

Release Notes



DRIVER VERSION: 30.0.100.9862

DATE: August 20, 2021 BETA

BETA releases are for targeted testing of the changes indicated in the Release Notes. For the most stable experience please use the fully validated production releases [here](#) that include the full measure of qualified fixes and features.

GAMING HIGHLIGHTS^{*1}:

- Support for **Psychonauts 2***

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DEVELOPER HIGHLIGHTS:

- Windows Subsystem for Linux (WSL)^{*7} GPU support for Microsoft Windows® 10 64-bit May 2020 Update (2004) and above on 8th Generation Intel® Core™ processors and higher.

KEY ISSUES FIXED:

- Intermittent crash or hang seen in **Ark: Survival Evolved*** (when starting single player game), **Doom Eternal*** (Vulkan) at ultra-settings.
- Minor graphic anomalies seen in **Assassin's Creed Odyssey*** (DX11) while running benchmark, **Deus Ex Mankind Divided*** (DX12), **Horizon Zero Dawn*** (DX12).
- Minor graphic anomalies seen in **Forza Horizon 4*** (DX12), **Serious Sam 4*** (Vulkan) on Intel® Iris® Xe discrete graphics.
- Intermittent crash or hang seen in **Call of Duty: WarZone***(DX12), **Death Stranding*** (DX12) (on ALT +TAB), on Intel® Iris® Xe discrete graphics.

^{*2} Are you still experiencing an error preventing the driver update? Look here for [why and a solution](#).

KNOWN ISSUES:

- Intermittent crash or hang may be seen in Breathedge*, Burnout Paradise Remastered*, Call of Duty: Black Ops Cold War* (DX12), Detroit: Become Human* (Vulkan), Metro Exodus* (DX12) (when changing graphics settings), Moonlight Blade* (DX12), NBA 2K21* (DX12) (when switching resolution from 1920 x 1080 to 1600 x 900 and 1280 x 720), Necromunda: Hired gun* (DX12) (Shadow option other than low), Rage 2* (Vulkan) (after ALT + TAB), Red Dead Redemption 2* (DX12) benchmark, Redout: Enhanced Edition* (online mode), Resident Evil Village* (DX12), Spyro: Reignited Trilogy*, The Dark Pictures: Man of Medan* (online mode), Vendetta Online* (Vulkan).
- Minor graphic anomalies may be observed in Adobe Premiere Pro 2020* while playing video, Assassin's Creed Valhalla* (DX12), Call of the Sea*, Crysis Remastered, Cyberpunk 2077* (DX12), Dark Souls 3, Death Stranding* (DX12), Elex*, Gears of War Ultimate Edition* (DX12), Hitman 2* (DX12), Just Cause 4*, Microsoft Flight Simulator*, Monster Jam Steel Titans 2*, Red Dead Redemption 2* (DX12), Tom Clancy's Ghost Recon Breakpoint*, Wolfenstein: Youngblood* (Vulkan).
- Assassin's Creed Valhalla* (DX12) may run at low frame rate.
- Variable Refresh Rate may not be enabled in Watch Dogs Legion* (DX12).
- Thunderbolt display may not turn on after HDR is enabled for built-in display.
- Intel® Iris® X^e Discrete graphics: Intermittent crash or hang may be seen in Apex Legends* (DX12), Conan Exiles* (Low End Laptop Mode" in game settings), CS:GO* (when toggling between full screen and windowed), Forza Motorsport 6* (DX12), Rage 2* (Vulkan) (when entering main menu), Sid Meier's Civilization VI* (during ALT+ENTER), SMITE* (on hot plug or unplug of external display) and The Sims 4* (hot plug or unplug of external display), Valorant*, Warframe* (DX12).
- Intel® Iris® X^e Discrete graphics: Crash or hang may be seen when launching Batman: Arkham City*, Metro Exodus* (DX12), Outriders* (DX12), Star Wars: Squadrons*.
- Intel® Iris® X^e Discrete graphics: Minor graphic anomalies may be observed in Code Vein*, Doom Eternal* (Vulkan), Euro Truck Simulator 2*, GRID 2019* (DX12), Marvel's Avengers (DX12), Metro Exodus* (DX12), Rocket League* (when CMAA Enabled).

