

# VCA Interactive

Prior to installing this disc, you should confirm that your system meets the following requirements:

## 1. Minimum Hardware Requirements:

- ☒ A personal computer with a 486 or faster CPU.
- ☒ A CPU speed of 25 MHz or higher.
- ☒ 8 megabytes of conventional and extended memory. (May work on some systems with only 4MB of RAM.)
- ☒ A CD-ROM drive supported by Microsoft Windows (access time less than 350ms, and sustained transfer rate of at least 150K per second).
- ☒ A hard disk with at least 4 megabytes free for the basic QuickTime for Windows software.
- ☒ Mouse (or other pointing device) supported by Microsoft Windows.
- ☒ A ".wav" compatible sound card supported by Microsoft Windows.
- ☒ Additional free disk space if you want to keep movies and pictures on your hard disk.

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## Troubleshooting

### Symptom:

"Can't Load Customer Control DLL"  
'D:\QTMovie.VBX' Message

### Possible causes:

Path name error. You should have Windows in your path statement as a minimum (example "DRIVE:\DOS;DRIVE:\WINDOWS;"). Refer to your DOS Manual on how to modify the AUTOEXEC.BAT file.

### Symptom:

Program locks up during game play.

### Possible causes:

Screen Saver, disable screen saver and restart.  
Alternative Desktop (Norton Desktop, etc.), disable and use Program Manager.  
Background Process, disable all other programs.

### Symptom:

"Parity Error" Message

### Possible causes:

Memory problem. Check with your computer owner's manual for proper machine speed/memory wait-state setting.

### Symptom:

"General Protection Fault Error..." message box

### Possible causes:

Video or Audio driver conflict. Check with the manufacturer for the latest

driver.

Symptom:

Scrambled video display.

Possible causes:

Conflict with your Video Display Card. Edit the file QTW.INI in your WINDOWS directory on your hard drive, change the line:

```
[Video]
Optimize=Hardware
```

to

```
[Video]
Optimize=Driver
```

If problem persists, try other options documented at the end of this README file.

We also recommend some type of CD-ROM catching program such as SMARTDRIVE from DOS 6.2 for better performance during gameplay. (SMARTDRIVE form DOS 6 and earlier does not support CD-ROM catching).

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## Optimizing Quicktime for Windows

### 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 milliseconds 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 milliseconds 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 milliseconds 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 = mtmcd.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.

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