



AUTODESK[®] MUDBOX[™] 2010

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

Result for latest graphic card on Windows 7 are available.

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Important Notes

1. Graphic card qualification was performed with a multiple display configuration at a resolution of 1920 X 1200 (60Hz). Autodesk recommends using "Dualview" mode for multiple display configurations with NVIDIA cards, and "Extended" mode with ATI cards.
2. The ambient occlusion feature requires 32 bit per channel precision. This is supported by Nvidia 8 series Quadro® FX cards whose model numbers end in *600. (ie: 5600, 4600) and up.
3. Certain combinations of lights, shadows, reflectivity & viewport filters may not work properly on ATI hardware. If the model in your viewport shows up white, you've hit one of these limitations. To restore the model, reduce the number of lights/shadows, or turn off reflectivity or viewport filters until the object no longer renders white.
4. Graphics cards with at least 512 MB memory and that support 32bit texture channels will show better performance during texture painting workflows.
5. Apple® Macintosh® computers based on Intel processors and running Microsoft operating systems are not currently supported by Autodesk Support.
6. If you are experiencing issues not listed in this document, please search our Knowledge Base or contact customer support (<http://www.autodesk.com/mudbox-support>).

Professional Graphics Cards

The following table provides the professional graphics card and driver version hardware qualifications for the Autodesk Mudbox 2010 for Microsoft Windows software product release.

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 Mudbox 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	✓	✓	✓	✓	—	☑
Quadro FX 4800	190.38	✓	✓	✓	✓	—	☑
Quadro FX 3800	190.38	✓	✓	✓	✓	—	☑
Quadro FX 1800	190.38	✓	✓	✓	✓	—	☑
Quadro FX 4700 X2	190.38	✓	✓	✓	✓	—	—
Quadro FX 3700	190.38	✓	✓	✓	✓	—	—
Quadro FX 1700	190.38	✓	✓	✓	✓	—	—
Quadro FX 5600	190.38	✓	✓	✓	✓	—	—
Quadro FX 4600	190.38	✓	✓	✓	✓	—	—
Quadro FX 5500	190.38	✓	✓	✓	✓	—	—
Quadro FX 4500 X2	190.38	✓	✓	✓	✓	—	—
Quadro FX 4500	190.38	✓	✓	✓	✓	—	—
Quadro FX 3500	190.38	✓	✓	✓	✓	—	—
Quadro FX 1500	190.38	✓	✓	✓	✓	—	—
Quadro FX 580	190.38	✎	✎	✎	✎	✎	✎
Quadro FX 380	190.38	✎	✎	✎	✎	✎	✎
Quadro FX 570	190.38	✎	✎	✎	✎	✎	✎
Quadro FX 370	190.38	✎	✎	✎	✎	✎	✎
ATI™							
FirePro™ V8750	8.634	✎	✎	✎	✎	—	☑
FirePro V8700	8.634	✎	✎	✎	✎	—	☑
FirePro V7750	8.634	✎	✎	✎	✎	—	☑
FirePro V7700	8.634	✎	✎	✎	✎	—	☑
FirePro V5700	8.634	✎	✎	✎	✎	—	☑
FirePro V3750	8.634	✎	✎	✎	✎	—	☑
FirePro V3700	8.634	✎	✎	✎	✎	—	☑
FireGL™ V7700	8.634	✎	✎	⌚	⌚	—	—
FireGL V8650	8.634	✎	✎	⌚	⌚	—	—

Professional Graphics Card & Driver Qualifications for Autodesk Mudbox 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 Mudbox 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
QuadroFX 1700 QuadroFX 5500 QuadroFX 4500 QuadroFX 3500 Quadro FX 1500 QuadroFX 4500x2	169.96, 175.51	All	<p>NVIDIA graphics cards with low graphics memory (256MB) may exhibit problems such as:</p> <ul style="list-style-type: none"> slow interaction with multiple shadows (bug # 311214), limitations in performance and slow interaction when working with multiple paint layers (bugs # 311289 and # 311200), painting and tumbling interaction may be slower when viewport filters are ON (bug # 311287), and 	To be retested/confirmed on 190.38	None. This is a limitation of the graphics card.

Professional NVIDIA Graphics Cards Caveats & Limitations					
			<ul style="list-style-type: none"> • slower viewport interaction when viewport filters are ON (bug # 311280). 		
QuadroFX 5500 QuadroFX 4500 QuadroFX 1500 QuadroFX 3500 QuadroFX 4500x2	169.96, 175.51	All	Smooth Shade OFF may display black artifacts. (Bug #31119)	To be retested/c onfirmed on 190.38	

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

Professional ATI Graphics Cards Caveats & Limitations					
Autodesk Mudbox 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
FireGL V3600 FirePro 3D v3700, v3750	All	All	ATI graphics cards with low graphics memory (256MB) may exhibit problems such as: <ul style="list-style-type: none"> • limitations in performance and slow interaction when working with multiple paint layers (bugs #311289 and #311200), • painting and tumbling interaction may be slower when viewport filters are ON (bug # 311287), and • slower viewport interaction when viewport filters are ON (bug # 311280). 		None. This is a limitation of the graphics card.

Professional ATI Graphics Cards Caveats & Limitations					
Autodesk Mudbox 2010 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
All	All	All	The bump mapping quality is poor.		
All	All	All	Certain combinations of lights, shadows, reflectivity & viewport filters may not work properly on ATI hardware. If the model in your viewport shows up white, you've hit one of these limitations. To restore the model, reduce the number of lights/shadows, or turn off reflectivity or viewport filters until the object no longer renders white.		None. This is a limitation of the graphics card.

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://emailcustomerhelp.amd.com>

Table Legend

☑	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

- ☒ 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 Mudbox 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							
GeForce GTX 295	190.38	△	⊙	⊙	☑	–	–
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	8.633	△	⊙	⊙	☑	–	–
Radeon HD 4870	8.633	△	⊙	⊙	☑	–	–
Radeon HD 3870	8.633	△	⊙	⊙	△	–	–
Radeon HD 3850	8.633	☑	⊙	⊙	☑	–	–
Radeon HD 4650	8.633	⊙	☑	☑	⊙	–	–
Radeon HD 3650	8.633	△	⊙	⊙	☑	–	–
Radeon HD 3470	8.633	☑	⊙	⊙	△	–	–
Radeon HD 2600 XT	8.633	☑	☑	⊙	△	–	–
Radeon HD 2600 Pro	8.633	△	⊙	☑	⊙	–	–
Radeon HD 2400 Pro	8.633	☑	⊙	⊙	△	–	–

Consumer Graphics Cards Caveats & Limitations

There are currently no 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 Mudbox software product.

Operating System Dependent & Miscellaneous Issues		
Autodesk Mudbox 2010 for Microsoft Windows		
Operating System	Caveat / Limitation	Workaround
Windows Vista 32-bit & 64-bit	Mudbox viewport may exhibit refresh issues on systems with Vista OS	—

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