

AMD *ATI Catalyst™ Software Suite Version 10.4 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*
- *AMD Product Support*
- *Operating Systems Supported*
- *New Features*
- *Performance Improvements*
- *Resolved Issues for All Windows Operating Systems*
- *Resolved Issues for the Windows 7 Operating System*
- *Resolved Issues for the Windows Vista Operating System*
- *Resolved Issues for the Windows XP Operating System*
- *Known Issues Under All Windows Operating Systems*
- *Known Issues Under the Windows 7 Operating System*
- *Known Issues Under the Windows Vista Operating System*
- *Known Issues Under the Windows XP Operating System*
- *Installing the ATI Catalyst™ Vista Software Driver*
- *ATI Catalyst™ Crew Driver Feedback*

Web Content

The Catalyst™ Software Suite 10.4 contains the following:

- ATI Radeon™ display driver 8.723
- HydraVision™ for both Windows XP, Vista and Windows 7
- WDM Driver Install Bundle
- Southbridge/IXP Driver
- ATI Catalyst™ Control Center Version 8.723



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, WDM, Remote Wonder™, or the Southbridge/IXP driver, please refer to their respective release notes found at: <http://support.amd.com/>.



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.



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: 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).

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 Multimedia Family Product Support

AMD Multimedia Family Product Support	
ATI All-in-Wonder™ HD	ATI Theater™ 650
ATI Theater™ HD 750	ATI Theater™ 600



Note: The ATI Catalyst™ driver includes TV/Capture driver support for many ATI Theater 600 and ATI Theater 650 products under Windows 7 (in addition to ATI Theater HD 750). Windows 7 TV/Capture functionality is currently NOT supported by ATI Catalyst™ for the following products only: ATI All-in-Wonder HD, ATI TV Wonder 650 Combo USB, and ATI TV Wonder 600 USB.

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)
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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 Catalyst – Video enhancements*
- *AMD video transcoding updates*

ATI Catalyst – Video enhancements

- H.264 Level 5.1 support
 - ATI Catalyst™ can now playback 5.1 level streams on all supported players
 - Allows for playback of high resolutions (4Kx2K)

AMD video transcoding updates

- This release of ATI Catalyst™ provides enhanced support for the Windows 7 Drag and Drop video converter
 - Performance improvements
 - New formats supported (H.264 file formats – MTS, and WMV9 Complex profile interlaced content)
 - ATI Catalyst™ Control Center option for enabling/disabling GPU acceleration
- Support for the ATI Video converter is now available in the advanced view of the ATI Catalyst Control Center

Performance Improvements

The following performance gains are noticed with this release of Catalyst™ 10.4:

- **S.T.A.L.K.E.R. – Clear Sky**
 - Improves up to 6% with ATI Radeon™ HD 5970 graphics products
 - Improves up to 3% with ATI Radeon™ HD 5800 graphics products
 - Improves up to 3% on 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:

- Desktop mouse cursor will no longer intermittently appear enlarged
- Pressing the "Page Down" button while configuring the last display in Eyefinity group will now properly switch to the next display instead of closing the bezel user interface
- Shortcut keys to configure the bezel now functions properly

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:

- "Battlefield 2: Bad Company" maps no longer takes unusually long to load for ATI Radeon™ HD 5000 Series
- Performance on 2D applications and benchmarks has now been fixed
- Catalyst Control Center - Advanced options no longer becomes disabled after connecting second display in clone mode
- Video Gamma now functions properly during SD/HD video playback with Adobe Flash Player 10.1
- Video corruption no longer visible while watching live HD Jade Channel (Hong Kong) with Windows Media Center
- Flashing no longer visible in "Shattered Horizon" game with CrossFire™ enabled
- Changing in-game resolution in "Alien vs. Predator" no longer causes screen flickering under multi-GPU configuration
- Tint setting under Catalyst Control Center - Basic Color now displays smooth transition when adjusted for Blu-ray playback
- In-game anti-alias now functions properly when other in-game options like Volumetric Effects are enabled in "Empire: Total War" and "Napoleon: Total War" games
- Flickering corruption and flashing textures are no longer visible in "Battlefield 2: Bad Company"
- "NecroVisioN" game now launches properly in DirectX 10 mode
- Desktop corruption no longer observed on enabling Aero effects or updating graphics score
- Blank screen no longer observed when 8X anti-aliasing is applied in "The Chronicles of Riddick 2" 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:

- Audio playback devices now properly displays "ATI HDMI Output" when a HDMI display is connected
- Display no longer flashes black when high settings of 19x12 are applied to in-game settings for "Dawn of War 2"
- Corruption no longer visible during full screen playback with Flash Player 10.1 on ATI Radeon™ HD 4800 Series
- A high CPU usage is no longer observed when GPU encoding is enabled for dual core systems

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:

- [Adobe Flash Player] Resume from standby no longer causes hardware acceleration may become disabled
- "Resident Evil 5" now launches properly on a HDMI display on an AGP card
- "Golfstar" game no longer encounters nProtect GameGuard security program compatibility issues

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:

- Loading time between maps in "Battlefield 2: Bad Company" may be long for ATI Radeon™ HD 2000, 3000 and 4000 Series
- "Catalyst Control Center is not supported..." warning message may appear and Graphics menu for Catalyst Control Center Advanced view may be missing after relogging into system after a Remote Desktop connection
- Utilizing hardware shaders (perfect mode) may cause text to become corrupted and unreadable while loading any mission in "IL-2 Sturmovik: 1946" game

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:

- Alt-Tabbing to desktop and back into "Mass Effect 2" game may cause the display to go black
- Catalyst Control Center might not remember the position of fourth monitor in Eyefinity group

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- Performance drop (approximately 34%) may be observed in "Empire: Total War" with anti-alias enabled on some cards
 - Drag and Drop transcoded H264i content may experience audio and video synchronization issues and deinterlacing lines when viewed on some devices
 - Under multi-GPU configuration with Crossfire™ enabled, setting both "Shaders Quality" and "Post-Processing Quality" to "Enthusiast" may cause the frame rate to drop in "Crysis Warhead" DirectX 9 game

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:

- HBR (high bit-rate) audio might not function properly with a few selected receivers
- 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:

- PowerDVD may exhibit blue and pink tint when adjusting brightness and contrast in Catalyst Control Center when viewing Blu-ray 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](#).