Release Notes

DRIVER VERSION: 15.36.18.4156 & 15.36.18.64.4156

DATE: March 16th, 2015

SUMMARY:

Support for Intel 5th Generation Intel® Core processors with HD Graphics 5500, HD Graphics 6000, and Iris™ Graphics 6100 and key enhancements for Intel 4th Generation Intel Core Processors. This driver provides up to 10% better performance improvement when running 3DMark11* benchmark and fixes many game, application, display and UI issues.

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

- 5th Generation Intel® Core Processors with Intel HD graphics, Intel Iris™ graphics and select Pentium®/ Celeron® Processors with Intel® HD graphics for Microsoft Windows* 8.1, Microsoft Windows* 8 and Microsoft Windows* 7 operating systems.
- Intel® Core™ M with Intel HD graphics 5300 for Microsoft Windows* 8.1, Microsoft Windows* 8 and Microsoft Windows* 7 operating systems.
- 4th Generation Intel® Core™ Processors with Intel HD graphics, Intel Iris™ graphics and Intel Iris Pro graphics and select Pentium®/ Celeron® Processors with Intel® HD graphics for Microsoft Windows* 8.1, Microsoft Windows* 8 and Microsoft Windows* 7 operating systems.

NEW FEATURES:

- Up to 10% performance improvement as measured on 3D Mark 11* benchmark.

CONTENTS OF THE PACKAGE:

- Intel® Iris™ and HD Graphics Driver
- Intel® Display Audio Driver
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Control Panel

KEY ISSUES FIXED:

System hang observed while playing Dead Rising 3* game	Windows* 8.1
Display corruption observed while playing Lara Croft and the Temple of Osiris* game	Windows* 8.1
Display corruption was observed near the hair details of a character while playing Resident Evil 6 Biohazard* game with specific settings	Windows* 8.1
Display corruption observed on texture details of characters while playing Ryse: Son of Rome* game	Windows* 8.1
Display flickering is observed while playing Halo 2* game	Windows* 8.1
Application crash observed while trying to run SPECviewperf® 12* benchmark with Creo view settings	Windows* 7

Display corruption observed while running Worms: Revolution* game with Conservative Morphological Anti-Aliasing (CMAA) setting enabled in Intel Graphics control panel	Windows* 8.1
Application crashes observed while running Cinebench Cinema 4D* application	Windows* 8.1
Corruptions observed while running JUCE Demo* application	Windows* 8.1, Windows* 7
Hot keys registered by Intel graphics control panel are not released for usage by other applications even after disabling hot keys	Windows* 8.1, Windows* 7
Brightness level does not change when resuming from monitor off state	Windows* 8.1
Sometimes the message “Display driver has stopped responding and has recovered” may appear when opening information center in Intel graphics control panel	Windows* 8.1
Display black out observed when resuming from hibernate mode with a DisplayPort 2.1 monitor attached to the system	Windows* 7
Display on attached HDMI monitor is split into three when changing the resolution of secondary display (4K2K) to specific resolutions	Windows* 8.1
Display garbage seen on 4K HDMI monitor when setting it in extended desktop mode and changing resolution to 2560x1600	Windows* 8.1, Windows* 7
Sometimes user is unable to change the aspect ratio on 4K HDMI monitor configured in extended mode.	Windows* 8.1

SUPPORTED PRODUCTS:

SOFTWARE

This driver supports 64-bit and 32-bit variants of operating systems -

- Microsoft Windows* 8.1
- Microsoft Windows* 8
- Microsoft Windows* 7

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Intel® Quick Sync Video	Intel® Wireless Display	Intel® Insider™	InTru™ 3D	Intel® Clear Video HD Technology
5th Generation Intel® Core™ Processors with HD Graphics 5500	11.2	4.3	2.0	Yes	Yes[3,4]	Yes	Yes	Yes
5th Generation Intel® Core™ Processors with HD Graphics 6000	11.2	4.3	2.0	Yes	Yes[3,4]	Yes	Yes	Yes
5th Generation Intel® Core™ Processors with Iris™ Graphics 6100	11.2	4.3	2.0	Yes	Yes[3,4]	Yes	Yes	Yes
Intel® Core™ M with Intel® HD Graphics 5300	11.2	4.3	2.0	Yes	Yes[3,4]	Yes	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes
4th Generation Intel® Core™ Processors	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes

