not support sound sampled at above 11khz.

Make the following modifications to the QTW.INI file.
[Sound]
RequestedRate=11025
ActualRate=11025

| Microsoft Sound System | SNDSYS.DRV | 09/21/92 1.0 |

Cardinal Technologies Sound Studio   TAPIGSS1.DRV12/28/92

Orchid Sound Producer Pro.   PRODUCER.DRV   01/13/93
Orchid Sound Producer Pro.   PRODUCER.DRV   10/01/92

Turtle Beach MultiSound   MULTISND.DRV   08/27/92 1.1

ATI Stereo F/X   SFX.DRV   05/04/92

Compatible Video

Adapter	Driver	Depth	Resolution	Optimized?
Actix Graphics Engine Ultra Plus	03/25/93	16	1024x768	No
Actix Graphics Engine Ultra Plus	03/25/93	8	1024x768	No
Actix Graphics Engine Ultra Plus	03/25/93	16	800x600	No
Actix Graphics Engine Ultra Plus	03/25/93	8	800x600	No[DEL]
Actix Graphics Engine Ultra Plus	03/26/93	24	640x480	No
Actix Graphics Engine Ultra Plus	03/25/93	16	640x480	No[DEL]
Actix Graphics Engine Ultra Plus	03/25/93	8	640x480	No
ATI VGA XL	08/14/92 1.42	16	640x480	No
ATI VGA XL	04/20/92	8	800x600	Yes
ATI VGA XL	04/10/92	16	640x480	Yes
ATI VGA XL	04/20/92	8	640x480	Yes
ATI VGA XL	06/25/92	8	1024x768	Yes
ATI VGA XL	06/25/92	8	800x600	Yes
ATI VGA XL	07/28/92	16	640x480	Yes
ATI VGA XL	06/25/92	8	640x480	Yes
ATI VGAWONDER XL24	06/25/92	8	1024x768	Yes
ATI VGAWONDER XL24	07/28/92	16	800x600	Yes
ATI VGAWONDER XL24	06/25/92	8	800x600	Yes
ATI VGAWONDER XL24	07/28/92	16	640x480	Yes
ATI VGAWONDER XL24	06/25/92	8	640x480	Yes
ATI Graphics Ultra	08/14/92	4	800x600	No
ATI Graphics Ultra	08/14/92	4	640x480	No

ATI Graphics Ultra		06/25/92	8	640x480	No
ATI Graphics Ultra Pro		03/10/92	8	8514/a	No
ATI Graphics Ultra Pro		03/13/93	8	1280x1024	Yes
ATI Graphics Ultra Pro		03/13/93	16	1024x768	Yes
ATI Graphics Ultra Pro		03/13/93	8	1024x768	Yes
ATI Graphics Ultra Pro		03/13/93	24	800x600	No
ATI Graphics Ultra Pro		03/13/93	16	800x600	No
ATI Graphics Ultra Pro		03/13/93	8	800x600	Yes
ATI Graphics Ultra Pro		03/13/93	16	640x480	No
ATI Graphics Ultra Pro		03/19/93	24	640x480	No
ATI Graphics Ultra Pro		03/19/93	16	640x480	No
ATI Graphics Ultra Pro		03/19/93	8	640x480	Yes
ATI Graphics/Pro		11/27/92	8	1024x768	No
ATI Graphics/Pro		11/27/92	16	640x480	No
Dell 466/M	S3	09/04/92(1.2)	4	1280x1024	Yes
Dell 466/M	S3	09/04/92(1.2)	8	1024x768	Yes
Dell 466/M	S3	09/04/92(1.2)	8	800x600	Yes
Dell 466/M	S3	09/04/92(1.2)	4	800x600	Yes
Dell 466/M	S3	09/04/92(1.2)	15	640x480	Yes
Dell 466/M	S3	09/04/92(1.2)	8	640x480	Yes
Diamond Stealth Pro		12/07/92	8	1280x968	No
Diamond Stealth Pro		12/07/92	8	1280x1024	No
Diamond Stealth Pro		12/16/92	16	1024x768	No
Diamond Stealth Pro		01/06/93	8	1024x768	No
Diamond Stealth Pro		12/18/92	16	800x600	No
Diamond Stealth Pro		01/06/93	8	800x600	No
Diamond Stealth Pro		02/23/93	24	640x480	No
Diamond Stealth Pro		01/06/93	16	640x480	No
Diamond Stealth Pro		01/06/93	8	640x480	No
Diamond SpeedStar 24		04/14/92	8	1024x768	Yes
Diamond SpeedStar 24		04/14/92	15	800x600	No
Diamond SpeedStar 24		04/14/92	8	800x600	Yes
Diamond SpeedStar 24		04/14/92	15	640x480	No
Diamond SpeedStar 24		04/14/92	8	640x480	Yes
Diamond Viper VLB		04/27/93	8	1152x900	Yes
Diamond Viper VLB		04/27/93	16	1024x768	Yes
Diamond Viper VLB		04/27/93	8	1024x768	Yes
Diamond Viper VLB		04/27/93	24	800x600	No
Diamond Viper VLB		04/27/93	16	800x600	Yes
Diamond Viper VLB		04/27/93	8	800x600	Yes
Diamond Viper VLB		04/27/93	24	640x480	No
Diamond Viper VLB		04/27/93	16	640x480	Yes
Diamond Viper VLB		04/27/93	8	640x480	Yes

Support for the P9000 was added in QTW 1.1.1.

