

Welcome to Planetary Taxi. We hope you enjoy this title.

SYSTEM REQUIREMENTS

486SX-25 or higher processor

640x480 256-color display

8 MB RAM

MPC2-compatible CD-ROM drive

Sound Card with speakers or headphones

Microsoft Windows 3.1

MS-DOS 5.0 or later

The following are some tips for optimizing your computer to achieve best performance with Planetary Taxi. These tips are not guaranteed to improve performance, but have been found to help in many situations. Following the general performance tips are troubleshooting tips for specific problems. Finally, a list of known hardware incompatibilities is appended.

GENERAL PERFORMANCE TIPS

* Other programs

Exit all other programs except Program Manager before running Planetary Taxi.

* Swap file settings:

If you have 8 MB of RAM installed in your computer, set the swap file to "permanent" and set the swap file size to 10,000 KB. (A good rule of thumb is to set the swap file approximately 2,000 KB larger than the installed RAM of the machine (e.g., a computer with 8 MB of RAM should have a 10,000 KB permanent swap file).

If you have more than 8 MB of RAM, we recommend simply turning the swap file OFF.

To change the swap file settings,

- 1) Double-click the Control Panel in the Main group of the Program Manager
- 2) Double-click the "386 Enhanced" icon
- 3) Click "Virtual Memory"
- 4) Click "Change"
- 5) Under "Type" choose "Permanent"
- 6) In "New Size" type "10000" KB
- 7) Click "OK"
- 8) Click "Yes" when asked "Are you sure you want to make changes to virtual-memory settings?"
- 9) Exit Windows and restart the machine

To turn swap file OFF,

- 1) Double-click the Control Panel icon in the Main group of the Program Manager
- 2) Double-click the "386 Enhanced" icon
- 3) Click "Virtual Memory"
- 4) Click "Change"

- 5) Under "Type" choose "None"
- 6) Click "OK"
- 7) Click "Yes" when asked "Are you sure you want to make changes to virtual-memory settings?"
- 8) Exit Windows and restart the machine

* Smartdrv settings

Planetary Taxi ships with and installs QuickTime for Windows version 1.1.1. QTW 1.1.1 performs better on some computers when disc caching for the CD-ROM drive is set to ON. To improve performance of QT movies, try setting smartdrv disc caching to ON.

To do this,

- 1) Double-click the Main group in the Program Manager
- 2) Double-click the "Sysedit" icon
- 3) The top window to appear will contain the "AUTOEXEC.BAT" file
- 4) Find the line that contains "SMARTDRV.EXE"
- 5) If there is a "/U" that appears after "SMARTDRV.EXE" - highlight and delete it (If "/U" is not there, CD-ROM disc caching is already turned ON.)
- 6) Close this window
- 7) Click "Yes" when asked "Save current changes?"
- 8) Exit Windows and restart the machine

If you are using a version of QuickTime for Windows later than 1.1.1, (perhaps from another multimedia title) disc caching can HURT performance.

TROUBLESHOOTING TIPS:

* Program will not start

1. On first-time installations, you must exit and restart Windows so that QuickTime will load properly. If after doing this, you still get the message "QuickTime for Windows is not installed!", check to see that "C:\QTW\BIN" is in your DOS path.

It may also be that the path setting in your autoexec.bat file is too long for DOS to handle. To verify that "C:\QTW\BIN" is in your path, go to DOS and type "PATH". If it does not show up in the display, then the path setting must be shortened.

* Things do not display correctly:

QuickTime for Windows might not be optimized for your video card or driver software. Create a text file called "AMT.INI" in your Windows subdirectory. Add the following line:

```
[video] optimize=driver
```

This will force QuickTime to use hardware optimization if it cannot identify a particular video card.

If you have a "true" Multimedia PC with support for transparency in hardware (such as with the V7VGA card) you can improve performance by creating an AMT.INI

file in the main windows subdirectory containing the following line:

```
[video] transparency=driver
```

* Screen-to-screen transitions are slow

Check to see whether sector buffers have been allocated for the CD driver. Look for an entry MSCDEX and verify that the /M flag is set. If it is not, modify that line to include a setting from /M10. Experimentation might be required to find the best setting. Try numbers from 5 to 20.

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.

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

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

* 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.

Whenever 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

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
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Creative Labs SoundBlaster Pro	SBPSND.DRV	05/15/92
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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
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This driver some times 'sticks' on a sound.

Creative Labs SoundBlaster Pro 16	SB16SND.DRV	04/14/93
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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
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Media Vision ProAudio Spectrum Plus	MVPROAUD.DRV	02/03/93 1.3
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Make the following modifications to the QTW.INI file.

```
[Sound]
RequestedRate=22095
ActualRate=22536
```

Media Vision ProAudio Spectrum 16	MVPROAUD.DRV	02/03/92
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Media Vision Audio Port	MVAPORT.DRV	04/14/92
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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
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Cardinal Technologies Sound Studio	TAPIGSS1.DRV	12/28/92
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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 FX			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		
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
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 Cirrus 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	1024x768	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

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 throughput 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 Tlme* [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.