ATI Catalyst™ Software Suite Version 10.7 Release Notes

This release note provides information on the latest posting of AMD's industry leading software suite, ATI Catalyst™. This particular software suite updates both the AMD Display Driver, and the ATI Catalyst™ Control Center. This unified driver has been further enhanced to provide the highest level of power, performance, and reliability. The ATI Catalyst™ software suite is the ultimate in performance and stability.

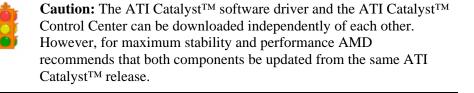For exclusive ATI Catalyst™ updates follow *CatalystMaker* on Twitter.

This release note provides information on the following:

- *Web Content*
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- *New Features*
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Web Content

The Catalyst™ Software Suite 10.7 contains the following:

- ATI Radeon™ display driver 8.753
- HydraVision™ for both Windows XP, Vista and Windows 7
- Southbridge/IXP Driver
- ATI Catalyst™ Control Center Version 8.753

Caution: The ATI Catalyst™ software driver and the ATI Catalyst™ Control Center can be downloaded independently of each other. However, for maximum stability and performance AMD recommends that both components be updated from the same ATI Catalyst™ release.

Caution: The ATI Catalyst™ Control Center requires that the Microsoft .NET Framework SP1 be installed. Without .NET SP1 installed, the ATI Catalyst™ Control Center will not launch properly and the user will see an error message.

Note: These release notes provide information on the ATI Radeon™ display driver only. For information on the ATI Multimedia Center™, HydraVision™, HydraVision Basic Edition, Remote Wonder™, or the Southbridge/IXP driver, please refer to their respective release notes found at: *http://support.amd.com/*.

Note: ATI Eyefinity technology gives gamers access to incredibly high display resolutions. As pixel count grows, the graphics horsepower required to drive the displays at a reasonable frame rate can increase dramatically. Depending on the game and system configuration, users may notice texture corruption and reduced frame rates when running games in multi-monitor Eyefinity modes.

Note: WDM drivers are no longer bundled in the ATI Catalyst™ software suite. The WDM drivers install bundle can be downloaded independently through the AMD website.

Note: The Drag and Drop Transcoding feature is a beta level feature provided only for evaluation purposes. The Drag and Drop Transcoding feature is only supported on single and dual core CPUs, and supported on devices that support Media Transfer Protocol (MTP).

> **Note:** Although listed in the documentation, ADL_Adapter_ClockInfo_Get is not available in the current version of the ADL. The code for obtaining the clock information was excluded due to inaccurate information being reported when the card is over-clocked. Future updates of ADL SDK will reflect this change. As an alternative, ADL_Overdrive5_ODParameters_Get() can be used but this API is only supported on R600 and above ASICs.

AMD Product Support

The ATI Catalyst™ driver supports the following ATI Radeon™ products.

AMD Desktop Product Family Support

AMD Desktop Product Family Support	
ATI Radeon™ HD 5900 Series	ATI Radeon™ HD 4670 Series
ATI Radeon™ HD 5800 Series	ATI Radeon™ HD 4650 Series
ATI Radeon™ HD 5700 Series	ATI Radeon™ HD 4600 Series
ATI Radeon™ HD 5600 Series	ATI Radeon™ HD 4550 Series
ATI Radeon™ HD 5500 Series	ATI Radeon™ HD 4350 Series
ATI Radeon™ HD 5400 Series	ATI Radeon™ HD 3800 Series
ATI Radeon™ HD 4890 Series	ATI Radeon™ HD 3600 Series
ATI Radeon™ HD 4870 X2 Series	ATI Radeon™ HD 3400 Series
ATI Radeon™ HD 4850 X2 Series	ATI Radeon™ HD 2900 Series
ATI Radeon™ HD 4800 Series	ATI Radeon™ HD 2600 Series
ATI Radeon™ HD 4700 Series	ATI Radeon™ HD 2400 Series

AMD FireStream™ Product Family Support

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

AMD Chipset Product Support

AMD Chipset Product Support	
ATI Radeon™ HD 4290	ATI Radeon™ 3200 Series
ATI Radeon™ HD 4250	ATI Radeon™ 3100 Series
ATI Radeon™ HD 4200 Series	ATI Radeon™ 3000 Series
ATI Radeon™ HD 3300 Series	

Catalyst™ Mobility is a notebook reference graphics driver for with limited support for system vendor specific features. Support is available for Windows Vista and Windows 7 to be used at your own risk.

