Please Read the Following:

We encourage you to send in your registration card, not just for support and product updates but we are constantly coming out with new cutting edge titles that we give our registered customers big discounts on. We keep all of our customer names confidential and we never share our registered users list with anyone.

To get optimal performance from your PC using this product read the following body of text and the README that comes with this disc.

By clicking on the video you can switch between FULL SCREEN Video and quarter screen!
We recommend using QuickTime 2.0 or higher to get smoother full screen playback. (QuickTime 2.0 will be available in fall of 1994 free to all registered users) But until then follow the instructions below to obtain the best video performance.

Prior to installing any of the QuickTime for Windows software, you should confirm that your system meets the following standards:

MINIMUM PC CONFIGURATION
386SX at 20 Mhz
4 Mb RAM
80 Mb hard disk
VGA or better display card
QuickTime provides best quality and performance on cards displaying 32,768 color or more. See the end of this document for a list of tested compatible audio and video cards.
A Sound card for playback of Movies with sound
Windows 3.1 or later
DOS 5.0. MS-DOS 6.0 and 6.2 with and without double space is supported.

To view the movie you should have a 386 or better CPU with 8-bit (256 color) or better graphics, a sound card, Microsoft Windows 3.1 and DOS 5.0, and a mouse. Your PC should have at least 4MB of RAM, and a CD-ROM drive.

Systems with only 4MB RAM probably require a permanent swapfile of at least 9996K to obtain satisfactory response time. This can be accomplished with Control Panel|386|Virtual Memory. The virtual memory manager may claim that Windows will not use any swapfile space beyond what is recommended. This is not always true. As a general rule, you can experiment with swapfiles from twice to three times the amount of real RAM. If you start to experience obviously extended periods of hard disk access bogging down the system ("thrashing"), the swapfile should be made smaller. 32-bit disk access speeds things up a little.

For viewing digital video <u>a 16-bit (32,000) color video adapter is recommended.</u> An 8-bit display also looks good. These QuickTime for Windows movies have been optimized for 8- and 16-bit video. An accelerated graphics card will significantly boost video performance. **Quicktime movies are optimized for 16-bit color so a High Color, 32K, 65K, or 16 million color graphics card is highly recommended**.

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 (best video performance)**

Driver (default more compatibie)
BMP
RAW
DIB

VIDEO PROBLEMS:

Some high-resolution video cards require updated driver software for
operation of QuickTime for Windows. If you experience color display problems, Please contact your video board
manufacturer to see if newer driver software is available.

If the video display is slow, you may not have enough memory. You can also try adjusting the colors to **64K or 32K** colors
rather than truecolor (16.7 million). This results in faster video display and doesn't affect picture quality.

TIPS

Be sure Windows is using a display driver that will provide 256 colors (or higher). This product is not designed for 16-
color displays (e.g., the standard Windows VGA driver). If your colors look like kindergarten, run Windows Setup to install
the display driver provided by your video card manufacturer that supports 256 colors.

Certain high-resolution video cards may require updated driver software for correct operation of QuickTime for Windows.
Please contact your video board manufacturer to see if newer driver software is available.

Operation will be a little faster, the video window will be physically largest, and best results are expected, if you use
640x480 resolution rather than anything higher. If you operate Digital Playgound's program in 1024x768 resolution,
you may find that the "small fonts" driver works better than the "large fonts" driver (or, less frequently, vice versa,
depending who wrote the drivers).

If you have problems reading any of your CD-ROMs check the CD-ROM for any scratches or finger prints. Use a soft cloth
to wipe from the center to the edge. CD-ROMs are more vulnerable to damage than audio CDs, so always place them in
the jewel box or CD caddies whenever possible.

Video play is improved by caching from the CD-ROM drive. The **DOS 6.2** version of Smart Drive includes a CD cache
which works well. To use it, start smartdrv.exe from your autoexec.bat *and* include the following line in your config.sys file:
device=c:\dos\smartdrv.exe /double_buffer
Consult your DOS manual for more information.

The program uses a lot of Windows memory and resources. As it is with almost any Windows application, not all of
these are completely restorable to the system during and following execution. Performance is best when Digital's
program is the first and only program running after starting Windows.

