Release Notes

intel.

DRIVER VERSION: 30.0.101.1660

DATE: March 31, 2022

DEVELOPER HIGHLIGHTS:

- Blender Cycles oneAPI support on 11th Generation Intel® Core™ Processors and newer

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KEY ISSUES FIXED:

- Minor graphical anomalies seen in Assassin's Creed Valhalla* (DX12) on 11th and 12th Generation Intel® Core™ Processors.
- Minor graphical anomalies seen in Baldur's Gate 3* (Vulkan) on Intel® Iris® Xe Discrete graphics.
- A TDR may be observed during Netflix HEVC HDR Playback on 11th and 12th Generation Intel® Core™ Processors.

KNOWN ISSUES:

- An intermittent application crash or hang may be seen in Call of Duty: Black Ops Cold War* (DX12).
- An error pop-up may be observed when launching Call of Duty Vanguard* (DX12).
- Minor graphical anomalies may be observed in Diablo II: Resurrected* (DX12), Elden Ring* (DX12), Far Cry 6* (DX12), Farming Simulator 22* (DX12), Grand Theft Auto V* and Halo Infinite* (DX12).
- An "Update driver" pop-up error may be observed when launching Battlefield 1* after upgrading from 30.0.100.9955 or older drivers.
- [12th Generation Intel® Core™ Processors]: Minor graphical anomalies may be seen in Call of Duty: Warzone* (DX12), Hitman 2* (DX12).
- [12th Generation Intel® Core™ Processors]: A TDR may be observed in FIFA 22* (DX12) during gameplay and while running Doom Eternal* (Vulkan®) with Steam Overlay enabled.
- [12th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: An application crash may occur in Watch Dogs Legion* (DX11) when starting the game.
- [11th and 12th Generation Intel® Core™ Processors]: Minor graphical anomalies may be seen in Gears 5* (DX12), Genshin Impact* (DX11) and God of War* (DX11).
- [11th and 12th Generation Intel® Core™ Processors]: A TDR may intermittently occur in Halo Infinite* (DX12) during gameplay.
- [11th and 12th Generation Intel® Core™ Processors]: A game crash or hang may occur when launching Marvel's Guardians of the Galaxy* (DX12).
- [11th and 12th Generation Intel® Core™ Processors]: A game crash or hang may occur when changing resolution in NBA 2K21* (DX12).
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: An intermittent crash or hang may occur in Final Fantasy VII Remake Intergrade* (DX12) and Ghostwire Tokyo* (DX12).
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: Minor graphical anomalies may be seen in Elex* (DX11), MechWarrior 5: Mercenaries* (DX12) and The Ascent* (DX12).
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: A black screen or TDR may occur after launching, or during gameplay in Gears 5* (DX12).
- [Intel® Iris® Xe Discrete graphics]: An intermittent crash or hang may be seen in Forza Horizon 5* (DX12) when launched, Forza Motorsport 6* (DX12) when launched, Red Dead Redemption 2* (Vulkan) when MSAA is enabled and Resident Evil 3* (DX12) when exiting the game.
- [Intel® Iris® Xe Discrete graphics]: Minor graphical anomalies may be observed in Call of the Duty: Vanguard* (DX12), Microsoft Flight Simulator*(DX11), Marvel's Guardians of the Galaxy* (DX12) and Red Dead Redemption 2* (Vulkan).
- [10th Generation Intel® Core™ processors with Intel UHD Graphics]: An intermittent crash or hang may be observed in Battlefield V*.
- [11th and 12th Generation Intel® Core™ Processors]: Display's connected via an external dock may exhibit a black screen when using 4K@60hz resolution.
- Running DirectX®11 games in fullscreen with the Windows® "Fullscreen Optimization" option disabled, may result in a black screen when modifying resolution in game.

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver 10.26.0.12 (6th Gen and related Pentium Silver and Celeron processors)
- Intel® Display Audio Driver 10.27.0.12 (7th, 8th, 9th, 10th Gen Intel® Core™ processors)
- Intel® Display Audio Driver 11.1.0.20 (10th Gen Intel® Core™ processors with Iris Plus Graphics)
- Intel® Display Audio Driver 11.2.0.10 (Intel® Core™ Processors with Intel® Hybrid Technology)
- Intel® Media SDK Runtime (21.0.1.35)
- Intel® oneVPL[6] GPU Runtime (21.0.2.7)
- Intel® Graphics Compute Runtime for OpenCL* Driver
- Intel® Graphics Command Center (installed via Microsoft* Store)
- Vulkan*[3] Runtime Installer
- Intel® Graphics Driver Installer (1.0.610)
- 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 64-bit October 2021 Update (21H2)	Microsoft Windows 10 64-bit November 2021 Update (21H2)	Microsoft Windows 10 64-bit May 2021 Update (21H1)	Microsoft Windows 10 64-bit October 2020 Update (20H2)	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)
12th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics and Intel® UHD graphics (Codename Alder Lake-H, Alder Lake-P, Alder Lake-U, Alder Lake-S)	X	X	X	X	-	-	-
11th Generation Intel® Core™ H-Series mobile Processors with Intel® Iris® Xe graphics (Codename Tiger Lake - H)	X	X	X	X	-	-	-
11th Generation Intel® Core™ Processors with Intel® UHD graphics (Codename Rocket Lake)	X	X	X	X	-	-	-
Intel® Iris® Xe Discrete Graphics (Codename DG1)	X	X	X	X	-	-	-
Intel® Pentium® Processor family and Intel® Celeron® Processor family (Codename Jasper Lake)	X	X	X	X	X	-	-
11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics (Codename Tiger Lake)	X	X	X	X	X	-	-
Intel® Core™ Processor with Intel® Hybrid Technology (Codename Lakefield)	X	X	X	X	X	-	-
Intel® Atom®, Pentium® and Celeron® processor family (Codename Elkhart Lake)	X	X	X	X	X	X	X
10th Generation Intel® Core™ processors with Intel Iris Plus graphics (Codename Ice Lake)	X	X	X	X	X	X	-
10th Generation Intel® Core™ processors with Intel UHD Graphics (Codename Comet Lake)	X	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	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	X	-
Intel® Pentium® and Celeron® processor family (Codename Gemini 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	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	X	-

SUPPORTED APIs:

API	Version	Intel Graphics[1]
DirectX*[4]	12	6th Generation Intel® Core™ processors and higher
Vulkan* [3]	1.3	6th Generation Intel® Core™ processors and higher
OpenGL*	4.6	6th Generation Intel® Core™ processors and higher
OpenCL*	3.0	6th Generation Intel® Core™ processors and higher
Intel® oneAPI*[5] Level Zero	1.7[5]	6th Generation Intel® Core™ processors and higher
Intel® oneAPI Video Processing Library*[6] GPU RT	2.7	11th Generation Intel® Core™ processors and higher and Xe Graphics and newer

If you are uncertain of which Intel processor is in your computer, Intel recommends using theor 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. Are you still experiencing an error preventing the driver update? Look here for **why and a solution**. 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* 1.3 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. Intel® oneAPI Level Zero version is supported on 6th generation Intel® Core™ processors and above. Note that Intel® Atom processors are not supported.
6. Intel® oneAPI 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 Processors

For more information on the Intel Core processor family, Intel Xeon E processor family, and 12th Generation Intel Core processors, please visit:

[12th Gen Intel® Core™ Processors](#)
[Intel® Core™ Processor Family](#)
[Intel® Xeon® E Processors](#)
[Intel® 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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