The Installation Verification Software will prevent driver download on certain notebook products. This is to protect against the installing of drivers that may disable features or functionality provided by the system manufacturer. If unacceptable behavior is experienced using Catalyst™ Mobility it is recommended to revert back to the driver provided by your system vendor for your specific platform. Please contact your system vendor for the most recent drivers for your notebook.

AMD Mobility™ Product Family Support	
ATI Mobility Radeon™ HD 5800 Series	ATI Mobility Radeon™ HD 3800 Series
ATI Mobility Radeon™ HD 5700 Series	ATI Mobility Radeon™ HD 3600 Series
ATI Mobility Radeon™ HD 5600 Series	ATI Mobility Radeon™ HD 3400 Series
ATI Mobility Radeon™ HD 5400 Series	ATI Mobility Radeon™ HD 3200 Series
ATI Mobility Radeon™ HD 5100 Series	ATI Mobility Radeon™ 3100 Series
ATI Mobility Radeon™ HD 4800 Series	ATI Mobility Radeon™ HD 2700 Series
ATI Mobility Radeon™ HD 4600 Series	ATI Mobility Radeon™ HD 2600 Series
ATI Mobility Radeon™ HD 4500 Series	ATI Mobility Radeon™ HD 2400 Series
ATI Mobility Radeon™ HD 4200 Series	ATI PowerXpress enabled notebooks using AMD chipsets
ATI Mobility Radeon™ 4100 Series	

The following notebooks are not supported in this release:
- Any notebook launched after this driver release
- Switchable Graphics enabled notebooks using Intel chipsets.
- Toshiba notebooks (please contact the notebook OEM for driver support for these notebooks)
- Sony VAIO notebooks (please contact the notebook OEM for driver support for these notebooks)
- Panasonic notebooks (please contact the notebook OEM for driver support for these notebooks)

Operating Systems Supported

The latest version of the ATI Catalyst™ software suite is designed to support the following Microsoft Windows platforms:

- Windows 7 32-bit version
- Windows 7 64-bit version
- Windows Vista 32-bit version
- Windows Vista 64-bit version
- Windows XP Professional
- Windows XP Home Edition

- Windows XP Media Center Edition
- Windows XP Professional x64 Edition

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

New Features

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

- *ATI Eyefinity - HydraVision enhancements*
- *Enhanced Pull-down detection*
- *ATI CrossFireX™ technology – support for rotated displays*
- *ATI Radeon GPU acceleration of VLC 1.1.1 Media Player*

ATI Eyefinity - HydraVision enhancements

- Maximizing a window across displays will now take user defined bezel compensation into account
- Automatically adjusts window position when dragging and dropping windows to ensure title bar visibility
- Proper dialog box placement - dialogs do not cross displays, are not hidden behind bezels, and can be designated to be shown on the users "preferred" display

Enhanced Pull-down detection

- The Pull-down detection algorithm has been enhanced for higher visual quality on certain types of video content
- Supported on the ATI Radeon™ HD 5000 Series

ATI CrossFireX™ technology – support for rotated displays

- This release of ATI Catalyst™ enables end users running supported ATI CrossFireX™ configurations to rotate their displays (single or ATI Eyefinity display configurations) and still enjoy the performance benefits of ATI CrossFireX™ technology

ATI Radeon GPU acceleration of VLC 1.1.1 Media Player

- Enables GPU acceleration of h.264 video content when using the VLC 1.1.1 Media Player – delivering a better user experience by consuming less system resources
- Supported on the ATI Radeon™ HD 5000 and ATI Radeon™ HD 4000 Series of products
- Requires VLC version 1.1.1 and later

Performance Improvements

The following performance gains are noticed with this release of Catalyst™ 10.7:

- **Borderlands**
    - Performance increases 3-5% on ATI Radeon™ HD 5800 and ATI Radeon™ HD 5700 series single card and CrossFire™ configurations when anti-aliasing and anisotropic filtering is enabled
    - Performance increases 3-8% on ATI Radeon™ HD 5970 single card and CrossFire™ configurations when anti-aliasing and anisotropic filtering is enabled
    - Performance increases 2-6% on ATI Radeon™ HD 5600 and ATI Radeon™ HD 5500 series single card configurations when anti-aliasing and anisotropic filtering is enabled
    - Performance increases 2-10% on ATI Radeon™ HD 4800 series single card and CrossFire™ configurations when anti-aliasing and anisotropic filtering is enabled

Resolved Issues for All Windows Operating Systems

This section provides information on resolved issues in this release of the ATI Catalyst™ Software Suite for Windows. These include:

