Release Notes

DRIVER VERSION: 15.40-4474 Beta &15.40.64 – 4463 Beta

DATE: June 17, 2016

SUMMARY:

Beta driver to test a work-around for a screen flicker issue found while playing some DirectX 11 games. Please see below for additional details.

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

- 6th Generation Intel® Core processors, Intel Core™ M, and related Pentium® processors with Intel® HD Graphics 510, 515, 520, 530, Intel® Iris™ Graphics 540, Intel® Iris™ Graphics 550, and Intel® Iris™ Pro Graphics 580.
- Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530
- 5th Generation Intel® Core processors with Intel HD Graphics 5500, 5600, 6000, Intel Iris™ Graphics 6100, Iris Pro Graphics 6200 and select Pentium®/ Celeron® processors with Intel® HD Graphics
- Intel® Core™ M with Intel HD Graphics 5300
- 4th Generation Intel® Core™ Processors with Intel HD Graphics 4200, 4400, 4600, 5000, Intel Iris™ Graphics 5100 and Intel Iris Pro Graphics 5200 and select Pentium®/ Celeron® Processors with Intel® HD Graphics

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Control Panel

KEY ISSUES FIXED:

Screen flickers with some DirectX11 games Issue caused by OS using interlaced modes rather than progressive (e.g. 1080i instead of 1080p). Although this is not an Intel driver functionality, we have implemented a 'work-around' fix of offering the option to removing the interlaced modes from the list of modes shown as supported by the system.	Windows 7* Windows 8.1* Windows 10*

Additional information on the 'interlaced modes work-around':

For the purposes of testing the work-around, the switch to turn on and off the interlaced modes is in the graphics driver's ".inf" file. We have set the switch on this beta driver to ON by default, meaning the interlaced modes will not be available when using this driver. The driver has been WHQL certified with the switch set in the ".inf" file, and should install normally. If you modify the ".inf" file, the WHQL certification will be broken and a warning message will appear when installing the driver – even if you change the setting back.

For more information on Interlaced versus progressive modes, please use your favorite internet search engine.

FAQ:

Q: Will this beta driver remove interlaced modes from all the displays connected to system?
A: Yes.

Q: Is it possible to remove interlaced modes only on a particular display?
A: No. This update will remove interlaced modes on all displays connected.

Q: Can I get back the removed interlaced modes.
A: Although it is technically possible to edit the system registry and change the value, we strongly discourage customers from attempting this, as you can easily damage your driver and operating system installation.
To get back the interlaced modes, please revert back to your previous graphics driver, or download and install the latest production version graphics driver for your system.

Q: Will this beta driver remove all interlaced modes, even if the native resolution of the display is an interlaced mode?
A: No, the native resolution will not be removed (it would be excluded from removal list) – Since this would result in undesired behavior.

SUPPORTED PRODUCTS:

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Intel® Quick Sync Video	Intel® Wireless Display
6th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.4	2.0	Yes	Yes
6th Generation Intel® Core™ processors with Intel® Iris™ Graphics 540/550	12	4.4	2.0	Yes	Yes
6th Generation Intel® Core™ processors with Intel® Iris™ Pro Graphics 580	12	4.4	2.0	Yes	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.4	2.0	Yes	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.4	2.0	Yes	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.4	2.0	Yes	Yes
Pentium Processors with Intel® HD Graphics 510	12	4.4	1.2	Yes	Yes
5th Generation Intel® Core™ Processors with HD Graphics 5500	12	4.4	2.0	Yes	Yes
5th Generation Intel® Core™ Processors with HD Graphics 6000	12	4.4	2.0	Yes	Yes
5th Generation Intel® Core™ Processors with Iris™ Graphics 6100	12	4.4	2.0	Yes	Yes
5th Generation Intel® Core™ Processors with Iris™ Pro Graphics 6200	12	4.4	2.0	Yes	Yes
Intel® Core™ M with Intel® HD Graphics 5300	12	4.4	2.0	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200	12	4.3	1.2	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Graphics 5100	12	4.3	1.2	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200	12	4.3	1.2	Yes	Yes
Intel® Pentium® and Celeron® Processors with Intel® HD Graphics based on 4th and 5th Generation Intel® Core™	12	4.3	1.2	Yes	Yes

SOFTWARE

On 6th Generation Intel Core and Intel Mobile Xeon processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit
- Microsoft Windows* 8.1 64-bit
- Microsoft Windows* 7 64-bit, 32-bit

On 5th Generation Intel Core processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit

- Microsoft Windows* 8.1 64-bit, 32-bit
- Microsoft Windows* 7 64-bit, 32-bit

On 4th Generation Intel Core processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit, 32-bit

Note:
1. If you are uncertain which Intel processor is in your computer, Intel recommends using the Intel Processor Identification Utility or 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

- TBD

More on Intel® Core™ processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 6th Generation Intel Core processors, please visit:

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

http://www.intel.com/content/www/us/en/processors/core/6th-gen-core-family-mobile-brief.html

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.

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