

Radeon* Software Adrenalin 2019 Edition

18.12.2 Release Notes

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Radeon Software Adrenalin 2019 Edition 18.12.2 Highlights

Support For

- Assassin's Creed*: Odyssey
- Shadow of the Tomb Raider*
- DOOM*
- Wolfenstein* II: The New Colossus
- Strange Brigade*

New Features

- Radeon ReLive ⁽¹⁾
 - In-Game Replay feature that allows you to replay your gaming moments instantly on screen.
 - Scene Editor allows creation and editing of scenes for recording or streaming with transitioning options via hotkeys or Radeon Overlay.
 - GIF Support allows creation of GIFs via hotkey or Radeon Overlay.
 - Added platform connection support for Restream.io, Streamable and Gfycat.
 - Multi-channel audio support and 16:9 streaming support.
- Radeon ReLive for VR ⁽²⁾
 - Bringing ultra-high PC quality VR experiences to standalone VR devices with low-level hardware acceleration optimized for streaming and recording.
 - Streaming enabled via Steam*, the Steam*VR ecosystem and available through the Radeon ReLive VR app.
- Radeon Overlay ⁽³⁾
 - Enhanced Sync controls available in display tab with per game real-time adjustment.
 - Radeon FreeSync controls now found in display tab.
 - Per-game color controls now available in display tab.
 - Radeon WattMan is now supported in Radeon Overlay allowing for in-game power and performance optimizations.
 - Performance Metrics Overlay now supports visual customization with adjustable colors, columns, position, transparency and size.
 - Performance Metrics Overlay now supports a lower sample interval and frame-time measurement logging.
- Radeon Game Advisor ⁽⁴⁾
 - Measures game performance and generates a detailed report with suggestions to improve performance or increase image quality. Available through Radeon Overlay.
- Radeon Settings Advisor ⁽⁴⁾

- Scans your system's capabilities and provides optimization suggestions in just a few simple clicks. Available through Radeon Settings.
- Radeon Upgrade Advisor ⁽⁵⁾
 - Analyzes your PC for minimum and recommended game compatibility specifications with clear compatibility indicators in Game Explorer. Available through Radeon Settings.
- Radeon WattMan ⁽⁶⁾
 - One click tuning with Auto Overclock GPU, Auto Overclock Memory and Auto Undervolt GPU.
 - Change fan speed with temperature dependent fan curves and Zero RPM fan control.
 - Unlocked Radeon RX Vega series DPM states for finer power adjustments.
 - Targeted optimization of memory bound applications with new memory tuning feature.
- Radeon Chill ⁽⁷⁾
 - Improved Radeon Chill efficiency allows increased power savings.
- Radeon FreeSync 2 ⁽⁸⁾
 - Improved Radeon FreeSync 2 with auto-tone mapping for a more detailed experience in HDR 10 supported games.
- Virtual Super Resolution ⁽⁹⁾
 - Now supports ultra-wide 21:9 displays.
- Radeon Installer ⁽¹⁰⁾
 - A new one-click express install option is now available with installation progress and percentage indicators.

Added Vulkan™ Support

- VK_EXT_inline_uniform_block
 - This extension introduces the ability to back uniform blocks directly with descriptor sets by storing inline uniform data within descriptor pool storage.
- VK_KHR_swapchain_mutable_format
 - This extension enables processing of swapchain images as different formats to that used by the window system, which is particularly useful for switching between sRGB and linear RGB formats.
- VK_EXT_scalar_block_layout
 - This extension enables C-like structure layout for uniform and storage buffers, allowing non-scalar types to be aligned solely based on the size of their components.
- Sparse Support is Enabled
 - Sparse support relaxes the requirement to have memory allocated and bound to resources prior to being used. It also relaxes the requirement for the bound memory to be contiguous and for the memory bindings to be immutable.

Fixed Issues

- Radeon Settings EULA screen may appear every time a reboot occurs.
- Google Earth VR fails to load or may not launch.
- Assassin's Creed*: Odyssey may experience a black screen when going into action phases of the game.

- Assassin's Creed*: Odyssey may experience a game crash or TDR in some locations of the game like performing a leap of faith or deep-diving into water.
- Forza Horizon 3* may experience a game crash on launch.
- Call of Duty*: Black Ops 4 may experience a crash on launch on AMD Ryzen desktop processors with Radeon Vega Graphics.
- A limited number of users may experience a black screen or signal loss when watching YouTube* videos in full screen mode on Chrome browser.
- Battlefield* 1 may experience flickering when looking at water textures.
- Strange Brigade* may experience stuttering when the game is set to run in windowed mode using the Vulkan* API.
- Radeon Overlay may fail to invoke when playing Kingdom Come Deliverance*.
- Eyefinity advanced setup options may sometimes not appear in Radeon Settings after a driver upgrade.