Color conflicts can be caused by your wallpaper. If the program loads up in the wrong colors, simply quit, set the
wallpaper to [none] in Windows|Control-Panel|Desktop and run again.

HARDWARE NOTES
ATI's "Crystal Fonts" mode is not supported. Change the Video driver to a lower resolution.

Should you have a problem with a Sony CD-ROM drive (such as the CDU-31A which ships with many Gateway
multimedia systems) which uses the SLCD.SYS driver, you should get an update from them if you have any version prior
to 1.71A. Our photo discs (non-video products) work fine with the old drivers.

If memory managers such as QEMM or 386 MAX are used and the program does not work, sometimes the creation of a
system boot disk which loads only the necessary devices, all loaded low, will fix the problem.

If you have a **Packard Bell** System with a Headland Technology Video Card, your system's video may look displaced or elongated. This is because the Headland Technology drivers are incompatible with QuickTime. One of two things can be done:
   1) Call Microsoft and get the Microsoft 640X480 256 color driver and hope you have the 1MB video card on your system. If you have the 512k card then this option will not help you.
   2) Get a new video card. The Headland Technology card, while compatible with some video, is not compatible with all. Cards proven compatible such as the Trident, Diamond or Cirrus video cards are rather affordable, and provide compatible drivers on included diskettes.

Video Cards

The video program requires video software drivers and hardware that fully support Windows 3.1 standards. The lists below show video systems that have been tested and found to be compatible with this program. Installing the latest available video ROM and software is generally recommended. Contact the video card manufacturer for information.

Video card	Bus Type	DRIVER Date	Rev	Notes
ATI Graphics Wonder	VLB	3/19/93	2.3	
ATI Graphics Xpression	VLB	6/13/94	1.1	Note 1
Compaq QVision 1024/I	ISA	1/18/94	7.40	
Diamond Viper	PCI	9/27/93	3.01	Recommended
Diamond Viper	VLB	9/17/93	2.01	
Genoa Windows VGA 24	VLB	8/8/93	1.7	
Headland Video 7 RAM II VGA	ISA	5/15/92	3.10	
Hercules Graphite Pro	VLB	12/29/93	2.21	Note 2
IBM XGA-2	MCA	11/12/93	2.11	Note 3
Number Nine 9GXE64	PCI	6/22/94	1.19.04	Recommended
Orchid Fahrenheit 1280	ISA	8/10/92	3.0	
RasterOps PaintBoard PC	ISA	3/25/93	3.10	Note 2
Spider Black Widow	VLB	1/20/94		Recommended
Trident 8900C	ISA	9/23/92	3.10	
Trident 9000C	ISA	7/8/93	VC4.5(WC1.6)	Note 2

   Note 1: Set DeviceBitmaps=OFF in the Windows SYSTEM.INI file [MACH] section after card software installation if
           using this driver version.
   Note 2: Use in 256 color mode only.
   Note 3: This card does not draw extremely wide arcs properly.

Video card	Bus Type	DRIVER Date	Rev	Notes
Actix ProStar VL	VLB	8/18/93	1.42	Note 1
ATI Graphics Ultra	ISA	3/19/93	2.3	
ATI Graphics Ultra Plus	ISA	4/25/94	2.3	
ATI Graphics Ultra Pro	VLB	4/25/94	2.3	
ATI Graphics Ultra Pro	ISA	4/25/94	2.3	
Blackship Color DesignerA3	VLB	7/8/93	1.32	
Diamond Speed Star Pro	ISA	2/17/94	1.08	
Diamond Speed Star VGA	ISA	4/14/92		
Diamond Stealth 24	VLB	6/3/94	3.00	
Diamond Stealth Pro	VLB	10/6/93		
ELSA Winner2000 Pro	PCI	6/23/94	1.22	