- "Current Setting" indicator will now appear when "Windows desktop" option is selected in "Catalyst™ Control Center - Basic" for specific CV resolutions

Resolved Issues for the Windows 7 Operating System

This section provides information on resolved issues in this release of the ATI Catalyst™ Software Suite for Windows 7. These include:

- "Desktop Window Manager has stopped working" error no longer appears after driver installation on specific cards
- ATI Stream (CAL) test no longer exits with exception error under CrossFire™ configurations
- Screen no longer turns blank when flashlight is turned on in "The Chronicles of Riddick 2" with Screen Space Ambient Occlusion enabled
- Running Unigine Heaven 2.1 (OpenGL) with "Tessellation" enabled no longer causes system to fail
- Player no longer exits abruptly while changing basic quality settings in Catalyst™ Control Center
- Browser no longer fails after repeated system suspend/resume and video playback pauses while viewing YouTube content

Resolved Issues for the Windows Vista Operating System

This section provides information on resolved issues in this release of the ATI Catalyst™ Software Suite for Windows Vista. These include:

- ATI Stream (CAL) test no longer exits with exception error under CrossFire™ configurations

Resolved Issues for the Windows XP Operating System

This section provides information on resolved issues in this release of the ATI Catalyst™ Software Suite for Windows XP. These include:

- "Age Of Empires: The Rise of Rome" no longer fails and display error message when the diplomacy button is clicked
- Flickering no longer observed when task switching between game and desktop with Alt+Tab in "Need for Speed: Shift" game

Known Issues Under All Windows Operating Systems

The following section provides a summary of open issues that may be experienced under the Windows operating system in the latest version of Catalyst™. These include:

- OpenCL™ 1.0 conformance tests have not been run with this version of the ATI Catalyst™ Driver Suite in conjunction with the ATI Stream SDK v2.2. If you require an OpenCL™ 1.0 conformant driver, we recommend that you install the ATI Catalyst™ 10.5 Driver Suite
- Catalyst™ Control Center: Enable dialogue reposition does not show on proper monitor when system is configured with 4 displays
- With Hydravision "ATI Eyefinity Enhancements" enabled and radio button "Show on application's display" selected, dialogue boxes may continue to pop up beneath the bezels if bezels are corrected to zero
- Catalyst™ Control Center - Basic wizard pane or resolution combo box in "Display Setting for Desktop Viewing" page may go blank in basic view for component video mode
- HDMI default refresh rate may appear as 50 Hz instead of 60 Hz under HDTV in Catalyst™ Control Center

Known Issues Under the Windows 7 Operating System

The following section provides a summary of open issues that may be experienced under the Windows 7 operating system in the latest version of Catalyst™. These include:

- Drag and Drop transcoded H264i content may showing deinterlacing lines
- "Borderlands" may intermittently fail after a duration of gameplay
- PowerDVD may exhibits blue and pink tint and might not display smooth transition when adjusting brightness and contrast in Catalyst™ Control Center when viewing Blu-ray content
- Green texture corruption may be observed when resolution/video settings are changed in "Metro 2033" game in DirectX 10 and 11 mode on some cards
- Desktop line corruption might be observed after powering off the DP display and then turning it on while viewing Blu-ray content
- Drag and Drop transcoded H264i content may experience audio and video synchronization issues when viewed on some devices

Known Issues Under the Windows Vista Operating System

The following section provides a summary of open issues that may be experienced under the Windows Vista operating system in the latest version of Catalyst™. These include:

- Corruption might be visible in "Doom 3" and "Quake 4" with ATI Radeon™ HD 4700 Series cards
- Performing bezel compensation on 3x2 Eyefinity configuration may cause the bezel group (resolutions) to go missing
- All but the primary display under Eyefinity configuation might become disabled while changing the preferred display at lowest Bezel compensated resolution
- Choppy HD playback might occur while changing color vibrance and fleshtone correction in Catalyst™ Control Center - Advanced Color

Known Issues Under the Windows XP Operating System

The following section provides a summary of open issues that may be experienced under the Windows XP operating system in the latest version of Catalyst™. These include:

- Minor frame drops may be observed while viewing HD interlaced content

Installing the ATI Catalyst™ Vista Software Driver

For further information and general help on software driver installation, game issues, and more, visit *AMD Customer Care*.

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

ATI Catalyst™ Crew Driver Feedback

This driver release incorporates suggestions received through the ATI Catalyst™ CREW Driver Feedback program. To provide us with your feedback, visit *ATI Catalyst™ Crew Driver Feedback*.