

# Release Notes

**DRIVER VERSION: 15.65.3.4944**

(Windows Driver Store Version 23.20.16.4944)

**DATE: February 13, 2018**

## HIGHLIGHTS:

- **Intel® Graphics Control Panel Now Configures Game Settings Automatically**
- [Age of Empires™: Definitive Edition](#) Launch Driver
- [Final Fantasy® XII: The Zodiac Age HD](#) Launch Driver

Intel® is introducing a new feature with the ability to automatically configure game settings for Intel® Graphics on 6th Gen Core Processors or higher (including systems with 8th Gen Core Processors with Radeon RX Vega M Graphics). Look for the 'Gaming icon' in the Graphics Control Panel. This feature is still in beta so game availability and functionality is limited. We'd love to hear your thoughts on this new feature, you can provide your [feedback here](#).

Stay tuned for future improvements and more games coming soon!

Currently supported games: [Battlefield 1™](#), [Battlefield 4™](#), [American Truck Simulator™](#), [Call of Duty® WWII](#), [Destiny® 2](#), [DOTA™ 2](#), [Grand Theft Auto V™](#), [League of Legends®](#), [Overwatch™](#), [World of Tanks™](#)

Get ready to take back the world, the battle is building! Play [Fortnite®: Battle Royale](#) as well as [They Are Billions®](#), [Lost Sphear®](#), [Age of Empires: Definitive Edition\\*](#), [Final Fantasy XII: The Zodiac Age HD\\*](#), [OK KO: Let's Play Heroes™](#), [Subnautica™](#), [Legrand Legacy™: Tale of the Fatebounds](#), and [Dragon Ball® FighterZ](#) on processors with Intel® HD Graphics 620 or better.

Also, enjoy [Kingdom Come: Deliverance®](#) and [Street Fighter® V: Arcade Edition](#) on Intel® Iris® Pro Graphics.

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

This new driver also introduces many other improvements:

- Enhanced performance of graphics workloads for 6th Gen Core processors or higher with intelligent power management under maximum load.
- Improved performance in video encoding for all codecs.
- Power saving optimizations during video playback and UHD gaming is now available on all 7<sup>th</sup> Gen Core processors and higher.

Learn more about the Intel® Facial Special Effects Filter SDK at <https://software.intel.com/en-us/articles/intel-facial-special-effects-filter>

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:

- 8th Generation Intel® Core processors with Intel® UHD Graphics 610, 620, 630.
- 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

## **CONTENTS OF THE PACKAGE:**

- Intel® Graphics Driver
- Intel® Display Audio Driver (10.24.00.3)
- Intel® Media SDK Runtime
- Intel® OpenCL\* Driver
- Intel® Graphics Control Panel
- Vulkan\* Runtime Installer (1.0.65.0)

## **Operating System Support**

On 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:**

Beta gaming feature: at the click of a button, users will be able to automatically configure a game to work optimally for their particular systems. Please note that the new 'Gaming icon' replaces the 'Profiles' icon. 'Profiles' option has moved to 'Options and Support'
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Optimized memory usage for HEVC encoding
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Improved Vulkan* memory usage
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## **KEY ISSUES FIXED:**

Intermittent crashes or hangs may occur in The Evil Within® 2 (when changing resolutions), DaVinci Resolve*, or War Thunder™ (Vulkan*)
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Graphics anomalies may be observed in Just Cause™ 3
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Long load times may be observed for some tracks in Forza Motorsport® 7
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Intermittent issues and black screens may appear when using a few select 4K monitors after changing resolutions or refresh rates
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Screen flickering may be observed when using Windows* Mixed Reality and hot plugging display or headset
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PowerDVD17* playback fails with error "Application blocked from access to GFX Hardware"
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Bezel value may not correctly increment/decrement when using the bezel correction feature in the Intel® Graphics Control Panel while in collage mode
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## SUPPORTED PRODUCTS:

### HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics <sup>1</sup>	DirectX <sup>2</sup>	OpenGL*	OpenCL*	Vulkan*	<a href="#">Intel® Quick Sync Video</a>
8th Generation Intel® Core™ processors with Intel® UHD Graphics 610/620/630	12	4.5	2.1	1.0.66	Yes
7th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 640/650	12	4.5	2.1	1.0.66	Yes
7th Generation Intel® Core™ processors with Intel® HD Graphics 610/615/620/630	12	4.5	2.1	1.0.66	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P630	12	4.5	2.1	1.0.66	Yes
Pentium Processors with Intel® HD Graphics 610	12	4.5	2.1	1.0.66	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Pro Graphics 580	12	4.5	2.0	1.0.66	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Graphics 540/550	12	4.5	2.0	1.0.66	Yes
6th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.5	2.0	1.0.66	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.5	2.0	1.0.66	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.5	2.0	1.0.66	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.5	2.0	1.0.66	Yes
Pentium® and Celeron® Processors with Intel® HD Graphics 500/505	12	4.5	1.2	1.0.66	Yes
Pentium Processors with Intel® HD Graphics 510	12	4.5	1.2	1.0.66	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® 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

- Graphics anomalies may be observed in Titanfall® 2 (6th Gen Intel® Core™ Only), Wolfenstein II: the New Colossus™, The Forest\*, and other games
- Intermittent crashes or hangs may occur in Tom Clancy's Division™ (DX12\*)

- Intermittent stutter may be observed on systems with discrete graphics.

## More on Intel® Core™ processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 8<sup>th</sup> Generation Intel® Core processors, please visit:

### [Intel® 8<sup>th</sup> 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.