



# Graphics Hardware Certification

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## Microsoft® Windows®

Last updated: October 19<sup>th</sup> 2010.

### Readme First

The information contained in the [Readme First](#) document applies to all hardware Certifications executed on the Autodesk Media and Entertainment 2011 software product releases and should be acknowledged by all users prior to consulting the Certification charts.

### What's New

This certification was done on Autodesk Mudbox 2011 Subscription Advantage Pack while still supporting the original 2011 versions.

Certification on Nvidia®'s new FERMI® cards is complete.

AMD® FirePro® Vxxxx is also complete.

Note that missing card's results should come in the upcoming weeks to fill up the charts.

Graphic drivers for Nvidia and AMD have been made available on our server and those drivers are WHQL® certified.

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## Important Notes

1. Graphic card Certification was performed with a multiple display configuration at a resolution of 1920 X 1200 (60Hz). Autodesk recommends using "Dual view" mode for multiple display configurations with NVIDIA cards, and "Extended" mode with AMD 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 AMD 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 certifications for the Autodesk Mudbox 2011, Subscription Advantage Pack for Microsoft Windows software product release.

Table Legend

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

\*Drivers are available **within the tables** under their respective OS.

Professional Graphics Card & Driver Certifications for Autodesk Mudbox 2011, Subscription Advantage Pack for Microsoft Windows							
Graphics Card	Driver	Windows XP Professional		Windows Vista® Business SP1		Windows 7	
		SP3 32-bit	X64 SP2 64-bit	32-bit OS	64-bit OS	32-bit OS	64-bit OS
NVIDIA			<a href="#">258.96</a>		<a href="#">258.96</a>		<a href="#">258.96</a>
Quadro® 6000	258.96	👉	👉	👉	✓	👉	✓
Quadro 5000	258.96	👉	👉	👉	✓	👉	✓
Quadro 4000	258.96	👉	👉	👉	✓	👉	✓
Quadro 2000	258.96	👉	👉	👉	✓	👉	✓
Quadro 600	258.96	👉	👉	👉	✓	👉	✓
Quadro FX® 5800	258.96	👉	✓	👉	✓	👉	✓
Quadro FX 4800	258.96	👉	👉	👉	👉	👉	👉
Quadro FX 3800	258.96	👉	👉	👉	👉	👉	👉
Quadro FX 1800	258.96	👉	✓	👉	✓	👉	✓
Quadro FX 4700 X2	258.96	👉	👉	👉	👉	👉	👉
Quadro FX 3700	258.96	👉	👉	👉	👉	👉	👉
Quadro FX 1700	258.96	👉	👉	👉	👉	👉	👉
Quadro FX 5600	258.96	👉	👉	👉	👉	👉	👉

Professional Graphics Card & Driver Certifications for Autodesk Mudbox 2011, Subscription Advantage Pack for Microsoft Windows							
Graphics Card	Driver	Windows XP Professional		Windows Vista® Business SP1		Windows 7	
Product	Version	SP3 32-bit	X64 SP2 64-bit	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Quadro FX 4600	258.96	☺	☺	☺	☺	☺	☺
Quadro FX 5500	258.96	☺	☺	☺	☺	☺	☺
Quadro FX 4500 X2	258.96	☺	☺	☺	☺	☺	☺
Quadro FX 4500	258.96	☺	☺	☺	☺	☺	☺
Quadro FX 580	258.96	☺	☺	☺	☺	☺	☺
AMD			<a href="#">8.743.3.2</a>		<a href="#">8.743.3.2</a>		<a href="#">8.743.3.2</a>
FirePro® V8800	8.743.3.2	☺	☺	☺	☺	☺	☺
FirePro V7800	8.743.3.2	☺	✓	☺	✓	☺	✓
FirePro V5800	8.743.3.2	☺	✓	☺	✓	☺	✓
FirePro V4800	8.743.3.2	☺	☺	☺	☺	☺	☺
FirePro V3800	8.743.3.2	☺	✓	☺	✓	☺	✓
FirePro V8750	8.743.3.2	☺	✓	☺	☺	☺	✓
FirePro V8700	8.743.3.2	☺	✓	☺	☺	☺	✓
FirePro V7750	8.743.3.2	☺	✓	☺	☺	☺	✓
FirePro V7700	8.743.3.2	☺	☺	☺	☺	☺	☺
FirePro V5700	8.743.3.2	☺	✓	☺	☺	☺	✓
FireGL™ V7700	8.743.3.2	☺	☺	☺	☺	☺	☺
FireGL V8650	8.743.3.2	☺	☺	☺	☺	☺	☺
FireGL V8600	8.743.3.2	☺	☺	☺	☺	☺	☺
FireGL V7600	8.743.3.2	☺	☺	☺	☺	☺	☺
FireGL V5600	8.743.3.2	☺	☺	☺	☺	☺	☺

