Catalyst™ Software Suite Version 8.2 Release Notes

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

This release note provides information on the following:

- *Web Content*
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Web Content

The Catalyst™ software suite 8.2 contains the following:

- Radeon™ display driver 8.453
- Multimedia Center™ 9.16 (Windows XP only)
- HydraVision™ (Windows XP only)
- HydraVision™ Basic Edition (Windows XP only)
- Remote Wonder 3.04 (Windows XP only)
- WDM Driver Install Bundle
- Southbridge/IXP Driver
- Catalyst™ Control Center Version 8.2

Caution: The Catalyst™ software driver and the 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 Catalyst™ release

Caution: The Catalyst™ Control Center requires that the Microsoft .NET Framework version 2.0 be installed. Without .NET version 2.0 installed, the Catalyst™ Control Center will not launch properly and the user will see an error message.

Note: These release notes provide information on the 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: *https://support.ati.com/*

AMD Product Support

The Catalyst™ Vista driver for both the 32bit and 64bit versions of the Microsoft Windows Vista operating system is supported on the following ATI Radeon™ products.

AMD Desktop Product Family Support for both Windows Vista and XP

AMD Desktop Product Family Support	
ATI Radeon™ HD 3800 series	ATI Radeon™ X1050 series
ATI Radeon™ HD 3600 series	ATI Radeon™ X850 series
ATI Radeon™ HD 3400 series	ATI Radeon™ X800 series
ATI Radeon™ HD 2900 series	ATI Radeon™ X700 series

AMD Desktop Product Family Support for both Windows Vista and XP

AMD Desktop Product Family Support	
ATI Radeon™ HD 2600 series	ATI Radeon™ X600 series
ATI Radeon™ HD 2400 series	ATI Radeon™ X550 series
ATI Radeon™ X1950 series	ATI Radeon™ X300 series
ATI Radeon™ X1900 series	ATI Radeon™ 9800 series
ATI Radeon™ X1800 series	ATI Radeon™ 9700 series
ATI Radeon™ X1650 series	ATI Radeon™ 9600 series
ATI Radeon™ X1600 series	ATI Radeon™ 9550 series
ATI Radeon™ X1550 series	ATI Radeon™ 9500 series
ATI Radeon™ X1300 series	

AMD Multimedia Family Product Support for both Windows Vista and XP

AMD Multimedia Family Product Support	
ATI All-in-Wonder™ X1900 Series	ATI Theater 600™
ATI All-in-Wonder™ X1800 Series	ATI All-in-Wonder™ X600 Series
ATI All-in-Wonder™ 2006 Edition	ATI Theater™ 550 PRO
ATI All-in-Wonder™ X800 Series	ATI All-in-Wonder™ 9800 Series
ATI Theater 650™	ATI All-in-Wonder™ 9600 Series

Note: ATI All-in-Wonder™ boards operate with AMD's Windows Vista ready display and capture drivers under the Windows Vista operating system. However, the Windows Vista Media Center application does not support TV/Capture functionality provided by the ATI All-in-Wonder™. TV/Capture functionality is qualified to function with Snaptream's BeyondTV 4.6 for Windows Vista. Other third party solutions (such as Arcsoft's Total Media 3) may support TV/Capture with the ATI All-in-Wonder™, but these applications have not been fully tested by AMD.

AMD Chipset Product Support

AMD Chipset Product Support	
ATI Radeon™ Xpress 1250 Series	ATI Radeon™ Xpress 1150 Series
ATI Radeon™ X1250 Series	ATI Radeon™ Xpress 1100 Series
ATI Radeon™ X1200 Series	ATI Radeon™ Xpress 200 Series
AMD 580X Series Chipset	AMD 690 Series Chipset

Operating systems supported

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

- Windows Vista (32 and 64 bit versions)
- Windows XP Professional
- Windows XP Home Edition
- Windows XP Media Center Edition
- Windows XP Professional x64 Edition

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

Caution: Once the driver installation is completed under the Vista operating system (32 and 64 bit), the driver log file may report that the ATI T200 Unified AVStream Driver failed to install. A reboot of the operating system resolves the issue.

Performance Improvements

Performance improvements with this release of Catalyst™ includes Company of Heroes DX10 frame rates increasing as much as 20% across all of the ATI Radeon™ HD 2x00 series of products and on all ATI Radeon™ HD 3x00 series of products. These performance improvements are even larger (up to 30%) for CrossFire™ configurations.