Genoa Windows VGA 8500	02/16/93	8	1024x768	Yes
Genoa Windows VGA 8500	10/23/92(turbo)	16	800x600	Yes
Genoa Windows VGA 8500	08/24/92	16	800x600	Yes
Genoa Windows VGA 8500	10/28/92	8	800x600	Yes

Genoa Windows VGA 8500	12/01/92(turbo)	24	640x480	No
Genoa Windows VGA 8500	10/14/92	24	640x480	No
Genoa Windows VGA 8500	11/11/92(turbo)	16	640x480	Yes
Genoa Windows VGA 8500	08/24/92	16	640x480	Yes
Genoa Windows VGA 8500	10/28/92	8	640x480	Yes

Support for the Cirus Logic CL-GD5426 GUI was added in QTW 1.1.1.

IBM XGA2	07/27/92	8	640x480	No
IBM XGA2	07/27/92	16	640x480	No
IBM XGA2	07/27/92	8	800x600	No
IBM XGA2	07/27/92	16	800x600	No

QTW supports IBM XGA2 starting with version 1.1.

Orchid Fahrenheit VA	02/19/93 10:00	16	1024x768	Yes
Orchid Fahrenheit VA	02/19/93 10:00	24	640x480	Yes

Orchid VLB (Local Bus)	02/19/93	16	800x600	Yes
Orchid VLB (Local Bus)	02/19/93	15	800x600	Yes
Orchid VLB (Local Bus)	02/19/93	8	800x600	Yes
Orchid VLB (Local Bus)	02/19/93	24	640x480	No

Movies shifted to the left, a few pixels in 24 bit mode . Rebooting fixes the problem.

Orchid VLB (Local Bus)	02/19/93	16	640x480	Yes
Orchid VLB (Local Bus)	02/19/93	15	640x480	Yes
Orchid VLB (Local Bus)	02/19/93	8	640x480	Yes

Orchid Fahrenheit 1280	08/10/92 10:00	15	800x600	No
Orchid Fahrenheit 1280	08/10/92 10:00	8	800x600	Yes
Orchid Fahrenheit 1280	08/10/92 10:00	16	640x480	No
Orchid Fahrenheit 1280	08/10/92 10:00	15	640x480	No

Orchid Pro designer IIs/D 1.1	04/7/92	15	800x600	No
Orchid Pro designer IIs/D 1.1	04/7/92	8	800x600	Yes
Orchid Pro designer IIs/D 1.1	04/7/92	8	640x480	Yes

Orchid Pro II	03/01/92	8	1024x768	Yes
Orchid Pro II	03/01/92	15	800x600	No
Orchid Pro II	03/01/92	8	800x600	Yes
Orchid Pro II	03/01/92	15	640x480	No
Orchid Pro II	03/01/92	8	1024x768	Yes

Sigma Legend GX	04/01/92(1.13)	8	1024/768	No
Sigma Legend GX	04/01/92(1.13)	8	800x600	No
Sigma Legend GX	03/31/92(1.13)	8	640x480	No
Sigma Legend GX	04/01/92(1.13)	8	640x480	No

Sigma Legend 24X	11/13/92	8	1024x768	No
Sigma Legend 24X	11/13/92	16	800x600	No
Sigma Legend 24X	11/13/92	8	800x600	No
Sigma Legend 24X	11/14/92	24	640x480	No
Sigma Legend 24X	11/13/92	16	640x480	No
Sigma Legend 24X	11/13/92	8	640x480	No

Matrox 1024	08/21/92 2.07	24	1024 x 768	No

MiroCrystal 8S	04/13/93	8	1024x768	No
MiroCrystal 8S	04/13/93	16	800x600	No

MiroCrystal 8S	04/13/93	8	800x600	Yes
MiroCrystal 8S	04/15/93	16	640x480	No
MiroCrystal 8S	04/13/93	8	640x480	Yes

Compatible Audio

Adapter	Driver	date

Creative Labs   ThunderBoard   SNDBLST2.DRV   03/10/92
Creative Labs   ThunderBoard   SNDBLST2.DRV   05/13/92

Creative Labs   Sound Blaster 2.0   02/16/93
Sound 'Sticks' with this driver.

Digispeech   PortAble Sound Plus   PRTSND.DRV   04/14/93

IBM   M/Audio   ACPA.DRV   10/29/92 11:38
Adjusting the volume from the Movie Controller may cause the volume to be muted. To restore the volume, stop and restart the movie.
Sound may skip when resizing window.
Sound is played at 44khz by doubling the samples.

