AMD Proprietary Linux Release Notes

This release note provides information on the latest posting of AMD's Proprietary Linux driver. This particular driver updates the software version to 8.62.

The AMD Linux release notes provide information on the following:

- *Web Content*
- *ATI Workstation Product Support*
- *ATI Mobility™ and Integrated Mobility™ Product Family Support*
- *ATI Desktop Product Family Support*
- *ATI Integrated Product Family Support*
- *AMD FireStream™ Product Family Support*
- *Operating Systems Distributions Supported*
- *System Requirements*
- *New Features*
- *Resolved Issues*
- *Known Issues*
- *Installing the AMD Proprietary Linux Software Driver*
- *Driver Update Notification*
- *Linux Feedback Program*

Web Content

The ATI Catalyst™ Linux Graphics Driver software suite is available through an installer executable.

> **Note:** Refer to the minimum system requirements listed below to ensure you have downloaded the correct driver package for your system.

ATI Workstation Product Support

The ATI Catalyst™ Linux software suite is designed to support the following **ATI** Workstation products:

AMD Workstation Family Product Support	
ATI FirePro™ V8700	ATI FireGL™ V8650
ATI FirePro™ V7750	ATI FireGL™ V8600
ATI FirePro™ V5700	ATI FireGL™ V7700
ATI FirePro™ V3750	ATI FireGL™ V7600
ATI FirePro™ V3700	ATI FireGL™ V5600
ATI FirePro™ 2450	ATI FireGL™ V3600
ATI FirePro™ 2260	

ATI Mobility™ and Integrated Mobility™ Product Family Support

The ATI Catalyst™ Linux software suite is designed to support the following **ATI** Mobility™ products:

AMD Mobility Product Family Support	
ATI Mobility Radeon™ 3870	ATI Mobility Radeon™ X3430
ATI Mobility Radeon™ X3850	ATI Mobility Radeon™ X3400
ATI Mobility Radeon™ X3830	ATI Mobility Radeon™ X2600
ATI Mobility Radeon™ X3670	ATI Mobility Radeon™ X2400
ATI Mobility Radeon™ X3650	ATI Mobility Radeon™ X2300

ATI Desktop Product Family Support

The ATI Catalyst™ Linux software suite is designed to support the following **ATI** desktop products:

AMD Desktop Product Family Support	
ATI Radeon™ HD 4890 Series	ATI Radeon™ HD 4550 Series
ATI Radeon™ HD 4870 X2 Series	ATI Radeon™ HD 4350 Series
ATI Radeon™ HD 4850 X2 Series	ATI Radeon™ HD 3800 Series
ATI Radeon™ HD 4800 Series	ATI Radeon™ HD 3600 Series
ATI Radeon™ HD 4700 Series	ATI Radeon™ HD 3400 Series
ATI Radeon™ HD 4670 Series	ATI Radeon™ HD 2900 Series
ATI Radeon™ HD 4650 Series	ATI Radeon™ HD 2600 Series
ATI Radeon™ HD 4600 Series	ATI Radeon™ HD 2400 Series

> **Note:** The ATI Radeon™ HD 3870 X2 series of product is currently not supported by the ATI Catalyst™ Linux software suite.

> **Note:** All-in-Wonder™ variants based on the above are also supported. However, video capture is not supported.

> **Note:** Software driver support for ATI FireGL™, Integrated, Mobility™ and Desktop products prior to the Radeon™ 9500 is available from *www.amd.com*.

ATI Integrated Product Family Support

The ATI Catalyst™ Linux software suite is designed to support the following **ATI** desktop products:

AMD Chipset Product Support	
ATI Radeon™ HD 3300 Series	ATI Radeon™ 3100 Series
ATI Radeon™ HD 3200 Series	ATI Radeon™ 3000 Series

AMD FireStream™ Product Family Support

The ATI Catalyst™ Linux software suite is designed to support the following **AMD** products:

AMD FireStream™ Product Support	
AMD FireStream™ 9270	AMD FireStream™ 9170
AMD FireStream™ 9250	

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
- Novell/SuSE product suite
- Ubuntu

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 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.

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, 7.3 or 7.4
- Linux kernel 2.6 or 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, ATI recommends the following:

- Kernel module build environment
  - o Kernel source code include 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 Catalyst™ Linux driver to install and work properly:

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

New Features

This section provides information on new features found in this release of the Radeon™ Display Driver. These include the following:

- *Support for New Linux Operating Systems*
- *MultiView for Consumer users*

Support for New Linux Operating Systems

This release of ATI Catalyst™ Linux introduces support for the following new operating system:

- SLED and SLED 11 production support
- RHEL 4.8 early look support

MultiView for Consumer users

Allows users to render applications using multiple GPU configurations with a unified workspace.

- Enables Xinerama in single or multiple configurations up to four GPUs
- Supported on any combination of the ATI Radeon™ HD 4000, ATI Radeon™ 3000 Series and ATI Radeon™ 2000 Series of graphics cards

Resolved Issues

The following section provides a brief description of resolved issues with the latest version of the ATI Catalyst™ Linux software suite. These include:

- With desktop effects enabled, transparent desktop no longer causes desktop icons and application windows to disappear
- Video playback no longer exhibits corruption when desktop effects are enabled and Composite is not explicitly disabled
- [Ubuntu 8.10] System now functions properly when starting X on surround view systems
- Resizing DVD playback window on Mplayer no longer causes blank video
- System instability no longer occurring when switching to full screen DVD playback with Totem Player
- Terminal window no longer displays error message when launching Catalyst Control Center in MultiView
- [Ubuntu 9.04] Xserver now starts properly with ATI Radeon HD 4870 GPU configurations
- [Ubuntu 9.04] When xrandr --prop is evoked, Xserver failure no longer occurs under various system configurations
- The engine clock and memory clock values are now reported properly by ATI CAL

Known Issues

The following section provides a brief description of known issues associated with the latest version of ATI Catalyst™ Linux software suite. These issues include:

- Some systems may report no CrossFire™ adapters available during driver re-install
- Starting X with a second hotplugged display may cause segmentation fault

- System may stop responding when running Return to Castle Wolfenstein: Enemy Territory
- [SUSE11] The display might not turn off while disabling the output
- On some multi-monitor configurations, disabling one display may cause both displays to become disabled
- X Server may intermittently fail to start on some multi adapter configurations
- On some multi monitor configurations the mouse cursor may fail to render when moved to secondary displays
- [Ubuntu 9.04] Segmentation fault may occur with X server Xinerama is enabled

Note: On Novell's openSUSE, SLED and SLES operating systems running "sax2" or "sax2 -r" on the console overwrites the X.Org configuration file xorg.conf, reverting changes made by running "aticonfig --initial". As a result subsequent X session may start up using the open source Radeon on X-Vesa graphics drivers instead of the proprietary ATI Linux Graphics Driver.

Solution: Do not use Sax2 when the proprietary Linux Graphics Driver is installed. Instead configure all display parameters using the Catalyst Control Center--Linux Edition or the aticonfig command line interface.

Installing the AMD Proprietary Linux Software Driver

Installation information can be found at: *How to Install Your ATI Product*.

Driver Update Notification

To receive driver notifications, add the following RSS feed to your RSS reader: *http://www2.ati.com/rss/catalyst.rss*

Note: In order to receive notifications you will need to have an RSS reader installed.

Linux Feedback Program

The ATI Catalyst™ Linux software suite releases may incorporate suggestions received through the Linux feedback program.

Please refer to *http://www.amd.com/us/LinuxCrewSurvey* to provide us with feedback.