



GRAPHICS HARDWARE QUALIFICATION

MICROSOFT[®] WINDOWS[®]

Last updated: November 4th, 2009.

Readme First

The information contained in the [Readme First](#) document applies to all hardware qualifications executed on the Autodesk Media and Entertainment 2010 software product releases and should be acknowledged by all users prior to consulting the qualification charts.

What's New

Testing on Windows 7 on the latest graphic card is complete.

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Important Notes

1. Qualification was performed on dual screen at a resolution of 1920X1200(60Hz). The following settings were applied: On NVIDIA cards: "Autodesk Maya" from the Global Settings presets in the NVIDIA Control Panel (under Manage 3D settings) and "Dualview" mode (under set up multiple display). On ATI cards the 3D settings are automatically detected and set for the user and therefore no change are required. You should however make sure to select "Extended" for your Dual screen setup

NVIDIA Quadro® FX 4500x2 and 4700x2 were qualified using the SLI™ option.

You may experience visual artifacts in MotionBuilder 2010 when used in conjunction with Microsoft Vista Aero™ (desktop composition option) feature. Users are therefore recommended to disable this option to avoid user interface glitches. Please refer to the instructions in the Microsoft Vista Aero Feature Configuration section.

Occasional artifacts or refresh problems may be seen when using the bump map shaders.





Apple® Macintosh® computers based on Intel processors and running Microsoft operating systems are not currently supported by Autodesk Support.

If you are experiencing issues not listed in this document, please search our Knowledge Base or contact customer support (<http://www.autodesk.com/motionbuilder-support>).

Professional Graphics Cards

The following table provides results of the professional graphics card and driver hardware qualifications.

Table Legend

✓	Qualified
	Qualified with caveats. Refer to the Professional Graphics Cards Caveats & Limitations
	Qualification planned OR in progress. Results coming shortly
	Supported although not officially qualified in our lab
☑	Testing is completed
	Hardware component falls below minimum system requirements to run this product
✗	Qualification failed due to serious problems
○	No qualification planned OR not applicable
—	Not yet tested.

Professional Graphics Card & Driver Qualifications for Autodesk MotionBuilder 2010 for Microsoft Windows							
Graphics Card	Driver	Windows® XP Professional		Windows Vista® Business SP1		Windows® 7	
		Product	Version	SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS
NVIDIA®							
Quadro® FX 5800	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
Quadro FX 4800	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
Quadro FX 3800	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
Quadro FX 1800	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
Quadro FX 4700 X2	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 3700	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 1700	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 5600	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 4600	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 5500	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 4500 X2	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 4500	190.38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	—
Quadro FX 3500	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
Quadro FX 1500	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
Quadro FX 580	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
Quadro FX 380	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
Quadro FX 570	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
Quadro FX 370	190.38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
ATI™							
FirePro™ V8750	8.634	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V8700	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V7750	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V7700	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V5700	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V3750	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FirePro V3700	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input checked="" type="checkbox"/>
FireGL™ V7700	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—
FireGL V8650	8.634	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Professional Graphics Card & Driver Qualifications for Autodesk MotionBuilder 2010 for Microsoft Windows							
Graphics Card	Driver	Windows® XP Professional		Windows Vista® Business SP1		Windows® 7	
		Product	Version	SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS
FireGL V8600	8.634	✓	✓	○	⌛	—	—
FireGL V7600	8.634	✓	✓	○	⌛	—	—
FireGL V5600	8.634	✓	✓	○	⌛	—	—
FireGL V3600	8.634	✓	✓	○	⌛	—	—

Professional Graphics Cards Caveats & Limitations

The following table provides a description of professional NVIDIA graphics cards caveats and limitations.

Professional NVIDIA Graphics Cards Caveats & Limitations					
Autodesk MotionBuilder 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
All cards with the exception of: Quadro FX 4500x2, Quadro FX 4700x2	169.96	Windows Vista Business 64-bit SP1	Bug # 311887 The timeline may occasionally not refresh properly (windows and viewports).	To be confirmed	Click in the window/viewport to refresh.
Quadro FX 4500x2, Quadro FX 4700x2	175.51	Windows Vista Business 64-bit SP1	Bug # 311111 The playback tends to stutter as opposed to play back smoothly.	To be confirmed	—

The following table provides a description of professional ATI graphics cards caveats and limitations.

Professional ATI Graphics Cards Caveats & Limitations					
Autodesk MotionBuilder 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
FireGL v5600	All	Windows Vista Business 64-bit SP1	Bug # 311111 The playback tends to stutter as opposed to play back	To be confirmed	—

Professional ATI Graphics Cards Caveats & Limitations					
Autodesk MotionBuilder 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
			smoothly.		

Consumer Graphics Cards

The following table provides a list of tested NVIDIA GeForce® and ATI Radeon™ consumer graphics cards and driver versions.




