

# AMD *ATI Catalyst™ Software Suite Version 10.3 Release Notes*

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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*

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## Web Content

The Catalyst™ Software Suite 10.3 contains the following:

- ATI Radeon™ display driver 8.712
- HydraVision™ for both Windows XP, Vista and Windows 7
- WDM Driver Install Bundle
- Southbridge/IXP Driver
- ATI Catalyst™ Control Center Version 8.712



**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.

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**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.

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**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/>.

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**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.

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**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.

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**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 FireStream™ Product Family Support

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

### 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.

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## AMD Chipset Product Support

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

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## 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™ support for ATI Mobility Radeon™ Premium Graphics solutions*
- *ATI Catalyst Control Center - ATI Eyefinity technology enhancements*
- *ATI Catalyst™ support for 3D Stereoscopic glasses*

### ATI Catalyst™ support for ATI Mobility Radeon™ Premium Graphics solutions

- This release of ATI Catalyst™ introduces support for the production version of Windows® 7 and Windows® Vista for notebooks featuring the ATI Mobility Radeon™ HD 2000 Series, ATI Mobility™ Radeon HD 3000 Series, and ATI Mobility Radeon™ HD 4000 Series, and ATI Mobility Radeon™ HD 5000 Series of products
- Supported by most major OEM and ODM notebook manufacturers

### ATI Catalyst Control Center - ATI Eyefinity technology enhancements

- **Multiple ATI Eyefinity Groups**
  - Create more than one ATI Eyefinity group from multiple displays
- **Display Bezel Compensation**
  - Easy-to-use wizard shows users how to adjust their display layout to remove the pixels occupied by their display bezels



**Note:** Bezel compensation is available only for sets of monitors that have pixel resolution and density within a 5% tolerance of each other.

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- **Per-Display Color Adjust**
  - Individual Color, Brightness and Contrast controls
- **Improved Display Configuration switching**
  - Support for ATI Eyefinity groups and the ATI Catalyst™ Control Center profile manager
  - Easy to toggle between cloned and extended desktop modes

### **ATI Catalyst™ support for 3D Stereoscopic glasses**

- AMD has updated its Direct3D (Quad buffer support) driver to enable 3rd party middleware vendors such as iZ3D to output stereo L/R images at 120 Hz (60 Hz per eye)

## **Performance Improvements**

The following performance gains are noticed with this release of Catalyst™ 10.3:

- **3DMark Vantage**
  - Overall scores increase by up to 8% with ATI Radeon HD 5000 graphics products
  - Overall scores increase by up to 4% on ATI Radeon HD 5800 Series products and up to 3% on ATI Radeon HD 5000 Series products
- **Aliens vs. Predator**
  - Overall performance increases 5% on ATI Radeon HD 5000 Series products
- **Battleforge**
  - Improves up to 8% on ATI Radeon HD 5000 Series products
  - Improves up to 3% on ATI Radeon HD 4800 Series products
- **Call of Duty: World at War**
  - Improves up to 2% on ATI Radeon HD 5800 Series products
  - Improves up to 6% on ATI Radeon HD 4800 Series products
- **Company of Heroes**
  - Improves up to 6% on ATI Radeon HD 5000 Series products
  - Improves up to 3% on ATI Radeon HD 4800 Series products
- **Crysis and Crysis Warhead**
  - Improves up to 6% on ATI Radeon HD 5000 Series products
  - Improves up to 2% on ATI Radeon HD 4800 Series products
- **Devil May Cry 4**
  - Improves up to 10% on ATI Radeon HD 5000 Series products
  - Improves up to 6% on ATI Radeon HD 4800 Series products
- **DiRT 2**
  - Improves up to 30% on ATI Radeon HD 5970 graphics products

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- Improves up to 20% on ATI Radeon HD 5800 Series and ATI Radeon HD 5700 Series products
    - Improves up to 10% on ATI Radeon HD 4800 Series products
  - **Enemy Territory: Quake Wars**
    - Improves up to 5% on ATI Radeon HD 5800 Series products
    - Improves up to 3% on ATI Radeon HD 5000 Series products
    - Improves up to 2% on ATI Radeon HD 4800 Series products
  - **Far Cry 2**
    - Improves up to 6% on ATI Radeon HD 5000 Series products
    - Improves up to 4% on ATI Radeon HD 4800 Series products
  - **Left 4 Dead and Left 4 Dead 2**
    - Improves up to 3% on ATI Radeon HD 4800 Series products
  - **S.T.A.L.K.E.R. – Call of Pripyat Benchmark**
    - Improves up to 10% with Anti-Aliasing enabled on ATI Radeon HD 5000 Series products
  - **S.T.A.L.K.E.R. – Clear Sky**
    - Improves up to 2% with ATI Radeon HD 5970 graphics products
    - Improves up to 2% on ATI Radeon HD 5800 Series products
  - **Resident Evil 5**
    - Improves up to 5% on ATI Radeon HD 5000 Series products
    - Improves up to 3% on ATI Radeon HD 4800 Series products
  - **Tom Clancy’s H.A.W.X.**
    - Improves up to 15% with ATI Radeon HD 5970 graphics products
    - Improves up to 20% on ATI Radeon HD 5800 Series products and ATI Radeon HD 5700 Series products
    - Improves up to 3% on ATI Radeon HD 4800 Series products
  - **Unigine Tropics**
    - Improves up to 5% on ATI Radeon HD 5000 Series products
  - **World in Conflict**
    - Improves up to 5% on ATI Radeon HD 5800 Series products
    - Improves up to 3% on ATI Radeon HD 5700 Series products
    - Improves up to 5% on ATI Radeon HD 4800 Series products
  - **Wolfenstein**
    - Improves up to 4% on ATI Radeon HD 5000 Series products
    - Improves up to 4% on ATI Radeon HD 4800 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:

- Canvas area no longer appears black for third display while creating a 3x1 or 1x3 Eyefinity group
- Catalyst Control Center: Avivo Video controls will now retain its value instead of changing to ‘0’ upon being disabled
- Hotplugging a HDMI display while Catalyst Control Center is open no longer causes the HDTV Standard Modes box not to appear

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## 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:

- Flashing no longer visible in "Shattered Horizon" game with CrossFire enabled
- Saturation value for a hotplugged digital display will no longer intermittently be set to '0' by default
- Enabling detail enhancement no longer causes dynamic contrast to stop functioning
- Catalyst Control Center system tray now displays the proper number of physical adapters
- Force EDID override now displays options above 85 Hz
- Resolutions no longer missing in Catalyst Control Center Graphics Desktop Properties with CV connected and displays in extended mode
- Forced anti-alias now functions properly in "The Saboteur" game
- Refresh rate changes no longer revert back to 60 Hz (default) when "Enable GPU Scaling" is enabled under Digital Panel Properties attributes
- "Aliens vs. Predators" game now loads properly when run in DirectX 11 mode on DirectX 9/10 graphics cards
- Mouse cursor no longer disappears on cloned displays after swapping the displays in primary and extended cloned mode
- Displays no longer goes blank on some of the ports after display is hot-unplugged and then hotplugged back
- Media Center no longer displays corruption when viewing DVB-T content
- Forced AF now works properly in "Empire: Total War" and "Napoleon: Total War" games

## 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:

- Sporadic frame drops no longer visible while viewing H.264 interlaced Blu-ray content during fast moving scenes
- Video playback no longer displays checkerboard pattern on background after resume from sleep
- Blank screen no longer observed while exiting "Heaven-OGL" or "GL View" applications
- Tint adjustments in Catalyst Control Center Basic Color now transitions smoothly when adjusted for Blu-ray playback
- Displays no longer go blank when CrossFire is disabled for the first time under specific configurations
- Laser designator beam now focuses on target properly in "Call of Duty: Modern Warfare 2" during Act II: Exodus mission

## 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:



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- Switching resolution options in "AION" game settings no longer causes the display screen to flicker
  - Forward and backward seeking while viewing Hulu video on dailymotion.com with FlashPlayer 10.1 no longer causes the browser to freeze
  - Video cut scenes are now rendering properly in "The Saboteur" game
  - Corruption no longer visible when performing forward/backward video seeking on Hulu with Adobe Flash Player
  - Corruption no longer observed when viewing MPEG2 clips with Windows Media Player

## 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
- [Catalyst Control Center] Changing to deinterlace mode may default to adaptive deinterlace mode instead when playing videos
- Pressing the "Page Down" button while configuring the last display in Eyefinity group may cause the bezel user interface to close instead of switching to the next display
- Desktop mouse cursor may intermittently appear enlarged
- 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:

- Black video may appear on one monitor when switching to clone mode during Blu-ray playback on PowerDVD
- Green video may be visible in the beginning during AVCHD content playback with PowerDVD 9
- Alt-Tabbing to desktop and back into "Mass Effect 2" game may cause the display to go black
- Display may flash black when high settings of 19x12 are applied to in-game settings for "Dawn of War 2"
- Catalyst Control Center might not remember the position of fourth monitor in Eyefinity group
- Video corruption might be visible when watching live HD Jade Channel (Hong Kong) with Windows Media Center
- Changing in-game resolution in "Alien vs. Predator" may result in screen flickering under Multi-GPU configuration; relaunching game will resolve issue
- In-game anti-alias might fail to apply when other in-game options like Volumetric Effects are enabled in "Empire: Total War" and "Napoleon: Total War" games
- Flashing black block corruption may be visible in "Battlefield 2: Bad Company" on some ASICs

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- Intermittent flickering and flashing textures may be visible in "Battlefield 2: Bad Company" on some ASICs
  - In-game V-sync option might not function in "Battlefield 2: Bad Company" until resolution/refresh rate mode change

## 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:

- "1776x1000" and "1152 x 648" HDTV resolutions might be missing from the Desktop Area for Catalyst Control Center - Desktop Properties
- With one of displays connected via the DisplayPort, PowerDVD may terminate during Blu-ray content playback in Eyefinity mode
- Audio playback devices may list "ATI DP Output" instead of "ATI HDMI Output" when a HDMI display is connected
- Display may flash black when high settings of 19x12 are applied to in-game settings for "Dawn of War 2"
- Corruption may be visible during fullscreen playback with Flash Player 10.1 on some ASICs
- Changing in-game resolution in "Alien vs. Predator" may result in screen flickering under Multi-GPU configuration; relaunching game will resolve issue

## 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:

- Corruption may be visible during fullscreen playback with Flash Player 10.1 on some ASICs
- 75 Hz refresh rate might fail to apply with GPU Scaling enabled in digital panel properties

## 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](#).