Hercules Dynamite Pro	ISA	12/1/93	2.10	Note 2
Hercules Dynamite Pro	VLB	12/1/93	3.00	
Hercules Graphite Power	ISA	4/6/94	2.10	
IBM XGA Display	MCA	11/12/93	2.11	Note 3
Matrox MGA Power Graphics	PCI	3/28/93	1.42	
Media Vision ProGraphics 1280	VLB	9/15/93	1.01	
Media Vision ProGraphics 1024	VLB	4/15/94	1.5	
Mitac MVA-CL5428-1MB	VLB	3/15/94	V1.43	
Number Nine 9GXe Level 10	ISA	2/9/94	V3.11	Note 4
Number Nine 9GXe Level 11	VLB	2/9/94	3.10.061	Notes 4, 5
Number Nine 9GXe Level 14	VLB	4/7/94	3.15	Note 4
Number Nine 9GXE64	VLB	6/22/94	1.19.04	Recommended
Orchid Celsius	VLB	10/1/93	1.32	Recommended
Orchid Fahrenheit 1280 Plus	VLB	3/1/94	rel 7	Note 6
Orchid Fahrenheit VA	VLB	4/29/93	5.01	
Orchid Kelvin 64	PCI	3/14/94	1.1	
Orchid Kelvin 64	VLB	2/23/94	1.21	
Orchid ProDesigner IIS	ISA	3/1/92	2.0	
Paradise WD90c33	VLB	6/28/93	1.2	
Standard 1Mb-24X	ISA	3/19/93	1.30	
STB Horizon VL Pro	VLB	6/29/93	1.3	
STB Lightspeed	PCI	12/1/93	1.1	
STB Pegasus	VLB	11/29/93	1.3	
TrueVision Bravado 8	ISA	1/15/92		

Note 1: Driver version 1.53 sometimes hangs when playing certain Director transitions. Driver version 1.42 is recommended.
Note 2: Does not always properly display QuickTime digital video in 16 bit (thousands) and 24 bit (millions) color modes
Note 3: Does not draw extremely wide arcs properly.
Note 4: There is sometimes sound break-up or distortion during complex transitions using most sound cards.
Note 5: The cursor sometimes disappears when using a large virtual desktop.
Note 6: Video snow appears during some palette transitions

Sound Cards

Sound Card	Notes and comments
Compaq Business Audio	
Creative Labs SoundBlaster	
Creative Labs SoundBlaster Pro	
Creative Labs SoundBlaster 16	
Creative Labs SoundBlaster AWE32	
Gateway 2000	
IBM M-Audio	Driver version 1.3 - Note 1
MediaVision ProAudio Spectrum	
MediaVision ProAudio Spectrum 16	
MediaVision ProAudio Spectrum 16 Pro	
MicroSoft SoundSystem Version 1	
MicroSoft SoundSystem Version 2	
Orchid SoundWave 32	
Reveal Forte 16	
Roland Rap-10	

Note 1: IBM computers that have the M-Audio sound card should use driver version 1.3 or higher for best results. Older versions of this driver don't play some sounds in Director or AVI movies. The version 1.3 driver does not pass the 16-bit sounds test for Director. Testing revealed that 8 bit sounds are corrupted when played after a 16-bit sound. At the time these release notes were written, version 1.3 (dated 1/10/94) was the most recent driver available from IBM.

PC AUDIO CARD COMPATIBILITY
The following chart summarizes the audio hardware products that were tested with QuickTime for Windows 1.1.1. Most compatibility issues are based on driver versions. With some boards, more than 1 driver was tested. In most cases, the latest available driver was tested. THE DRIVER TESTED MAY NOT BE THE SAME VERSION AS THAT WHICH CAME WITH THE AUDIO CARD. Contact the vendor for the latest driver version. Known bugs are included.

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

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?

Device	Date	Bits	Resolution	Flag
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
Actix Graphics Engine Ultra Plus	03/26/93	24	640x480	No
Actix Graphics Engine Ultra Plus	03/25/93	16	640x480	No
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

Device	Date	Bits	Resolution	Supported
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.

Device	Date	Bits	Resolution	Supported
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 thge Cirus Logic CL-GD5426 GUI was added in QTW 1.1.1.

Device	Date	Bits	Resolution	Supported
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.

Device	Date	Bits	Resolution	Supported
Orchid Fahrenheit VA	02/19/93 10:00	16	1024x768	Yes
Orchid Fahrenheit VA	02/19/93 10:00	24	640x480	Yes

Device	Date	Bits	Resolution	Supported
Orchird VLB (Local Bus)	02/19/93	16	800x600	Yes
Orchird VLB (Local Bus)	02/19/93	15	800x600	Yes
Orchird VLB (Local Bus)	02/19/93	8	800x600	Yes
Orchird 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.

