

Release Notes

DRIVER VERSION: 25.20.100.6373

DATE: November 5th, 2018

HIGHLIGHTS:

- **Football Manager 2019* Launch Driver**

Create your football story in [Football Manager 2019*](#), command massive spaceship battles in [Dreadnought*](#), cross someone over in [NBA 2K Playgrounds 2*](#), show off your fighting skills in [Soulcalibur VI*](#), immerse yourself in the Witcher* world in [Thronebreaker: The Witcher Tales*](#), and play [Mega Man 11* – 30th Anniversary](#) on Intel® UHD Graphics 620 or better.

Choose your hero and win in [Warriors Orochi 4*](#), embark on an adventure in [LEGO DC Super-Villains*](#), and fight for your justice in [My Hero One's Justice*](#) with Intel® Iris Pro Graphics or better.

This driver also introduces performance improvements for Microsoft WinML-based applications on 7th Generation Intel® Core processors and higher, by including an initial set of DirectML MetaCommands on supported platforms. These driver optimizations bring a substantial speedup to machine learning and AI-enabled applications that require certain types of convolution or matrix multiply operations. Check out the latest performance improvements for WinML available from the Win 10 October 2018 driver [here](#).

Be sure to check out [gameplay.intel.com](#), where you'll find recommended game settings for many more of your favorite PC games.

Get a front row pass to gaming deals, contests, betas, and more with [Intel® Software Gaming Access](#).

Head over to the Developer Zone and learn how to tune high dynamic range (HDR) playback. [Check it out!](#)

Install the [Intel® Driver & Support Assistant](#) (previously called Intel® Driver Update Utility), which now automatically checks for drivers on a regular basis and can provide notifications when new drivers are available.

This document provides information about Intel's Graphics Driver for:

- 9th Generation Intel® Core processors, related Pentium®/Celeron® Processors, and Intel® Xeon processors, with Intel® UHD Graphics 630.
- 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.
- 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.
- 6th Generation Intel® Core processors, 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.
- Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530
- Pentium®/ Celeron® Processors with Intel® HD Graphics 500, 505 and Intel® UHD Graphics 600, 605
- Pentium®/Celeron® Intel UHD 600, 605

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver (10.26.00.01)
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Control Panel
- Vulkan* Runtime Installer (1.1.82.1)

Operating System Support

On 9th Generation Intel® Core processors, 8th Generation Intel® Core processors, 7th Generation Intel® Core processors, 6th Generation Intel® Core and Intel® Mobile Xeon processors and related Pentium/Celeron:

- Microsoft Windows® 10 64-bit

NEW FEATURES:

Game Performance Improvements and optimizations for Warhammer Vermintide 2 on 6th Generation Intel® Core processors or higher.
Display Quality Improvements in Multi Display Setups
PowerDVD* quality Improvements and playback corruption fixes
Vulkan* memory optimizations
Security Fixes

KEY ISSUES FIXED:

Intermittent crashes or hangs may occur in Naruto to Boruto: Shinobi Striker*, Mothergunship*
Minor Graphics anomalies may be observed in Assassins Creed Odyssey*, Boundless*, Rend*
Screen may flicker at low brightness levels in certain panels when DPST is enabled
Stereo 3D may not work since Windows* 10 April 2018 Update
Display Pattern and +/- buttons may not show up sometimes in Intel Graphics Control Panel when enabling Bezel Correction in Collage mode.

SUPPORTED PRODUCTS:

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics ¹	DirectX ^{*2}	OpenGL *	OpenCL*	Vulkan*	Intel® Quick Sync Video
9 th Generation Intel® Core™ processors with Intel® UHD Graphics 630	12	4.5	2.1	1.1.85	Yes
8 th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 655	12	4.5	2.1	1.1.85	Yes
8 th Generation Intel® Core™ processors with Intel® UHD Graphics 610/620/630/P630	12	4.5	2.1	1.1.85	Yes
7 th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 640/650	12	4.5	2.1	1.1.85	Yes
7 th Generation Intel® Core™ processors with Intel® HD Graphics 610/615/620/630	12	4.5	2.1	1.1.85	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P630	12	4.5	2.1	1.1.85	Yes
Pentium Processors with Intel® HD Graphics 610	12	4.5	2.1	1.1.85	Yes
6 th Generation Intel® Core™ processors with Intel® Iris® Pro Graphics 580	12	4.5	2.0	1.1.85	Yes
6 th Generation Intel® Core™ processors with Intel® Iris® Graphics 540/550	12	4.5	2.0	1.1.85	Yes
6 th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.5	2.0	1.1.85	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.5	2.0	1.1.85	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.5	2.0	1.1.85	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.5	2.0	1.1.85	Yes
Pentium® and Celeron® Processors with Intel® HD Graphics 500/505/510	12	4.5	1.2	1.1.85	Yes
Pentium® and Celeron® Processors with Intel® UHD Graphics 600/605	12	4.5	1.2	1.1.85	Yes

Note:

1. If you are uncertain of which Intel® processor is in your computer, Intel® recommends using the [Intel Processor Identification Utility](#) or Install the [Intel® Driver & Support Assistant](#) (previously called Intel® Driver Update Utility) to identify your Intel® processor.
2. In the Intel® Iris®, UHD, and HD Graphics Control Panel (under Options > Options menu > Information Center), the 'Installed DirectX* version' refers to the operating system's DirectX version. The Information Center's 'Supported DirectX* Version' refers to the Intel® Graphics Driver's supported 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.

KNOWN ISSUES

- Intermittent crashes or hangs may occur in FIFA 19* (DX12*), Assassins Creed Odyssey, and other games
- Minor Graphics anomalies may be observed in NBA 2K19*, FIFA* 19 (DX12*), and other games
- Windows Advanced Display Settings may show incorrect bit-depth on some primary monitors which leads to inaccurate colors.

More on Intel® Core™ processors

For more information on the Intel® Core™ processor family and 9th Generation Intel® Core processors, please visit:

[Intel® 9th 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>

Work and play in high resolution with Intel® UHD Graphics, Iris® Graphics, Iris® Plus Graphics, and Iris® Pro Graphics. Watch captivating 4K Ultra HD (UHD) video on up to three screens, edit photos and videos like a pro, and immerse yourself in vividly rendered, seamless 3D gameplay - all with the added power boost of an Intel® Core™ processor. Intel® Graphics bring stunning visuals to thinner and lighter portable devices, like laptops, 2 in 1s, and desktop computers.

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](#).

*Other names and brands may be claimed as the property of others.