

AMD *ATI Catalyst™ Software Suite Version 10.6 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:

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Web Content

The Catalyst™ Software Suite 10.6 contains the following:

- ATI Radeon™ display driver 8.741
- HydraVision™ for both Windows XP, Vista and Windows 7
- Southbridge/IXP Driver
- ATI Catalyst™ Control Center Version 8.741



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	

AMD Mobility Product Support

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

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- 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:

- *GPU acceleration of H.264 video content using Adobe® Flash Player 10.1*
- *Video De-blocking support*
- *Mosquito noise reduction*
- *Official support for OpenGL 4.0 and OpenGL 3.3*

GPU acceleration of H.264 video content using Adobe® Flash Player 10.1

- AMD GPU acceleration of Adobe® Flash Player 10.1 delivers smooth high definition video playback and reduces system resource utilization
- Adobe Flash Player 10.1 can be accelerated on notebook and desktop platforms featuring AMD graphics including:
 - ATI Radeon™ HD 5000 and ATI Radeon™ HD 4000 series
 - ATI Mobility ATI Radeon™ HD 400 series (and higher)
 - ATI Radeon™ HD 3000 series integrated graphics (and higher)

Video De-blocking support

- Reduces blocking artifacts seen in low-bit rate video during playback
- Supported on the ATI Radeon™ HD 5000 Series of products

Mosquito noise reduction

- Reduces mosquito noise seen in highly compressed progressive video, during playback
- Supported on the ATI Radeon™ HD 5000 Series of products

Official support for OpenGL 4.0 and OpenGL 3.3

- ATI Catalyst 10.6 delivers official support for OpenGL 4.0 on the ATI Radeon™ HD 5000 Series
- ATI Catalyst 10.6 delivers official support for OpenGL 3.3 on the ATI Radeon™ HD Series

Performance Improvements

The following performance gains are noticed with this release of Catalyst™ 10.6:

- **3DMark Vantage**
 - Overall scores improve up to 5% on a single ATI Radeon™ HD 5970
- **Batman: Arkham Asylum**
 - Performance improves up to 5% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 10% on CrossFire™ ATI Radeon™ HD 5970 configurations
- **Aliens vs. Predator DirectX® 11 Benchmark**
 - Performance improves up to 4% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 10% on CrossFire™ ATI Radeon™ HD 5970 configurations
 - Performance improves up to 3% on CrossFire™ ATI Radeon™ HD 5700 Series products
- **Company of Heroes – DX10**
 - Performance improves up to 7% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 5% with single card and CrossFire™ ATI Radeon™ HD 5970 configurations
- **DiRT 2 – DX9**
 - Performance improves up to 10% on single card ATI Radeon™ HD 5800 Series products
 - Performance improves up to 10% on single card ATI Radeon™ HD 5970 configurations
 - Performance improves up to 4% on single card ATI Radeon™ HD 5700 Series products
- **The Chronicles of Riddick - Assault on Dark Athena**
 - Performance improves up to 15% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 13% on CrossFire™ and single card ATI Radeon™ HD 5970 configurations
 - Performance improves up to 8% on CrossFire™ ATI Radeon™ HD 5700 Series products
- **World in Conflict**
 - Performance improves up to 6% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 8% on CrossFire™ and single card ATI Radeon™ HD 5970 configurations

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- **Wolfenstein**
 - Performance improves up to 18% on CrossFire™ ATI Radeon™ HD 5800 Series products
 - Performance improves up to 18% on CrossFire™ and single card ATI Radeon™ HD 5970 configurations
 - Performance improves up to 11% on CrossFire™ ATI Radeon™ HD 5700 Series products

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:

- "Battlefield 2: Bad Company" maps no longer takes unusually long to load
- Assigned hotkeys are now retained for "Desktops & Displays" after Catalyst Control Center restart

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:

- "The Chronicles of Riddick 2: Assault on Dark Athena" no longer displays white pixel corruption on walls while playing the "Pitch Black" stage with Super Anti-Alias and in-game Anti-Alias enabled
- Corruption no longer visible during "Bioshock 2" gameplay in DirectX 9 and DirectX 10 mode with CrossFire™ enabled
- Booting the operating system without displays connected no longer causes CrossFire™ to become disabled
- Grass and crops are no longer rendered randomly at unusual locations in "Battlefield 2: Bad Company" game scenes
- Blank/static display no longer observed after loading a game in "TimeShift" with Super Anti-Alias and CrossFire™ enabled
- Enabling Tessellation no longer causes "Unigine Heaven 2.1" to stop functioning
- Graphical settings can now be adjusted to higher values in "Grand Theft Auto 4: Episodes from Liberty City" with Crossfire™ enabled
- Under Multi-GPU configuration with Crossfire™ enabled, setting both "Shaders Quality" and "Post-Processing Quality" to "Enthusiast" no longer causes frame rate drops in "Crysis Warhead" DirectX 9 game

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:

- Toggling from window mode to fullscreen mode now functions properly in "Assassin's Creed" game with DirectX 10

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- Toggling between desktop and "Battlefield: Bad Company 2" game no longer causes flickering under Multi-GPU configuration
 - Desktop corruption no longer visible while playing SD/Blu-ray content with display set to 120Hz refresh rate
 - [Catalyst Control Center] Video basic color controls in the "All Settings" page can now be applied and will not shift to default values
 - Disabling CrossFire™ for the first time no longer causes the "Contrast" value to change to zero in Catalyst Control Center - Display Properties Color page
 - Flashing texture corruption no longer visible during game play for "Company of Heroes: Opposing Fronts"

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:

- Desktop corruption no longer visible while playing SD/Blu-ray content with display set to 120Hz refresh rate
- "Age of Empires" online game no longer displays error and becomes unplayable when the strategy button is clicked

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 v2.1. If you require an OpenCL™ 1.0 conformant driver, we recommend that you install the ATI Catalyst™ 10.5 Driver Suite

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
- "Desktop Window Manager has stopped working" error may appear after driver installation on specific cards and will not be enabled until after restart
- [Catalyst Control Center] Customized Avivo video settings may revert to default values after resuming from sleep/hibernation during SD or Blu-ray playback
- Blank screen may be observed when flashlight is turned on in "The Chronicles of Riddick 2" with Screen Space Ambient Occlusion enabled
- 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
- 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:

- Performing bezel compensation on 3x2 Eyefinity configuration may cause the bezel group (resolutions) to go missing

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:

- "Age Of Empires: The Rise of Rome" may terminate abruptly and display error message when the diplomacy button is clicked
- 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](#).