



ATI FirePro™/FireGL™ Unified Driver Version 8.563 Release Note

ATI's FirePro™/FireGL™ cards are designed to accelerate 3D workstation applications based on OpenGL and Microsoft DirectX 9.0. With full certification on the leading computer aided design (CAD), architecture/engineering/construction (AEC) and digital content creation (DCC) applications, ATI FirePro™/FireGL™ is the high performance choice for graphics professionals working in Windows. These release notes provide information on the ATI FirePro™/FireGL™ Unified Driver version 8.563.

These release notes provide information on the following:

- *API Support*
- *Workstation family support*
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- *Windows Operating systems supported*
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API Support

OpenGL® 2.0 + extensions

OpenGL Shading Language

Microsoft® DirectX® 9.0

DX9 HLSL



Note: The ATI FirePro™/FireGL™ Unified Driver does not support the Intel Itanium 2 processor based server platforms.



Caution: Pre-unified drivers (7.88 or older) should be un-installed before installing the ATI FirePro™/FireGL™ Unified Driver.



Note: When installing the Catalyst™ Vista driver for Windows Vista, the user must be logged on as an Administrator or have Administrator rights in order to successfully complete the installation of the Catalyst™ Vista driver.

Workstation family support

The ATI FirePro™/FireGL™ Unified Driver version 8.563 software included in this package is designed to support the following ATI FirePro™/FireGL™ products:

Marketing Product Name	WHQL XP	WHQL XP64A	WHQL Vista32	WHQL Vista64	Linux
ATI FirePro V8700	Yes	Yes	Yes	Yes	Yes
ATI FirePro V7750	Yes	Yes	Yes	Yes	Yes
ATI FirePro V3700	Yes	Yes	Yes	Yes	Yes
ATI FirePro V2260	Yes	Yes	Yes	Yes	Yes
ATI FireGL V8650	Yes	Yes	Yes	Yes	Yes
ATI FireGL V8600	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7700	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7600	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7350	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7300	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7200	Yes	Yes	Yes	Yes	Yes
ATI FireGL V7100	Yes	Yes	Yes	Yes	Yes
ATI FirePro V5700	Yes	Yes	Yes	Yes	Yes
ATI FireGL V5600	Yes	Yes	Yes	Yes	Yes
ATI FireGL V5200	Yes	Yes	Yes	Yes	Yes
ATI FireGL V5100	Yes	Yes	Yes	Yes	Yes
ATI FireGL V5000	Yes	Yes	Yes	Yes	Yes
ATI FirePro V3750	Yes	Yes	Yes	Yes	Yes

Marketing Product Name	WHQL XP	WHQL XP64A	WHQL Vista32	WHQL Vista64	Linux
ATI FireGL V3600	Yes	Yes	Yes	Yes	Yes
ATI FireGL V3350	Yes	Yes	Yes	Yes	Yes
ATI FireGL V3300	Yes	Yes	Yes	Yes	Yes
ATI FireGL V3200	Yes	Yes	Yes	Yes	Yes
ATI FireGL V3100	Yes	Yes	Yes	Yes	Yes
ATI FireMV 2400	Yes	Yes	Yes	Yes	Yes
ATI FireMV 22500	Yes	Yes	Yes	Yes	Yes
ATI FireMV 2200	Yes	Yes	Yes	Yes	Yes

Minimum Windows System Requirements

This section provides information on the system requirements for successful installation and operation. The following is a list of minimum system requirements:

- Intel Pentium 4/Xeon™, AMD Athlon/Opteron™ or compatible CPU
- PCI-Express x16 Bus for PCI-Express products
- AGP bus for AGP Products
- 128MB of system memory (256MB or more recommended)
- Installation software requires CD-ROM drive
- 300 watt or greater power supply (recommended)

Windows Operating systems supported

The ATI FirePro™/FireGL™ Unified Driver version 8.563 is designed to support the following operating systems:

- Microsoft Windows Vista (32 and 64 bit versions)
- Microsoft Windows XP
- Microsoft Windows XP Professional x64 Edition

Linux Operating Systems Distributions Supported

The latest version of the ATI Catalyst™ Linux software suite is designed to support the following Linux distributions:

- Red Hat Enterprise Linux suite

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- Novell/SuSE product suite



Note: The ATI Catalyst™ Linux software suite may install on a number of other Linux distributions. Refer to the Package Generation installation instructions for more information.