Device	Date	Bits	Resolution	Supported
Orchird VLB (Local Bus)	02/19/93	16	640x480	Yes
Orchird VLB (Local Bus)	02/19/93	15	640x480	Yes
Orchird VLB (Local Bus)	02/19/93	8	640x480	Yes

Device	Date	Bits	Resolution	Supported
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 reprts 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 orginal 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.

PackardBell
We have several field reports dealing with a PackardBell. 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 pels.

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

In-Compatible 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 trys 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 millisecon s per average seek, defgault 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, defalut is 250
Network Seek TIme [integer] expressed in millisecon 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 millisecon 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.

Hardware Optimization:

An accelerated graphics card will significantly boost video performance. Quicktime movies are optimized for 16-bit color so a High Color, 32K, 65K, or 16 million color graphics card is highly recommended.

Make sure your CD-ROM drive is configured properly. If your CD-ROM controller/host adapter is capable of DMA transfer, always use the DMA option. Sample "CONFIG.SYS" for Mitsumi CD-ROM drive:

    device = mtmcde.sys /d:mscd001 /m:32 /i:10 /t:5

Software configuration:

"SETUP.EXE" should have changed your "AUTOEXEC.BAT" to show a path declaration to include the new QuickTime driver software. (Sample)

    SET PATH=C:\DOS;C:\WINDOWS;[path]:\qtw\bin

To optimize playback on your machine, read the QTW.INI file inside your \WINDOWS directory for more instructions.

For optimal performance, use Microsoft CD-ROM driver 2.0 or higher. Edit your "AUTOEXEC.BAT" file to allocate at least 30K drive buffer. Example :

    MSCDEX /d:mscd001 /m:30

If you use Windows For Workgroup, the installation process will append a "/s" switch to MSCDEX.EXE. This will cause problem with the viewer program. Please remove the switch with a text editor and restart the computer.
For more detailed instructions on CD-ROM driver software, please consult your CD-ROM owner's manuals.

Make sure you are using the most recent versions of HIMEM.SYS, EMM386.EXE,
and SMARTDRV.EXE. The copies that came with DOS 6.0 are the most recent, and Windows 3.1 files are better than DOS 5.0 files. Your config.sys should
have something like the following:

DOS=HIGH,UMB
DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\EMM386.EXE RAM NOEMS

Your autoexec.bat should have something like:

```
C:\WINDOWS\SMARTDRV.EXE 1024 1024     (if you have 8 MB or more memory)
C:\WINDOWS\SMARTDRV.EXE 1024 512      (if you have less memory)
```

MEMORY PROBLEMS:

QuickTime for Windows and Windows 3.1 is very memory hungry. The best way to speed-up video quality and display is to have at least 8 MB RAM. if you have less, make sure you do not have EMM386 allocating any expanded memory. Also,you should have SMARTDRV using as little memory as possible (512K cache). The biggest performance improvement other than upgrading to a 486 is to have more memory.

You can also use the 386 enhanced Virtual Memory settings to create a permanent swap file. This seems to improve performance slightly, but more RAM is better.

VIDEO PROBLEMS:

Some high-resolution video cards require updated driver software for
operation of QuickTime for Windows. If you experience color display problems, Please contact your video board manufacturer to see if newer driver software is available.

If the video display is slow, you may not have enough memory. You can also try adjusting the colors to 64K colors rather than truecolor (16.7 million). This results in faster video display and doesn't affect picture quality.

ADDITIONAL INFORMATION

As with any product, you may need to tweak your system to get optimal performance. The most important considerations are improper configuration of EMM386 giving too much Expanded memory (Windows doesn't need any, but DOS apps do), and simply not enough memory. If you are running Windows with 4 MB RAM, you will see a REAL performance boost by upgrading.

EVEN MORE ADDITIONAL INFORMATION

If you encounter the error "NOT A VALID MOVIE" or you don't see movie playback just a blank screen (caused by weird configurations) try the following.
       -Using the file manager open PLAYER.EXE in the QTW folder on your main drive.
       -With PLAYER.EXE open in the background switch back to your desk-top and try running the program again.

If you have more questions regarding this product, you may contact us at:

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