

AUTODESK[®] MUDBOX[™] 2009

WORKSTATIONS & PORTABLE COMPUTERS HARDWARE QUALIFICATION

Microsoft[®] Windows[®] Platform

Last updated: June 19, 2009.

Readme First

The information contained in the [Readme First](#) document applies to all hardware qualification executed on the Autodesk Mudbox 2009 (and service packs) software product release and should be acknowledged by all users prior consulting the qualification charts.

What's New

Fujitsu R670 now listed as a supported workstation.

CONTENTS

README FIRST
WHAT'S NEW
IMPORTANT NOTES & DISCLAIMERS
PROCESSORS SUPPORT
WORKSTATIONS / DESKTOPS
MOBILE STATIONS / LAPTOPS
CAVEATS & LIMITATIONS
OPERATING SYSTEM DEPENDENT &
MISCELLANEOUS ISSUES
SEND FEEDBACK ON THIS DOCUMENT

Important Notes & Disclaimers

- Please refer to the [graphics hardware page](#) to obtain further information on the graphics cards that have been qualified for Mudbox 2009
- Please refer to the hardware vendor site to get a list of all supported graphics cards for the workstations listed below
- All hardware qualification done on Mudbox 2009 have been performed using the following configuration:
 - Single screen at resolution of 1920x1200 (60Hz)
 - 4 GB of RAM (workstations) 2 GB of RAM (laptops)
 - SATA drives
 - Virtual memory (swap file size) : maximum size set to 4 GB
 - Microsoft Windows *Classic* Theme
 - Visual Effects Settings adjusted for 'best performance' (found in the performance options of system properties)
- All qualifications done on *Microsoft Vista Business* operating system have been done with the '*desktop composition*' feature disabled (often referred as the AERO feature)
- If you are experiencing additional issues not listed in this document, please search our Knowledge Base or contact customer support (www.autodesk.com/mudbox-support)
- It may be possible to successfully use Mudbox with a non-qualified or partially qualified configuration, but support and maintenance programs will be subject to the Autodesk Support service guidelines
- The graphics drivers specified in this document are the drivers that were used for the qualification process. While it may be possible to use Mudbox successfully on earlier or later drivers, Autodesk cannot guarantee their performance or behavior. The same apply for the systems configuration described above.

Processors support

Table Legend

- ✓ Qualified and supported
- 👍 Supported (although not officially qualified in our lab).

Processors Qualifications for Autodesk Mudbox 2009 for Windows	
Processors	Status
INTEL	
Intel® Xeon®	👍
Dual Quad-Core Intel® Xeon®	✓
Quad-Core Intel® Xeon®	👍
Dual-Core Intel® Xeon®	👍
Intel® Core™ Duo	👍
Intel® Pentium® Dual-Core	👍
Intel® Pentium® D	👍
Intel® Core™2 Quad	✓
Intel® Core™2 Extreme	✓
Intel® Core™2 Duo	✓
Intel® Core™2 Duo Mobile	✓
Intel® Centrino®	👍
AMD	
Dual-Core AMD Opteron™	✓
Athlon™ FX	👍
Athlon™ X2 for notebooks	👍
Athlon™ X2 Dual-Core	👍
Second-Generation AMD Opteron™	👍
AMD Opteron™	👍
Quad-Core AMD Opteron™	👍

Workstations /Desktops

The following table lists the workstations (desktops) that have been qualified for the Mudbox 2009 software product release.

Table Legend

- ✓ Qualified in Autodesk Hardware Qualification Labs
- 📄 Qualification in progress. No issues found so far. Considered as 'Supported' until qualification is officially completed.
- 👍 Qualified with caveats. Refer to Caveats & Limitations.
- ⌚ Qualification planned. Results coming shortly.
- 👍 Supported (although not officially yet qualified in our lab. Qualification may or may not be planned)
- 👎 Tested but not supported
- ✗ Qualification failed due to serious problems.
- Un-tested. Configuration not currently supported by hardware vendor OR no qualification planned.

