



AMD FirePro™/FireGL™ Unified Driver Version 8.911.3.4 Release Notes

AMD FirePro™/FireGL™ professional graphics cards are designed to accelerate 3D workstation applications. With full certification on the leading computer aided design (CAD), media and entertainment (M&E) and architecture/engineering/construction (AEC) applications, AMD FirePro™/FireGL™ is the high performance choice for graphics professionals. These release notes provide information on the AMD FirePro™/FireGL™ Unified Driver version 8.911.3.4.

These release notes provide information on the following:

- *Workstation Product Family and Operating System Support*
- *Linux Distributions Supported*
- *New Features*
- *Supported Technology*
- *Known and Resolved Issues*



Note: The AMD 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 AMD FirePro™/FireGL™ Unified Driver.



Note: When installing the AMD FirePro™/FireGL™ 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 AMD FirePro™/FireGL™ Vista driver.



Note: The ATI FirePro™ RG220 driver does not install the ATI HD audio driver properly on Windows OS in some cases.

Workstation Product Family and Operating System Support

The AMD FirePro™/FireGL™ Unified Driver version 8.911.3.4 is designed to support the following AMD FirePro™/FireGL™ products and operating systems:

Workstation Devices	WHQL XP-32 XP-64	WHQL Vista-32 Vista-64	WHQL Win7-32 Win7-64	WHQL Server 2008 R2- 64	Linux
ATI FirePro™ V9800	Yes	Yes	Yes	Yes	Yes
AMD FirePro™ V9800P	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V8800	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V8750	Yes	Yes	Yes	No	Yes
ATI FirePro™ V8700	Yes	Yes	Yes	No	Yes
AMD FirePro™ V7900	Yes	Yes	Yes	Yes	Yes
AMD FirePro™ V7900 SDI	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V7800	Yes	Yes	Yes	Yes	Yes
AMD FirePro™ V7800P	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V7750	Yes	Yes	Yes	No	Yes
AMD FirePro™ V5900	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5800	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5800 DVI	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5700	Yes	Yes	Yes	No	Yes
AMD FirePro™ V4900	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V4800	Yes	Yes	Yes	Yes	Yes
AMD FirePro™ V3900	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V3800	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V3750	Yes	Yes	Yes	No	Yes
ATI FirePro™ V3700	Yes	Yes	Yes	No	Yes
ATI FirePro™ 2460	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ 2450	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ 2270	Yes	Yes	Yes	No	Yes
ATI FirePro™ S400	Yes	Yes	Yes	No	Yes
ATI FirePro™ RG220	Yes	Yes	Yes	No	Yes
ATI FireGL™ V8650	Yes	Yes	Yes	No	Yes
ATI FireGL™ V8600	Yes	Yes	Yes	No	Yes
ATI FireGL™ V7700	Yes	Yes	Yes	No	Yes
ATI FireGL™ V7600	Yes	Yes	Yes	No	Yes
ATI FireGL™ V5600	Yes	Yes	Yes	No	Yes
ATI FireGL™ V3600	Yes	Yes	Yes	No	Yes

Workstation Devices	WHQL XP-32 XP-64	WHQL Vista-32 Vista-64	WHQL Win7-32 Win7-64	WHQL Server 2008 R2- 64	Linux
ATI FireMV™ 2260	Yes	Yes	Yes	No	Yes
AMD FirePro™ M5950 (Dell Precision M4600)	Yes	Yes	Yes	No	No
ATI FirePro™ M7740 (Dell Precision M6400)	Yes	Yes	Yes	No	No
ATI FirePro™ M7740 (Dell Precision M6500)	Yes	Yes	Yes	No	No
ATI FirePro™ M7820 (Dell Precision M6500)	Yes	Yes	Yes	No	No
AMD FirePro™ M8900 (Dell Precision M6600)	Yes	Yes	Yes	No	No
ATI FirePro™ M5800 (HP EliteBook 8540w)	Yes	Yes	Yes	No	No
ATI FirePro™ M7820 (HP EliteBook 8740w)	Yes	Yes	Yes	No	No
AMD FireStream™ 9370	Yes	Yes	Yes	Yes	Yes
AMD FireStream™ 9350	Yes	Yes	Yes	Yes	Yes
AMD FireStream™ 9270	Yes	Yes	Yes	No	Yes
AMD FireStream™ 9250	Yes	Yes	Yes	No	Yes
AMD FireStream™ 9170	Yes	Yes	Yes	No	Yes



Note: Windows Vista® and Windows® 7 32-bit OS versions may improperly report the memory size for the 4GB ATI FirePro™ V9800.