Known Issues

- This release is not compatible with Microsoft* PIX. For Microsoft* PIX support with Radeon Software Adrenalin 2019 Edition please click [here](#).
- Some systems running multiple displays may experience mouse lag when at least one display is enabled but powered off.
- Uninstalling Radeon Software may fail to remove Radeon Settings.
- Upgrade Advisor may intermittently fail to detect games and provide compatibility recommendations.
- Performance Metrics Overlay may change size when resolutions are changed in game.
- Radeon Overlay's new in overlay video player may experience smoothness issues while adjusting the playback slider.
- Scene Editor may have issues with scrolling when many elements are added to a scene.
- Custom settings in Radeon WattMan may sometimes fail to apply on Radeon RX Vega series graphics products.
- Auto tuning control options fail to present the starting notification before applying in Radeon Overlay.
- Auto tuning may experience inconsistent behavior after applying Auto Overclock GPU and restarting/rebooting the system.

Footnotes

- (1) Compatible with: AMD Radeon™ GCN dGPU Products. Supports: Windows® 7/10. Use of third party marks / products is for informational purposes only and no endorsement of or by AMD is intended or implied.
- (2) PC game compatibility depends on headset capability. Please see www.AMD.com/ReLive. Requires HTC Vive Focus, Oculus Go or phone and headset which supports Samsung Gear VR (Android 6.0) or Google Daydream (Android 7.0). For VR connectivity, an 802.11ac router or access point is required. Compatible with: AMD Radeon™ RX 470, RX 570, RX 480, RX 580, RX 590 & RX Vega series products. Supports: Windows® 10. Recommended experience on Radeon™ RX Vega series graphics cards.
- (3) Compatible with: AMD Radeon™ GCN dGPU Products. Supports: Windows® 7/10. Overclocking AMD processors, including without limitation, altering clock frequencies /

multipliers or memory timing / voltage, to operate beyond their stock specifications will void any applicable AMD product warranty, even when such overclocking is enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability.

- (4) Compatible with: AMD Radeon™ GCN dGPU Products. Supports: Windows® 7/10.
- (5) Compatible with: AMD Radeon™ GCN dGPU Products. Supports: Windows® 7/10 and for Steam® purchased titles
- (6) Auto-GPU, Memory Overclock & Auto-GPU Undervolt compatible with: AMD Radeon™ RX Vega dGPU Series Products. Supports: Windows® 7/10. Fan Curve, Zero RPM & Memory Tuning compatible with: AMD RX Series dGPU Products. Supports: Windows® 7/10. Unlocked Radeon™ RX Vega Series DPM States compatible with: AMD Radeon™ RX Vega dGPU Series Products. Supports: Windows® 7/10. Overclocking AMD processors, including without limitation, altering clock frequencies / multipliers or memory timing / voltage, to operate beyond their stock specifications will void any applicable AMD product warranty, even when such overclocking is enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability.
- (7) Power improvements compatible with: AMD Radeon™ RX series dGPU Products. Supports: Windows® 7/10
- (8) Compatible with: AMD Radeon™ RX Series dGPU Products. Supports: Windows® 10. FreeSync 2 HDR does not require HDR capable monitors; driver can set monitor in native mode when FreeSync 2 HDR supported HDR content is detected. Otherwise, HDR content requires that the system be configured with a fully HDR-ready content chain, including: graphics card, graphics driver and application. Video content must be graded in HDR and viewed with an HDR-ready player. Windowed mode content requires operating system support.
- (9) Compatible with: AMD Radeon™ RX Series dGPU Products. Supports: Windows® 7/10.
- (10) Compatible with: AMD Radeon™ GCN Products. Supports: Windows® 7/10.

Package Contents

The Radeon Software Adrenalin 2019 Edition 18.12.2 installation package contains the following:

- Radeon Software Adrenalin 2019 Edition 18.12.2 Driver Version 18.50.02 (Windows Driver Store Version 25.20.15002.58)

8th Gen Intel® Core™ processors with Radeon* Vega M graphics installation package can be downloaded from downloadcenter.intel.com

By clicking the Download button, you are confirming that you have read and agreed to be bound by the terms and conditions of the End User License Agreement (“EULA”). If you do not agree to the terms and conditions of these licenses, you do not have a license to any of the AMD software provided by this download.

Installing Software

For detailed instructions on how to correctly uninstall or install Radeon* Software Adrenalin Edition, please refer to the following support resources:

- [How-To Uninstall Radeon Software Adrenalin Edition on a Windows® Based System](#)
- [How-To Install Radeon Software Adrenalin Edition on a Windows® Based System](#)

NOTE:

This driver is intended for use on Radeon* RX Vega M graphics products running a Windows* operating system.

When installing Radeon* Software Adrenalin 2019 Edition 18.12.2 for the Windows* operating system, the user must be logged on as Administrator, or have Administrator rights to complete the installation of Radeon* Software Adrenalin Edition 18.12.2.

Compatibility

Radeon Software Adrenalin Edition 18.12.2 is a notebook reference graphics driver with limited support for system vendor specific features.

Radeon Mobility Product Family Compatibility	
Radeon™ RX Vega M GL Graphics	Radeon™ RX Vega M GH Graphics

Compatible Operating Systems

Radeon* Software Adrenalin Edition 18.12.2 is designed to support the following Microsoft* Windows* platforms. Operating System support may vary depending on your specific Radeon* product.

- Windows* 10 (64-bit version only)

Intel Issue Reporting Form

We continuously strive to improve the quality of our products to better serve our users and appreciate [feedback](#) on any issues you discover and suggestions for future driver releases. If you have an issue to submit, *please follow the guidance found here* [Default level information for reporting Graphics issues](#).

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