ATI's Folding@Home

Folding@Home is a distributed computing project designed by the Stanford University. The application performs intensive simulations of protein folding. This simulation will help researchers uncover how certain diseases develop. Folding@Home uses distributed computing to simulate protein folding, the workload

is broken up into small work units and distributed across hundreds of thousands of computers over the internet. You can help find the cure to many different diseases! To join Folding@Home, follow these steps:

1 Download ATI's *Catalyst™ software suite*

2 Download the Folding@Home *GPU client application*

Note: If you have an ATI Radeon™ X1600, X1800, or X1900 series of product, download the GPU client (either console or GUI version) not to be confused with the CPU "Graphical client".
If you do not have an ATI Radeon™ product listed above, then download the CPU client.

3 Enter the ATI team number 51394 and start folding!

For more information on Folding@Home visit: *http://ati.amd.com/technology/streamcomputing/folding.html*

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:

- **Enemy Territory: Quake Wars**: Corruption is no longer noticed when editing levels. Further details can be found in topic number 737-32141
- **World of Warcraft**: Flickering and missing objects are no longer noticed when playing the game in OpenGL mode. Further details can be found in topic number 737-32140
- .NET Framework an Unhandled Exception error no longer occurs when upon booting or re-booting the system. Further details can be found in topic number 737-32115
- A white dot no longer appears on the windows desktop when launching the Catalyst Control Center. However, this issue may still be experienced under the Windows XP operating system. Further details can be found in topic number 737-31715
- Audio stutter is no longer noticed when using the HDMI connector. Further details can be found in topic number 737-32118
- Running the Spanish version of the Windows operating system no longer results in the Catalyst Control Center option failing to be available when right-clicking the Windows desktop menu bar. Further details can be found in topic number 737-32125
- The Catalyst Control Center options are no longer missing for the secondary extended display when hot unplugging and hot plugging the display device. Further details can be found in topic number 737-32126
- Native CrossFire™ can now be enabled when the primary display device is connected to the master card using a CV or TV. Further details can be found in topic number 737-32131

- Enabling clone mode on a system containing an ATI Radeon™ X1200/1250/1270 series of product no longer results in the resolution and color depth changing to 640x480 8bpp. Further details can be found in topic number 737-32132
- Playing DVD content using the Windows Media Player no longer results in the playback being choppy. Further details can be found in topic number 737-32136
- Hot plugging and hot-unplugging an HDMI display device multiple times during one windows session may result in the display device failing to be detected. Further details can be found in topic number 737-32137
- Enabling CrossFire™ on a system containing an ATI Radeon™ X1950 series of product no longer results in the Windows Vista operating system intermittently failing to respond. Further details can be found in topic number 737-32138
- The lower portion of the Catalyst Control Center is no longer cropped when changing the display resolution from 640x480 to 1920x1200. Further details can be found in topic number 737-32139
- An error message is no longer displayed when attempting to set both the primary (HDMI) display device and secondary (DVI) display device to a display resolution of 1280x1024. Further details can be found in topic number 737-32142
- The Windows XP Professional x64 Edition operating system no longer reboots when installing the T200 driver. Further details can be found in topic number 737-32143
- Setting the DPI to 120 in the Display Properties no longer results in the combo box being cut-off. Further details can be found in topic number 737-32144
- The antenna signal strength is no longer reported by Vista Media Center as low. Further details can be found in topic number 737-32145
- A black line is no longer noticed when using VIVO for capturing and using Radeon™ HD 2900. Further details can be found in topic number 737-32146
- The PAL-N video captured from the ATI Radeon™ HD2900 no longer displays colors and with vertical bars. Further details can be found in topic number 737-32147
- The T200 NTSC capture card no longer fails to capture the Closed Captioning signal. Further details can be found in topic number 737-32148
- A Reduce DVI frequency on high-resolution displays option no longer appears when an HDMI display device is connected using an HDMI-DVI cable. Further details can be found in topic number 737-32149

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:

- **Doom3**: Running an OpenGL application with CrossFire™ enabled and AA set to 16x no longer results in corruption being noticed when the display resolution is set to 2048x1536 or higher. Further details can be found in topic number 737-32150
- **TianXia2**: Launching the game no longer results in the Windows XP operating system rebooting. Further details can be found in topic number 737-32152
- Playing an H.264/VC1 title on a system with a display resolution higher than 1440x900 no longer results in the content failing to play in hardware mode. Further details can be found in topic number 737-32154
- Changing the display resolution when CrossFire™ is enabled no longer results in the running 3D application failing to respond. Further details can be found in topic number 737-32155

