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 8.681.

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™ V8750	ATI FirePro™ 2260
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 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™ HD 4870	ATI Mobility Radeon™ HD 4100
ATI Mobility Radeon™ HD 4860	ATI Mobility Radeon™ HD 3870
ATI Mobility Radeon™ HD 4850	ATI Mobility Radeon™ HD 3850
ATI Mobility Radeon™ HD 4830	ATI Mobility Radeon™ HD 3670
ATI Mobility Radeon™ HD 4670	ATI Mobility Radeon™ HD 3650
ATI Mobility Radeon™ HD 4650	ATI Mobility Radeon™ HD 3430
ATI Mobility Radeon™ HD 4500	ATI Mobility Radeon™ HD 3400
ATI Mobility Radeon™ HD 4300	ATI Mobility Radeon™ HD 2600
ATI Mobility Radeon™ HD 4200	ATI Mobility Radeon™ HD 2400

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 5900 Series	ATI Radeon™ HD 4600 Series
ATI Radeon™ HD 5800 Series	ATI Radeon™ HD 4550 Series
ATI Radeon™ HD 5700 Series	ATI Radeon™ HD 4350 Series
ATI Radeon™ HD 4890 Series	ATI Radeon™ HD 3800 Series

ATI Radeon™ HD 4870 X2 Series	ATI Radeon™ HD 3600 Series
ATI Radeon™ HD 4850 X2 Series	ATI Radeon™ HD 3400 Series
ATI Radeon™ HD 4800 Series	ATI Radeon™ HD 2900 Series
ATI Radeon™ HD 4700 Series	ATI Radeon™ HD 2600 Series
ATI Radeon™ HD 4670 Series	ATI Radeon™ HD 2400 Series
ATI Radeon™ HD 4650 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 4200 Series	ATI Radeon™ 3100 Series
ATI Radeon™ HD 3300 Series	ATI Radeon™ 3000 Series
ATI Radeon™ HD 3200 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
  - 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*
- *ATI Catalyst Control Center Linux Edition: Displays pages: user interface enhancements*

Support for New Linux Operating Systems

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

- RedFlag DT6.0 SP3
- SLED and SLES 10SP3

ATI Catalyst Control Center Linux Edition: Displays pages: user interface enhancements

This release of ATI Catalyst™ Linux introduces support for a number of new display features found in the ATI Catalyst Control Center Linux Edition, highlights include:

- CRT/VGA settings
  - New Size and Position page
  - New HDTV page
- TV settings
  - New option for "Automatic setting for Size and Position adjustment"
  - New image quality settings: "flicker removal" and "S-Video/Composite sharpness"
- Component Video settings
  - New Scaling Options page – new Overscan / Underscan controls
  - New custom mode support for 576 modes
- Support for display projectors
  - Enables quick display configuration of display projectors

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:

- Desktop resolution changes through Catalyst Control Center are now applied on restart of X

- Catalyst Control Center: Display is now mapped to the correct desktop/screen after X restarts

- In dual-head mode, performing a XRandR command (rotation or screen resolution change) on screen 1 no longer cause both screens to display corruption

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:

- Catalyst Control Center: disabling one of the displays on a multi-monitor configuration, may become enabled on Xserver restart

- On some configurations the Operating System may become unresponsive when switching between virtual terminals

- Catalyst Control Center: on some systems configurations setting a customized modes may not be applied

- Some Open GL applications may show corruption when running with CrossFire enabled and Anti-Alias 16x

- Some systems may become unresponsive during video play back with certain Dual Head configurations on Ubuntu 9.04 x86 64bit

- Catalyst Control Center: on some systems setting a customized modes may not be applied

- Catalyst Control Center: Red Hat Enterprise Linux 5.4 - 32 system may stop responding after selecting "Detect Displays button" and hot-plugging a HDMI display

- CrossFire may fail to be enabled on some Ubuntu 9.10 configurations with   ATI Radeon HD 5900 Series adapter

- X may stop responding after executing multiple Xserver generations with Xinerama enabled on Ubunut 9.10

- Catalyst Control Center: Super Anti-Aliasing (16x) mode may not be available on some display adapters when Crossfire is enabled

- Catalyst Control Center: some system configurations may stop responding when display scalinng has been enebled

- In some Dual-Head mode configurations a segmentation fault may occur when X is stopped

- [Ubuntu 9.04] Some video adapters may stop video output signals when monitor has been powered off and powerd on again

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

Installtion information and instructions can be found by downloading the Installer Instructions PDF:
From the [Graphics Driver & Software download](#) page select:

> Linux x86 or Linux x86_64
> Select your graphics adapter
> Select GO
> From The ATI Catalyst Display Driver page, select the Installer Instructions link

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.