IBM   M/Audio   ACPA.DRV   8/28/92
Limited volume control from keyboard.

MediaVision   Thunder and Lightning   TLWAVE.DRV   08/25/92
Make the following modifications to the QTW.INI file.
[Sound]
RequestedRate=22222

In-Compatible Video

ATI VGAWONDER XL24   07/29/92   24   640x480   Yes
In the 24 bit mode (16 Million Colors) Reds and Blues seem to be reversed .

ATG CatsEye/X
Field reports of systems hanging when movies are played with is board.

Compaq Q-Vision
We have field reports that QTW does not work with is card.

Diamond SpeedStar 24 *   04/14/92   24   640x480   Yes
Movies render as a thin line at the top of the screen in 24 bit mode. All other functions are normal.

MediaVision
We have a field report that QTW does not work with the original MediaVision video display adapter. The report indicates that the movies sound is played but the movie can not be seen. Problem persists when Optimize is set to driver

OmiCorp Texan
We have field reports of sound but no movie (video) with this card.

Packard Bell
We have several field reports dealing with a Packard Bell. Reports of a "shutters" type effect on local bus systems have been noted. The shutters effect is where a few lines of movie can be seen, then a few lines of background, then a few lines of movie, and so on. The reports also state that the image is also shifted down and to the right about 10 pixels.

Further reports tell of a lack of Movie image when running on Local Bus Packard Bell Machines.

Sigma WindStorm	08/21/92	8	1024x768	No
Sigma WindStorm	08/21/92	16	800x600	No
Sigma WindStorm	08/21/92	8	800x600	No
Sigma WindStorm	08/21/92	24	640x480	No
Sigma WindStorm	08/21/92	16	640x480	No
Sigma WindStorm	08/21/92	8	640x480	No

QTW has very poor performance with is adapter.

Video 7 SPEA 7   OEM
We have field reports that the Optimize = Driver must added to the QTW.INI before the movie will appear in the movie window frame. Audio and all other actions seems to be OK with out the change

Incompatible Audio

Media Vision Thunder and Lighting *
QTW has very poor through-put with this card.

Media Vision CDPC *
QTW does not work well with is system with movies over 10 seconds in length.

Media Vision CDPC II
QTW does not work well with is system with movies over 10 seconds in length.

Sigma Design   WinStorm   8/21/92
Very poor QTW performance when running audio and video together.

Tandy 'Gold Card'
Only one unconfirmed report on this line of cards. A developer states that he has a Tandy "Gold Card" and QTW crashed when ever he tries to play a movie. Removing the card seems to fix the problem.

MODIFYING QTW.INI FOR COMPATIBILITY
NOTE: Modification of the QTW.INI file should be done at your own risk. Typically one does not need to make any modifications to this file. For some compatibility issues, modifying the file will make video or audio cards work properly, but with reduced performance. Be sure to make a backup of the QTW.INI file before modifying it.

The most common modification to the QTW.INI is to change the [Video] setting to Optimize =

Driver. This may resolve severe compatibility problems with a specific video card but will also reduce the performance of Movie playback.

Once, again modify at your own risk.

[Video] (in order of priority)
Optimize =   Hardware (default)
                Driver
                BMP
                RAW
                DIB

[Video Optimize]
This is not used

[Override] // group
DREF = no or yes {NO forces QTW to use the file as self referencing, useful for QT 1.0 files}

[Data Handler]
CDROM Xfer Rate* = [integer] ranges from 100 to 600, where number is in K, default is 328.
CDROM Seek TIme* [integer from 0 to X] where x is 100 to 350 in ms for average seek, default is 200.
CDROM Block Size = [integer, expressed in K] default is 8, range is 1 to 64.

Max Open Files =[integer] default is 64.
Max Consumers = [integer] usually same as Max Open Files. You can have multiple consumers per file.
Max Cache Size = [integer] expressed in K, default is 128, ranges from 64 to 512.

Disk Xfer Rate = [integer] same as CDROM Xfer Rate, default is 300.
Disk Seek Time [integer] expressed in millisecond s per average seek, default is 35.
Disk Block Size = [integer, expressed in K] default is 16, range is 1 to 64.

Network Xfer Rate = [integer] same as CDROM Xfer Rate, default is 250
Network Seek time [integer] expressed in millisecond s per average seek, default is 40.
Network Block Size = [integer, expressed in K] default is 16, range is 1 to 64.

Floppy Xfer Rate = [integer] same as CDROM Xfer Rate, default is 18.
Floppy Seek time [integer] expressed in millisecond s per average seek, default is 100.
Floppy Block Size = [integer, expressed in K] default is 2, range is 1 to 64.

[Sound]
Requested Rate = [integer] ranging from 5000 to 44000 (has to be exact rate for MPC cards)
Actual Rate = same possible rates as requested

* Set dynamically by QuickTime for Windows, based on what it senses as the CD-ROM speed.

END OF QUICKTIME FOR WINDOWS 1.1 1 READ ME