Known Issues Under the Windows Vista Operating System

This section provides information on known issues associated with the ATI Catalyst™. These include:

- **Lost Planet**: Setting AA to either 4x or 8x may result in the game failing to respond. Further details can be found in topic number 737-28492
- **Oblivion**: Flickering is no longer noticed when first making a move if the in-game settings are set to maximum, CrossFire™ is enabled and AF is set to 16x. Further details can be found in topic number 737-31581
- **Unreal Tournament 3**: The game may intermittently fail to launch when a map has texture detail set to maximum. Further details can be found in topic number 737-31189
- Rebooting the operating system after changing the skin to any available option other than system skin may result in the Catalyst™ Control Center menu options no longer being visible. Further details can be found in topic number 737-30569
- The Catalyst™ Control Center menu option may fail to function when changing the skin from system skin to any other available skin. Further details can be found in topic number 737-30570
- Installing the WDM driver on systems containing an ATI TV Tuner product and an ATI graphics adapter may result in the WDM driver failing to install. Further details can be found in topic number 737-30571
- Connecting a secondary display device using the HDMI connector and enabling either clone mode or extended desktop mode may result in the WinDVD 7 player playing in a windowed mode on both display devices when Overlay Theater Mode is enabled. Further details can be found in topic number 737-30579
- The Windows Vista operating system may fail to respond when running the Auto-tune utility found in the Catalyst™ Control Center OverDrive™ option. Further details can be found in topic number 737-30584

- Using the hot-key function to switch between various display scenarios may result in the HDMI display device displaying a blank screen. Further details can be found in topic number 737-31145
- The secondary HDMI Display may turn off when resuming from an S1 hibernation with an HDMI display connected. Further details can be found in topic number 737-31146
- Resuming from hibernation mode with HDMI display connected may result in a black screen with only a mouse cursor being displayed. Further details can be found in topic number 737-31149
- Setting the desktop resolution to 1600x1200 or greater may result in green pixel corruption being noticed when playing certain games. This issue maybe noticed when using a system running Windows Vista and containing an ATI Radeon™ HD 2600 or HD 2400 series of product. Further details can be found in topic number 737-31150
- Attempting to play the HD-DVD title Harsh Times, School for Scoundrels using the Cyberlink player may result in block corruption being noticed. Further details can be found in topic number 737-31155
- The OverDrive™ page may be grayed out and the GPU and memory clocks as may be displayed as 000 after enabling CrossFire™ on systems containing and ATI Radeon™ X1900 CrossFire™ Edition and running Windows Vista (64 bit version). Further details can be found in topic number 737-31586
- Enabling CrossFire™ on a system containing an ATI Radeon™ X1900 CrossFire™ Edition product may result in the Windows Vista (64 bit version) failing. Further details can be found in topic number 737-31163
- An error message may appear when installing the display driver package through setup.exe. Further details can be found in topic number 737-31577
- Using the pound key (#) as the first character in the user name may result in an error when installing the Catalyst Control Center. Further details can be found in topic number 737-31578
- The OverDrive™ page may be missing in the Catalyst Control Center after disabling CrossFire™ support. Further details can be found in topic number 737-31579
- The color depth may change to 8 bpp when enabling or disabling CrossFire™ for the first time. Further details can be found in topic number 737-31580
- Display corruption may be noticed when enabling CrossFire™ on a system containing an ATI Radeon™ X1900/1950 series of product when the display resolution is set to 1600x1200 70Hz and running a 3D application in full screen mode. Further details can be found in topic number 737-31582
- Hot-plugging an HDMI display device may result in the display device failing to be detected on systems containing an ATI Radeon™ HD 2400 series of product and running Windows Vista. Further details can be found in topic number 737-31583
- Enabling extended desktop mode and setting the display resolution to 1280x800 or higher, followed by playing an HD-DVD using PowerDVD, may results in the HD-DVD title failing to play. Further details can be found in topic number 737-31584

- Dragging player window to secondary display while playing back HD content and moving it back to primary may result in blank player window. Further details can be found in topic number 737-31585
- The OverDrive™ page may be grayed out and the GPU and memory clocks as may be displayed as 000 after enabling CrossFire™ on systems containing and ATI Radeon™ X1900 CrossFire™ Edition and running Windows Vista (64 bit version). Further details can be found in topic number 737-31586