Note: AMD has accepted contributed packaging scripts to allow creation of other packages, but does not necessarily test, verify or warrant the reliability. Currently Red Hat Enterprise Linux suite and Novell/SuSE product suite are supported Linux distributions

Minimum Linux System Requirements

Before attempting to install the ATI Catalyst™ Linux software suite, the following software must be installed:

- XOrg 6.8, 6.9, 7.0, 7.1, 7.2 or 7.3
- Linux Kernel 2.6 and above
- glibc version 2.2 or 2.3
- POSIX Shared Memory (/dev/shm) support is required for 3D applications

The ATI Catalyst™ Linux software suite no longer provides precompiled Kernel Modules; all installations require GCC compiler and kernel-headers or kernel-source in order to enable 2D and 3D acceleration.

For best performance and ease of use, AMD recommends the following:

- Kernel module build environment - should include the following:
 - Kernel source code: Either the Kernel Source or Kernel Headers packages
- The rpm utility should be installed and configured correctly on your system, if you intend to install via RPM packages

The following packages must be installed in order for the ATI Catalyst™ Linux driver to install and work properly:

- XFree86-Mesa-libGL
- libstdc++
- libgcc
- XFree86-libs
- fontconfig
- freetype
- zlib

Windows Vista (32 and 64 bit) Issues

This section provides last minute information on issues that may be experienced when using this release of the ATI FirePro™/FireGL™ Unified Driver on systems running the Windows Vista (32 or 64 bit version) operating system. These include the following:

Open Issues

- Autodesk Imagewriter 2009 stops responding when moving cursor between viewports. Tracking number 258101.
- Autodesk Imagewriter 2009 a delay may be noticed when rendering the images to the multiple viewports. Tracking number 258155.

Closed Issues

- DX10 vertex buffer stride failure and antialiasing lines fail to render properly
- Viewperf 10.0 Run Forever test will stop responding after one hour
- Video may not render properly when playing some Blu-ray movies

Windows XP (32 and 64 bit) Issues

This section provides last minute information on issues that may be experienced when using this release of the ATI FirePro™/FireGL™ Unified Driver on systems running the Windows XP (32 or 64 bit version) operating system. These include the following:

Open Issues

- RedWay: Depth of Field does renders incorrectly, the image may appear blurred. Tracking number 221004.
- The video preview for certain aspects of the Catalyst Control Center may appear blank when using an ATI FireGL V5000 series of product. Tracking number 241050.
- Reduced AutoCAD 2009 benchmarks scores on ATI Fire Pro 3750/3700 adapters. Tracking number 258061.
- RedWay: Incorrect texture - GLstate bleeding between contexts for ARB VP shader use. Tracking number 234635.
- Running OpenGL applications on a system with two or more monitors connected and extended desktop mode enabled may intermittently result in the operating system failing to respond when attempting to change the display resolution. Tracking number 247909.
- Reduced performance in AutoCAD 2009 with hidden line, gouraud, flat rotate and DXF out tests. Further details can be found in tracking number 258060.
- Autodesk Mudbox 2009 incorrect shader display or no shading on some models. Tracking number 260941.
- System stops responding while playing DivX at 1280 x 720 resolution with component video output. Tracking number 259713.

Closed Issues

- Catalyst Control Center, LCD Overdrive may show up as a supported option on systems
- SolidEdge v19 APC benchmark fails on some RV670 notebooks.
- Catalyst Control Center, using the displays manager to change the display order may cause the system to stop responding
- Render monkey: mod function returns wrong result
- OpenGL window does not updated when moved when configured for 10 bit
- Vital Images CRE - Rendered images have different background color than “Gold” images
- Eonsoftware: may fail when rendering a vertex buffer object
- 10% performance drop in viewperf10 3dsmax1 from previous releases
- SolidWorks 2006 SP5.0 in windowed mode may cause the system to stops responding
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- Doom3: Play the game in full-screen mode may result in the Windows XP Professional x64 Edition operating system failing to respond. This issue may also be experienced when play other OpenGL games
 - Systems with a dual FirePro V7750 configuration may become unstable when running a 3D screen saver
 - Doom 3: Connecting four displays to 2 ATI FireMV cards and playing the game may result in the color settings changing from their default values when restarting the Windows XP Professional x64 Edition operating system
 - Doom3: Enabling extended desktop mode and dragging the game window from the primary to the secondary display may result in the game failing to respond

Linux Issues

This section provides last minute information on issues that may be experienced when using this release of the ATI FirePro™/FireGL™ Unified Driver on systems running the Linux operating system. These include the following:

Open Issues

- DiscoveryStudio1.7: The print preview and save as functions may fail to work properly. Tracking number 216033.
- Running an OpenGL application in Xinerama then disabling and enabling the primary display on a multiview configuration may cause XServer to fail. Tracking number 260127.
- Corruption may occur in Maya with a multiview configuration using three displays. Tracking number 261262.

Closed Issues

- Display remains blank on Secondary panel using clone/horizontal mode on a FireMV2260
- Specviewperf 9.0.3: takes a long time to load test data
- Softimage XSI v7.0, scene corruption may be noticed when loading some solid models