Workstations/Desktops Qualifications for Autodesk Mudbox 2009 for Windows				
Model	Windows XP SP2		Windows Vista Business SP1	
	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Hewlett-Packard				
Xw9400 quad core	👍	👍	👍	✓
Xw9400 dual core	👍	✓	✓	👍
Xw8600	✓	✓	✓	✓
Xw6600	👍	👍	👍	👍
Xw4600	👍	👍	👍	👍
DELL				
Precision T7400	👍	👍	👍	👍
Precision T3400	👍	✓	👍	👍
Lenovo				
S10	👍	👍	👍	👍
D10	👍	👍	👍	👍

Workstations/Desktops Qualifications for Autodesk Mudbox 2009 for Windows				
Windows XP SP2			Windows Vista Business SP1	
Model	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Fujitsu				
R670	👍	👍	👍	👍
R550	👍	👍	👍	👍
M460	👍	👍	👍	👍

Mobile stations / Laptops

The following table lists the mobile stations (laptops) that have been qualified for the Mudbox 2009 software product release.

Mobile Stations/laptops Qualifications for Autodesk Mudbox 2009 for Windows						
			Windows XP SP2		Windows Vista Business SP1	
Model	Graphics	Driver	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Hewlett-Packard						
8730w	NVIDIA cards	176.56	✗	✗	✗	✗
8730w	NVIDIA QuadroFX 3700M	176.87	✓	👍	✓	👍
8730w	NVIDIA QuadroFX 2700M	176.87	✓	👍	👍	✓
8730w	ATI FireGL v5725	8.523	👍	👍	👍	👍
8530w	NVIDIA cards	176.56	✗	✗	✗	✗
8530w	NVIDIA Quadro FX 770M	176.87	✓	👍	👍	✓
8530w	ATI FireGL v5700	8.523	👍	👍	👍	👍
DELL						
Precision M6400, M4400	NVIDIA cards	176.53	✗	✗	✗	✗
Precision M6400	NVIDIA QuadroFX 3700M	176.88	👍	👍	👍	👍

Mobile Stations/laptops Qualifications for Autodesk Mudbox 2009 for Windows						
			Windows XP SP2		Windows Vista Business SP1	
Model	Graphics	Driver	32-bit OS	64-bit OS	32-bit OS	64-bit OS
Precision M4400	NVIDIA Quadro FX 770M	176.88	👍	✓	✓	👍
Precision M6300	NVIDIA QuadroFX 3600M	176.88	✓	👍	👍	✓
Lenovo						
W700	NVIDIA QuadroFX 3700M	176.55	✗	✗	✗	✗
W700	NVIDIA QuadroFX 3700M	176.93	✓	•	✓	⌚
W500	ATI FireGL v5700	8.523	👍	•	👍	👍
Fujitsu						
H270	NVIDIA QuadroFX 770M	176.78	⌚	⌚	⌚	✓

Caveats & Limitations

Please make sure to refer to the [graphics qualification document](#) in search for potential caveats that may apply to the graphics card in your mobile station or workstation.

The following table provides a description of work/mobile stations caveats and limitations.

Workstations/Laptops Caveats and Limitations					
Vendor & Model	Graphics	Driver	Operating System	Caveat	Status / Workaround
NVIDIA	770M	176.87 (HP) 176.88 (DELL) 176.8x (Others)	Microsoft Windows XP Pro	Important issues have been noticed on those drivers when used with Autodesk Maya.	Issue has been fixed with driver 179.x
ATI	All cards from vendor	8.391.7.2	All	Bug 312127 - Paint brush may generate artifacts on ATI cards	Issue resolved with driver

Workstations/Laptops Caveats and Limitations					
Vendor & Model	Graphics	Driver	Operating System	Caveat	Status / Workaround
					8.543
ATI	All cards from vendor	All	All	The bump mapping quality is poor	
ATI	All cards from vendor	All	All	Non power of two textures render incorrectly when applied as a reflection map.	
ATI - NVIDIA	All	All	All	ATI graphics cards with low graphics memory (256MB) may exhibit problems such as: 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.
All	NVIDIA QuadroFX 3700M & NVIDIA QuadroFX 2700M	176.56 (HP) 176.55 (Lenovo) 176.53 (Dell)	Not specific	Autodesk Mudbox should not be used with this driver due to important instability problems discovered	Drivers 176.87 (HP) 176.93 (Lenovo) 176.88 (Dell) resolve this issue. Please download from vendor's site.

Operating System Dependent & Miscellaneous Issues

No issue encountered so far.

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