Important: Although Autodesk tested the NVIDIA GeForce and ATI Radeon consumer graphics cards, it is Autodesk, NVIDIA, and AMD policy to only recommend and support the professional NVIDIA Quadro, ATI FirePro, and ATI FireGL graphics family cards.

If you have any questions, please contact:






NVIDIA: NVIDIAAutodeskhelp@nvidia.com

AMD/ATI: <http://emailcustomercare.amd.com>

Table Legend

<input checked="" type="checkbox"/>	Testing is completed
	Testing is completed. Some issues found. Refer to the Consumer Graphics Cards Caveats & Limitations
	Testing is ongoing OR planned
	No testing is planned
<input checked="" type="checkbox"/>	Hardware component falls below minimum system requirements to run this product
—	Not yet tested.

Note: the cards listed below have been purchased from different manufacturers; however we have tested only the proprietary NVIDIA and ATI drivers, downloaded from their respective web sites.

Consumer Graphics Card & Drivers Tested for Autodesk MotionBuilder 2010 for Microsoft Windows							
Graphics Card	Driver	Windows® XP Professional		Windows Vista® Business SP1		Windows® 7	
		SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS	32-bit OS	64-bit OS
NVIDIA							
GeForce GTX 295	190.38	<input checked="" type="checkbox"/>					

Consumer Graphics Card & Drivers Tested for Autodesk MotionBuilder 2010 for Microsoft Windows							
Graphics Card	Driver	Windows® XP Professional		Windows Vista® Business SP1		Windows® 7	
		SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS	32-bit OS	64-bit OS
GeForce GTX 285	190.38	☑	⊘	⊘	△	△	△
GeForce GTS 250	190.38	☑	⊘	⊘	△	△	△
GeForce 9800 GT	190.38	⊘	☑	☑	⊘	△	△
GeForce 8800 GTS	190.38	⊘	☑	⊘	△	△	△
GeForce 8800 GT	190.38	⊘	☑	⊘	△	△	△
GeForce 9600 GT	190.38	☑	⊘	⊘	△	△	△
GeForce 8600 GT	190.38	☑	⊘	⊘	△	△	△
ATI™							
Radeon HD 4870 X2	9.8	☑	⊘	⊘	△	△	△
Radeon HD 4870	s	⊘	☑	⊘	△	△	△
Radeon HD 3870	9.8	⊘	⊘	⊘	⊘	⊘	⊘
Radeon HD 3850	9.8	☑	⊘	⊘	△	△	△
Radeon HD 4650	9.8	⊘	☑	⊘	△	△	△
Radeon HD 3650	9.8	☑	⊘	⊘	△	△	△
Radeon HD 3470	9.8	⊘	☑	⊘	△	△	△
Radeon HD 2600 XT	9.8	⊘	⊘	☑	△	△	△
Radeon HD 2600 Pro	9.8	☑	⊘	⊘	△	△	△
Radeon HD 2400 Pro	9.8	⊘	☑	⊘	△	△	△

Consumer Graphics Cards Caveats & Limitations

There are currently no NVIDIA and ATI graphics card caveats / limitations to report for the current release of this Autodesk product.

Operating System Dependent & Miscellaneous Issues

The following table provides a description of caveats / limitations that are still being investigated. Autodesk has not identified the precise combination of factors involved. Please refer to the product *Release Notes* for further details on known issues with the MotionBuilder software product.

Operating System Dependent & Miscellaneous Issues		
Autodesk MotionBuilder 2010 for Microsoft Windows		
Operating System	Caveat / Limitation	Workaround
Windows XP Pro SP2	Bug #311121 Trails or artifacts may be drawn in the viewport upon moving a dialog that contains a bitmap .	—
Windows Vista Business SP1	Bug #311201 Upon using the (Aero) transparency feature in Vista, some elements of the MotionBuilder user interface may be partially hidden. To work around this issue, disable the Aero feature by following the instructions provided in this document. See Microsoft Vista Aero Feature Configuration.	—

Microsoft Vista Aero Feature Configuration

It is recommended to disable the Windows Vista Aero feature to avoid user interface glitches. If you are running on a Windows Vista 32-bit OS, you can disable the desktop composition option at the application level, hence leaving your operating system settings intact.

To disable the Windows Vista Aero feature:

Right-click on an empty area on the Desktop and choose Personalize.

Click on the Theme link (to determine whether you are using Windows Vista theme).

If you are using the Windows Vista theme, go to the next step (10) and if you are using the Windows Classic theme, go to step 12.

Go to the previous window and click the Window Color and Appearance link.

In the Window Color and Appearance, disable “Enable transparency”.

If you are using the Windows Classic theme, go to the previous window and click the Theme link.

In the Appearance Settings window, select Windows Standard color scheme and click Apply.

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