## 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 2011, Subscription Advantage Pack for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
All Quadro serie	258.96	Windows XP-64	UV View Thumble is slow and choppy. (BugID:365859)	Reported to Vendor. Should be fixed in the upcoming driver in October.	--

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

Professional AMD Graphics Cards Caveats & Limitations					
Autodesk Mudbox 2011, Subscription Advantage Pack for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround

## 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](mailto:NVIDIAAutodeskhelp@nvidia.com)


AMD/ATI: <http://emailcustomer care.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
✘	Certification failed due to serious problems.
—	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 2011 for Microsoft Windows							
Graphics Card	Driver	Windows XP Professional		Windows Vista® Business SP2		Windows 7	
Product	Version	SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS	32-bit OS	64-bit OS
<b>NVIDIA</b>							
GeForce GTX 295	197.45	⊖	—	⊖	—	⊖	☑
GeForce GTX 285		⊖	—	⊖	—	⊖	—
GeForce GTS 250	197.45	⊖	—	⊖	—	⊖	☑
GeForce GT 220	197.45	⊖	—	⊖	👁	⊖	☑
GeForce 9800 GT	197.45	⊖	☑	⊖	☑	⊖	—
GeForce 8800 GTS	197.45	⊖	—	⊖	☑	⊖	—

Consumer Graphics Card & Drivers Tested for Autodesk Mudbox 2011 for Microsoft Windows							
Graphics Card	Driver	Windows XP Professional		Windows Vista® Business SP2		Windows 7	
Product	Version	SP3 32-bit OS	X64 Edition SP2 64-bit OS	32-bit OS	64-bit OS	32-bit OS	64-bit OS
GeForce 8800 GT	197.45	⊘	—	⊘	☑	⊘	—
GeForce 9600 GT	197.45	⊘	☑	⊘	☑	⊘	—
GeForce 8600 GT	197.45	⊘	☑	⊘	—	⊘	—
AMD							
Radeon HD 5870	8.732	⊘	—	⊘	—	⊘	☑
Radeon HD 4870 X2	8.732	⊘	—	⊘	☑	⊘	—
Radeon HD 4870	8.732	⊘	☑	⊘	—	⊘	—
Radeon HD 3870		⊘	—	⊘	—	⊘	—
Radeon HD 3850	8.732	⊘	☑	⊘	—	⊘	—
Radeon HD 5750	8.732	⊘	—	⊘	☑	⊘	—
Radeon HD 4650	8.732	⊘		⊘	—	⊘	☑
Radeon HD 3650	8.732	⊘	—	⊘	—	⊘	☑
Radeon HD 3470		⊘	⊘	⊘	⊘	⊘	⊘
Radeon HD 2600 XT		⊘	⊘	⊘	⊘	⊘	⊘
Radeon HD 2600 Pro		⊘	⊘	⊘	⊘	⊘	⊘
Radeon HD 2400 Pro		⊘	⊘	⊘	⊘	⊘	⊘

## Consumer Graphics Cards Caveats & Limitations

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

Consumer NVIDIA Graphics Cards Caveats & Limitations					
Autodesk Mudbox 2011 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
GeForce GT 220	197.75	Microsoft Windows Vista SP2-64	Corruption appears if smooth shade is disabled. Bug #360363	Reported to vendor	No workaround

The following table provides a description of consumer AMD graphics cards caveats and limitations.

Consumer AMD Graphics Cards Caveats & Limitations					
Autodesk Mudbox 2011 for Microsoft Windows					
Graphics Card	Driver	OS	Caveat / Limitation	Status	Workaround
Radeon HD 4650	8.732	Microsoft Windows XP-64	Corruption appears if smooth shade is disabled. Bug #360363	Reported to vendor	No workaround



## 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 2011, Subscription Advantage Pack 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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