Release Notes

intel.

DRIVER VERSION: 30.0.101.1121 BETA

DATE: November 16, 2021

NOTE: The driver version numbering has rolled over from 100.9999 to 101.1069. This requires the use of all 7-digits instead of 4-digits for the driver build number. For more information, see <u>Understanding the Intel® Graphics Driver Version Number</u>.

GAMING HIGHLIGHTS[1]:

- Fix for crash in **Battlefield 2042*** on 11th Generation Intel® Core™ Processors with Intel® Iris® X^e graphics.

KEY ISSUES FIXED:

- Minor graphic anomalies seen in **Shadow of the Tomb Raider*** (DX11).
- Error message seen when running **Rise of the Tomb Raider*** (DX12) on Intel® Iris® Xe Discrete graphics.

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*[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 Call of Duty: Black Ops Cold War* (DX12), Far Cry 6* (DX12), The Sims 4* (hot plug or unplug of external display).
- Minor graphic anomalies may be observed in Dark Souls 3*, Far Cry 6* (DX12), Metro Exodus* (DX12), Microsoft Flight Simulator* (during installation), Mount & Blade II: Bannerlord*, Red Dead Redemption 2* (DX12), The Surge 2* (Vulkan), Tom Clancy's Ghost Recon Breakpoint*.
- "Update driver" pop-up error may be seen while launching Battlefield 1* after upgrading from 30.0.100.9955 or older drivers due to the driver version roll-over.
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: Crash or hang may be seen in Breathedge*, Detroit: Become Human* (Vulkan), FIFA 21*, NBA 2K21* (DX12) (when switching resolution from 1920 x 1080 to 1600 x 900 and 1280 x 720), The Ascent.
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: Black screen may be seen in Arma 3* (when changing display mode to windowed or full screen).
- [11th Generation Intel® Core™ Processors with Intel® Iris® Xe graphics]: Minor graphic anomalies may be seen in Adobe Premiere Pro 2020 during video playback, Baldur's Gate 3* (Vulkan), Call of the Duty: Vanguard* (DX12), Call of the Sea*, Crysis Remastered*, Elex*, Just Cause 4 *, Red Dead Redemption* (Vulkan), The Ascent.
- [Intel® Iris® Xe Discrete graphics]: Intermittent crash or hang may be seen in Conan Exiles* (Low End Laptop Mode" in game settings), Forza Horizon 4* (DX12), Forza Motorsport 6* (DX12), Spyro: Reignited Trilogy*.
- [Intel® Iris® Xe Discrete graphics]: Minor graphic anomalies may be observed in Assassin's Creed Valhalla* (DX12), Code Vein*, Death Stranding* (DX12), Microsoft Flight Simulator*, GRID 2019* (DX12).
- [11th and 12th Generation Intel® Core™ Processors]: Display is getting blanked out with 4K@60hz resolution connected via dock.
- [12th Generation Intel® Core™ Processors with Intel® UHD graphics]: Minor graphic anomalies may be observed in Netflix* after quickly unplugging and re-plugging external displays during video playback.
- [12th Generation Intel® Core™ Processors with Intel® UHD graphics]: Intermittent crash or hang may be seen in Marvel's Avengers* (DX12), Metro Exodus* (DX12) (after changing quality), Shadow of the Tomb Raider* (Dx12), The Sims 4* (when loading save file).
- [12th Generation Intel® Core™ Processors with Intel® UHD graphics]: Minor graphic anomalies may be observed in Gears 5*, Genshin Impact*, Ring of Elysium* (DX12), Wolfenstein: Youngblood* (Vulkan).

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver 10.26.0.11 (6th Gen and related Pentium Silver and Celeron processors)
- Intel® Display Audio Driver 10.27.0.11 (7th, 8th, 9th, 10th Gen Intel® Core™ processors)
- Intel® Display Audio Driver 11.1.0.19 (10th Gen Intel® Core™ processors with Iris Plus Graphics)
- Intel® Display Audio Driver 11.2.0.9 (Intel® Core™ Processors with Intel® Hybrid Technology)
- Intel® Media SDK Runtime (21.0.1.35)
- Intel® oneVPL6 GPU Runtime (21.0.2.5)
- Intel® Graphics Compute Runtime for OpenCL* Driver
- Intel® Graphics Command Center (installed via Microsoft* Store)
- Vulkan*3 Runtime Installer
- Intel® Graphics Driver Installer (1.0.542)
- 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 May 2021 Update (21H1)	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 Window® 10 64-bit May 2019 Update (1903)	Microsoft Windows® 10 64-bit October 2018 Update (1809)
12th Generation Intel® Core™ Processors with Intel® UHD graphics (Codename Alder Lake)	X	X	X	-	-	-	-
11th Generation Intel® Core™ H-Series mobile Processors with Intel® Iris® X^e graphics (Codename Tiger Lake - H)	X	X	X	-	-	-	-
11th Generation Intel® Core™ Processors with Intel® UHD graphics (Codename Rocket Lake)	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® X^e 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]	1.2	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
One API*[5] Level Zero	1.1[5]	6th Generation Intel® Core™ processors and higher
OneVPL*[6] GPU RT	2.5	11th Generation Intel® Core™ processors and higher and X[e] Graphics and newer

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 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 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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