with Intel® Iris™ Graphics 5100								
4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes
Intel® Pentium® Processor 3805U	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	No
Intel® Celeron® Processor 3755U/32005U	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	No
Intel® Pentium® Processor 3558U/3560M/3561Y/G3220/G3220T/ G3240/G3240T/G3250/G3250T/G3258/ G3320TE/G3420/G3420T/G3430/ G3440/G3440T/G3450/ G3450T/ G3460 with Intel® HD Graphics	11.2	4.3	1.2	Yes	No	No	No	No
Intel® Pentium® Processor 3550M/3556U/ 3560Y with Intel® HD Graphics	11.2	4.3	1.2	No	No	No	No	No
Intel® Celeron® Processor 2957U/2961Y/ 2970M/2981U/G1820/G1820T/G1820TE/ G1830/ G1840/G1840T/G1850 with Intel® HD Graphics	11.2	4.3	1.2	Yes	No	No	No	No
Intel® Celeron® Processor 2000E/2002E/ 2950M/2955U/2980U with Intel® HD Graphics	11.2	4.3	1.2	No	No	No	No	No

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 11.2 API is supported but some optional features may not be available. Applications using the DirectX 11.2 API should query for feature support before using specific hardware features.
3. The Intel® Wireless Display software application is available only for Microsoft Windows 7 and Windows 8 operating systems.
4. Intel Wireless Display native Miracast* support under Windows 8.1 is now supported through the operating system's Charms menu. For more information, see the Miracast FAQ.

KNOWN ISSUES:

- Visual stutters may be observed while playing Dead Rising 3* game
- Dragon Age: Inquisition* game does not start
- Display corruption may be observed while playing GRID Autosport* game
- Game hang may be observed while playing Galactic Civilizations III* game
- Display corruptions may be observed at the bottom of the screen in the options menu while playing the game Doom 3*
- Display garbage may be observed while playing game Jo's Dream Organic Coffee 2* game
- Display flickering may be observed while adjusting brightness on the main menu of the Rage* game
- Intel is actively investigating issues where games using DirectX 11* play in windowed mode. Some users may find that disabling touch on the internal display or playing the game on an external display (without a touch controller) may resolve the issue

More about 5th Generation Intel® Core™ processors with Intel Graphics

The new 5th Generation Intel® Core™ processor family is Intel's latest wave of 14nm processors, delivering improved system and graphics performance, more natural and immersive user experiences, and enabling longer battery life compared to previous generations. The release of the 5th generation Intel Core technology includes fourteen new processors for consumers and businesses featuring ten new 15W processors with Intel® HD Graphics and four new 28W products with Intel® Iris™ Graphics. The 5th generation Intel Core processor is purpose-built for the next generation of compute devices offering a thin, light and more efficient experience across diverse form factors including traditional notebooks, 2-in-1s, Ultrabooks, Chromebooks, All-In-One desktop PCs and Mini PCs.

Watch. Game. Create with Intel Graphics. The 5th Generation Intel Core processor family brings the next evolution in graphics architecture enabling new levels of performance and power efficiency. The new 5th generation Intel Core processor dedicates a large portion of the chip to Intel graphics including Intel® HD Graphics 5500, HD Graphics 6000 and Intel® Iris™ Graphics 6100 – providing stunning visuals. It also enables 4K Ultra HD videos over WiDi with Intel® Clear Video HD Technology. Whether playing the latest mainstream game, watching videos in 4K Ultra HD or simply sharing your latest gameplay and video creations with family, Intel HD and Iris graphics deliver an eye-popping visual experience.

See http://www.intel.com/content/www/us/en/processors/core/5th-gen-core-processor-family.html for more details about 5th Generation Intel Core.

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.

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