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver 10.26.0.10 (6th Gen and related Pentium Silver and Celeron processors)
- Intel® Display Audio Driver 10.27.0.10 (7th, 8th, 9th, 10th Gen Intel® Core™ processors)
- Intel® Display Audio Driver 11.1.0.18 (10th Gen Intel® Core™ processors with Iris Plus Graphics)
- Intel® Display Audio Driver 11.2.0.8 (Intel® Core™ Processors with Intel® Hybrid Technology)
- Intel® Display Audio Driver 12.1.0.6 (Intel® Iris® X^e Discrete Graphics)
- Intel® Media SDK Runtime (21.0.1.35)
- Intel® oneVPL⁶ GPU Runtime (21.0.2.4)
- Intel® Graphics Compute Runtime for OpenCL* Driver
- Intel® Graphics Command Center (installed via Microsoft* Store)
- Vulkan*³ Runtime Installer
- Intel® Graphics Driver Installer (1.0.496)
- OneAPI Level Zero Loader and Validation Layer
- Intel® Graphics Compute Runtime for OneAPI Level Zero specification

OPERATING SYSTEM SUPPORT:

Intel Graphics ¹	Microsoft Windows [®] 11	Microsoft Windows [®] 10 64-bit October 2020 Update (20H2)	Microsoft Windows [®] 10 64-bit May 2020 Update (2004)	Microsoft Windows [®] 10 64-bit November 2019 Update (1909)	Microsoft Windows [®] 10 64-bit May 2019 Update (1903)	Microsoft Windows [®] 10 64-bit October 2018 Update (1809)
11th Generation Intel [®] Core [™] H-Series mobile Processors with Intel [®] Iris [®] X ^e graphics (Codename Tiger Lake - H)	X	X	-	-	-	-
11th Generation Intel [®] Core [™] Processors with Intel [®] UHD graphics (Codename Rocket Lake)	X	X	-	-	-	-
Intel [®] Iris [®] X ^e Discrete Graphics (Codename DG1)	X	X	X	X	-	-
Intel [®] Pentium [®] Processor family and Intel [®] Celeron [®] Processor family (Codename Jasper Lake)	X	X	X	X	-	-
11th Generation Intel [®] Core [™] Processors with Intel [®] Iris [®] X ^e graphics (Codename Tiger Lake)	X	X	X	X	-	-
Intel [®] Core [™] Processor with Intel [®] Hybrid Technology (Codename Lakefield)	X	X	X	X	-	-
Intel [®] Atom [®] , Pentium [®] and Celeron [®] processor family (Codename Elkhart Lake)	X	X	X	X	X	X
10th Generation Intel [®] Core [™] processors with Intel Iris Plus graphics (Codename Ice Lake)	X	X	X	X	X	-
10th Generation Intel [®] Core [™] processors with Intel UHD Graphics (Codename Comet Lake)	X	X	X	X	X	-
9th Generation Intel [®] Core [™] processors, related Pentium [®] /Celeron [®] processors, and Intel Xeon [®] processors, with Intel UHD Graphics 630 (Codename Coffee Lake-R)	X	X	X	X	X	-
8th Generation Intel [®] Core [™] processors, related Pentium/ Celeron processors, and Intel Xeon processors, with Intel Iris Plus Graphics 655 and Intel UHD Graphics 610, 620, 630, P630 (Codename Kaby Lake-R, Coffee Lake)	X	X	X	X	X	-
7th Generation Intel [®] Core [™] processors, related Pentium/ Celeron processors, and Intel Xeon processors, with Intel Iris Plus Graphics 640, 650 and Intel HD Graphics 610, 615, 620, 630, P630 (Codename Kaby Lake)	-	X	X	X	X	-
6th Generation Intel [®] Core [™] , Intel Core [™] M, and related Pentium [®] processors with Intel [®] Iris [™] Graphics 540, Intel [®] Iris [™] Graphics 550, Intel [®] Iris [™] Pro Graphics 580, and Intel [®] HD Graphics 510, 515, 520, 530 (Codename Skylake)	-	X	X	X	X	-