Known Issues Under the Windows XP Operating System

The following section provides a summary of open issues in the latest version of Catalyst™. These include:

- After installing the graphics driver an error message may be displayed when attempting to launch DirectX based games when using an ATI AGP product. Further details can be found in topic number 737-31625
- **Call of Juarez**: Setting the game level with Optimal Quality and high in-game settings may result in the game level being blank. Further details can be found in topic number 737-30591
- **Enemy Territory**: Quake Wars may have corruption on the water and sky after increasing the game resolution. Restarting the game at that higher resolution or issuing reloadImages command in the game console corrects the corruption. This issue only impacts graphics cards up to the ATI Radeon™ X850. Further details can be found in topic number 737-29947
- **Lost Planet**: Setting AA to either 4x or 8x may intermittently result in the game failing to respond. Further details can be found in topic number 737-28492
- **STALKER**: Shadows may not be rendered properly when CrossFire™ is enabled along with AA being enabled at 4x and Full Dynamic Lighting also being enabled. Further details can be found in topic number 737-31597
- Connecting a CRT display device as the secondary display and playing a Blu-ray DVD using a Cyberlink player may result in no video playback if extended desktop mode is enabled. Further details can be found in topic number 737-30587
- Connecting a Dual Link Panel to the on-board DVI port, followed by hot plugging a DVI display to the add-on DVI card may result in clone mode becoming disabled when rebooting the machine and the secondary display device remaining blank. Further details can be found in topic number 737-31166
- The Catalyst Control Center menu option may fail to function when changing the skin from system skin to any other available skin. Further details can be found in topic number 737-30570
- Setting the display resolution to 1440x900 or lower may result in corruption being noticed when playing a DVD title. Further details can be found in topic number 737-31168

- Setting the desktop resolution to 1280x1024 and using PowerDVD to play an HD-DVD or Blu-ray title may result in corruption being noticed when using an ATI Radeon™ HD 2400 series of product. Further details can be found in topic number 737-31171
- On certain products, changing display resolution while playing back High Definition content may results in instability. It is recommended to set appropriate resolution while playback is stopped. Further details can be found in topic number 737-31172
- Cyberlink: Playing a DVD title on a system containing an ATI Radeon™ HD 2400 series may result in corruption being noticed. Further details can be found in topic number 737-31173
- Connecting a CRT display device as the secondary display and playing a Blu-ray DVD using a Cyberlink player may result in no video playback if extended desktop mode is enabled. Further details can be found in topic number 737-30587
- The floppy drive may fail to read or write under Vista on a Dell XPS410 system. Further details can be found in topic number 737-31148

Known Issues Under the Windows XP Professional x64 Edition

The following section provides a summary of open issues in the latest version of Catalyst™. These include:

- **World in Conflict**: Text corruption may be noticed when playing the game on a system running Windows XP Professional x64 Edition and containing an ATI Radeon™ HD 30 series of product. Further details can be found in topic number 737-31619
- Running an OpenGL application and attempting to rotate the desktop may result in corruption being noticed. Further details can be found in topic number 737-29556
- Hot plugging a display device to a system running Windows XP Professional x64 Edition and containing an ATI Radeon™ X1250/1270 series of product may result in the display device failing to be detected. Further details can be found in topic number 737-31618
- Standard PAL mode may fail to be available in the Catalyst Control Center. Further details can be found in topic number 737-31620

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

Installing the Catalyst™ Vista Software Driver

Installation information can be found at: *ati.amd.com*

AMD Customer Care

The AMD Customer Care website provides a high level of technical support and ease of navigation. The AMD Customer Care website provides accurate and up-to-date product support for optimum usability and performance. Technical issues are categorized and personalized to enhance user experience. The AMD Customer Care Website can be found at: *support.ati.com*

To view a known issue or find troubleshooting information, do the following:

1. Go to ati.amd.com. The AMD home page is displayed.
2. Click on Support & Drivers. The AMD Support and Drivers web page is displayed.
3. In the left hand pane, select Graphics Support.
4. In the top right corner of the Graphics Support page, enter the topic number or a general description of the issue you are experiencing within the search field.
5. In the Select Site field, select ATI.
6. Click the SEARCH symbol.
   The information requested (if available) is displayed.

Catalyst™ Crew Driver Feedback

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