Linux Distributions Supported

The latest version of the AMD FirePro™/FireGL™ Linux software suite is designed to support the following distributions:

- Red Hat® Enterprise Linux® –5.7 and 6.1
- SUSE® LINUX Enterprise Desktop (SLED) 10 SP4 and 11 SP1
- SUSE® LINUX Enterprise Server (SLES) 10 SP4 and 11 SP1
- OpenSUSE 11.3 and 11.4
- Ubuntu® 10.10



Note: The AMD FirePro™/FireGL™ 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.

Workstation Family API Support

The AMD FirePro™/FireGL™ Unified Driver version 8.911.3.4 software included in this package is designed to support the following AMD FirePro™/FireGL™ products:

Workstation Devices	Direct X	Open GL
ATI FirePro™ V9800	11	4.1
AMD FirePro™ V9800P	11	4.1
ATI FirePro™ V8800	11	4.1
ATI FirePro™ V8750	10.1	3.3
ATI FirePro™ V8700	10.1	3.3
AMD FirePro™ V7900	11	4.1
AMD FirePro™ V7900 SDI	11	4.1
ATI FirePro™ V7800	11	4.1
AMD FirePro™ V7800P	11	4.1
ATI FirePro™ V7750	10.1	3.3
AMD FirePro™ V5900	11	4.1
ATI FirePro™ V5800	11	4.1
ATI FirePro™ V5800 DVI	11	4.1
ATI FirePro™ V5700	10.1	3.3
AMD FirePro™ V4900	11	4.1
ATI FirePro™ V4800	11	4.1
AMD FirePro™ V3900	11	4.1
ATI FirePro™ V3800	11	4.1
ATI FirePro™ V3750	10.1	3.3
ATI FirePro™ V3700	10.1	3.3
ATI FirePro™ 2460	11	4.1
ATI FirePro™ 2450	10.1	3.3
ATI FirePro™ 2270	11	4.1
ATI FirePro™ S400	-	-
ATI FirePro™ RG220	10.1	3.3
ATI FireGL™ V8650	10	3.3
ATI FireGL™ V8600	10	3.3
ATI FireGL™ V7700	10.1	3.3
ATI FireGL™ V7600	10	3.3
ATI FireGL™ V5600	10	3.3
ATI FireGL™ V3600	10	3.3

Workstation Devices	Direct X	Open GL
ATI FireMV™ 2260	10.1	3.3
AMD FirePro™ M5950 (Dell Precision M4600)	11	4.1
ATI FirePro™ M7740 (Dell Precision M6400)	10.1	3.3
ATI FirePro™ M7740 (Dell Precision M6500)	10.1	3.3
ATI FirePro™ M7820 (Dell Precision M6500)	11	3.3
AMD FirePro™ M8900 (Dell Precision M6600)	11	4.1
ATI FirePro™ M5800 (HP EliteBook 8540w)	11	3.3
ATI FirePro™ M7820 (HP EliteBook 8740w)	11	3.3
AMD FireStream™ 9370	11	4.1
AMD FireStream™ 9350	11	4.1
AMD FireStream™ 9270	10.1	3.3
AMD FireStream™ 9250	10.1	3.3
AMD FireStream™ 9170	10.1	3.3

New Features

The following new features and optimizations have been added to the 8.911.3.x release:

- Support for AMD FirePro™ V3900
- DirectX 9 and OGL support for AMD FirePro™ V7900 SDI
- OpenCL™ runtime support for Linux
- Support for SLED/SLES 10 Service Pack 4
- PTC Creo® OIT performance improvements
- Updated installer branding for professional users