SUPPORTED APIS:

Intel Graphics ¹	DirectX* ⁴	OpenGL*	OpenCL*	One API Level Zero	Vulkan*
Intel Iris X ^e Discrete Graphics family and 11 th Generation Intel Core processors with Intel [®] Iris [®] X ^e Graphics:	12	4.6	3.0	1.1 ⁵	1.2
10 th Generation Intel Core processors, 9 th Generation Intel Core processors, 8 th Generation Intel Core processors, 7 th Generation Intel Core processors and related Intel Xeon/ Pentium/Celeron processors:	12	4.6	3.0	1.1 ⁵	1.2
6 th Generation Intel [®] Core™ processors:	12	4.6	3.0	1.1 ⁵	1.2
Pentium [®] and Celeron [®] Processors with Intel [®] HD Graphics 500/505, Pentium and Celeron processors with Intel UHD Graphics 600/605:	12	4.6	3.0	-	1.2

If you are uncertain of which Intel processor is in your computer, Intel recommends using the [Intel Processor Identification Utility](#) or [Intel Driver & Support Assistant](#) to identify your Intel processor.

Be sure to check out gameplay.intel.com, where you'll find recommended in-game settings for your Intel Graphics system for many more of your favorite games.

Note:

1. Intel Labs conducts independent testing of supported titles on Intel platforms to ensure playability. Please refer to publisher system requirements to ensure compatibility with your system.
2. Graphics Driver Smart Installer Enhancement allows end-users to upgrade systems with OEM DCH drivers to newer Intel generic DCH drivers. OEM customizations are preserved during this upgrade process, in accordance with Microsoft* DCH driver design principles (refer to Microsoft documentation, "Extension INF Publishing Whitepaper" to learn more). The installer will continue to restrict OEM non-DCH to Intel Generic non-DCH upgrades as well as OEM non-DCH to Intel Generic DCH driver upgrades. End-users will continue to be referred to OEM websites. WARNING: Installing this Intel generic graphics driver will overwrite your Computer Manufacturer (OEM) customized driver. OEM drivers are handpicked, customized, and validated to resolve platform-specific issues, enable features and enhancements, and improve system stability. The generic driver's intention is to temporarily test new features, game enhancements, or check if an issue is resolved. Once testing is complete Intel advises reinstalling the OEM driver until they validate it and release their own version. Any graphics issues found using Intel generic graphics drivers should be [reported directly to Intel](#). Corporate customers should always use OEM drivers and report all issues through the vendor they purchased the platforms and support through.
3. Product is conformant with the Vulkan* 1.2 specification. Vulkan* and the Vulkan* logo are registered trademarks of the Khronos Group Inc*.
4. In the Intel Graphics Command Center (System > Driver), the 'Microsoft DirectX* version refers to the operating system's DirectX version. The DirectX 12 API is supported but some optional features may not be available. Applications using the DirectX 12 API should query for feature support before using specific hardware features. Please note that DirectX12 is only supported on Windows 10 and DirectX11.3 support is also available on supported Microsoft* operating systems.
5. One API Level Zero API version is pre-release version supported on 6th generation Intel® Core™ processors and above. Note that Intel® Atom processors are not supported.
6. [Intel® One API Video Processing Library](#) GPU Runtime* release – more details below
 - a. Intel® OneAPI Video Processing Library Specification:
<https://spec.oneapi.io/versions/latest/elements/oneVPL/source/index.html>
 - b. [Upgrading from Intel® Media SDK to Intel® oneAPI Video Processing Library](#)
7. See the [Windows Subsystem for Linux Installation Guide](#) for Windows 10 onwards for more details about how to install a supported Linux distribution.

More on Intel Core Processors

For more information on the Intel Core processor family, Intel Xeon E processor family, and 11th Generation Intel Core processors, please visit:

[Intel 11th Generation Core Processors](#)

<http://www.intel.com/content/www/us/en/processors/core/core-processor-family.html>

<http://www.intel.com/content/www/us/en/processors/xeon/xeon-processor-e3-family.html>

<http://www.intel.com/graphics>

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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