Supported Technology

CrossFire Pro Multi-GPU Technology

Currently, only identical AMD CrossFire™ Pro supported cards can be combined to enable this feature. All mid-range onwards AMD FirePro™ cards are AMD CrossFire™ Pro™ technology-ready. This line-up currently includes the following cards: ATI FirePro™ V5700, ATI FirePro™ V5800, AMD FirePro™ V5900, ATI FirePro™ V7750, ATI FirePro™ V7800, AMD FirePro™ V7900, ATI FirePro™ V8700, ATI FirePro™ V8750, ATI FirePro™ V8800, and ATI FirePro™ V9800 graphics accelerators.

More information on CrossFire Pro technology can be found through the links below.

User Guide: http://www.amd.com/us/Documents/ATI_CrossFire_Pro%20_DS_2.pdf

FAQ: <http://www.amd.com/us/products/workstation/graphics/crossfire-pro/Pages/crossfire-pro-faqs.aspx>

Benchmarks: <http://www.amd.com/us/products/workstation/graphics/crossfire-pro/Pages/performance-scaling.aspx>

Eyefinity Multi-Display Technology

AMD's professional graphics products have the advanced capability of simultaneously supporting up to six independent display outputs from a single GPU.

More information on Eyefinity technology can be found via the links below.

Whitepaper: http://www.amd.com/us/Documents/48404_FirePro_Eyefinity_whitepaper.pdf

Validated hardware: <http://support.amd.com/us/eyefinity/Pages/eyefinity-dongles.aspx>

AMD Accelerated Parallel Processing (APP) SDK

AMD APP technology is a set of advanced hardware and software technologies which enable AMD graphics processing cores (GPU), working in concert with the system's x86 cores (CPU), to accelerate many applications beyond just graphics. This enables load balanced platforms capable of running demanding computing tasks faster than ever. Additionally, AMD APP technology allows developers to further optimize their projects for AMD Accelerated Processing Units (APUs).

The 8.911.3.4 driver supports APP SDK version 2.5.

More information about the APP SDK can be found at:

<http://developer.amd.com/sdks/AMDAPPSDK/Pages/default.aspx>

Known and Resolved Issues

This section provides a list of issues which may be experienced when using this release of the AMD FirePro™/FireGL™ Unified Driver on systems running the Windows or Linux operating systems.

Resolved Issues
Eyefinity Grouping changes position on reboot with more than 2 GPUs
HyperView application encounters corruption while manipulating model from certain case files
Viewer window in Nuke doesn't refresh after resizing window
In Archicad application, actively edited objects not rendered when 2D anti-aliasing is enabled
AA4X Corruption when changing display modes
Softimage viewport is blank after resuming from screen saver
PTC Creo2 application hang when running trail file on V4900 & V9800
Rendering using V-Ray crashes in 3dSMax 2012

Known Issues
VBE produces invalid shadow in Global Illumination on HP Z210 with FirePro V3800
FirePro V7900 resume from sleep may exceed 500ms in some situations
In a multi-gpu system with each GPU connected to at least one monitor, WinDVD10 fails to refresh on Bluray Playback with Windows AERO enabled
3DSMax 2012 Popup box may not refresh with V7900 in some situations
Graphisoft BIMx shows flickering image in Global illumination mode when Quad Buffer is enabled
Google SketchUp B-Walker generates flickering shadow on HP Z210 with FirePro V3800
Changing display resolutions while running OGL apps may cause system failure
Media Playback with Avolites Salvation, stalls on 2nd GPU when interacting with primary desktop
3DViaShape application displays wrong texture border color in some instances
Maxon Cinebench test suite has non-optimal performance when using UBOs
Ventuz3 application produces wrong rendering result
Guest OS in XenServer/VMWare with more than 2GB of RAM allocated, crashes on startup

Additional Support

For additional support, visit our knowledgebase or contact us directly at:

<http://support.amd.com/us/contacts/Pages/global-technical-support.aspx>

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