



Intel® PROSet/Wireless for Bluetooth Technology Software

Bluetooth Software v17.70 PV Release for Windows 10 on Stone Peak

BT Driver: SHBTW0785_17.1.1504.02

Ww26, 2015



Releases Overview

- Intel is announcing the **17.70 PV** release for Windows 10, of the Intel® PROSet/Wireless Bluetooth Software.
- The focus of this release collateral is the support of Stone Peak with the Windows 10 Operating System

Announcing the release of the BT PV Software for Windows 10 on Stone Peak

General Information

- **BT Build Info**

- Driver:iBTSW_REL1466_17.1.1525.1466

- **Supported Platforms**

- Haswell w/Lynx Point
- Broadwell
- Braswell
- Skylake

- **Supported Hardware**

- StP1(3165)/StP2(7265)

- **Supported OS**

- Tested with Win10 version 10143

Important Notes

- Ibtstva on by default
- WHLK Errata from MSFT, see below.

Change Highlights

- Stp/CO
 - Change BT announcement to 4.0 in LMP Version Response.
 - CO Patch context aware switching. Increased flexibility for future patches.
- StP/DO
 - Change BT announcement to 4.2 in LMP Version Response
 - HCI Offload and advertisement bugs

Known Issues

Defect ID	Issue	Reason
MWG100236917	Low OPP throughput and choppy audio quality observed (multiprofile)	Under Investigation
NA	CS testing incomplete	Testing delayed due to platform issues
MWG100238887	[StP C0][HLK][Win10] StP fails Bluetooth - HciExtensions (Development and Integration) Test	StP/C0 is BT4.0 but Win10 WHLK is testing for HCI_extension regardless of announced BT 4.x support level. MSFT Errata ID = 5642 Valid until 07/15/2015
MWG100238889	[STP][win10][Install] Uninstall does not remove all ibtUSB files	ibtusb.cat and ibtusb.inf are sometimes left over Will be fixed in next SP release
MWG100237916	[HFP] Fail test 292512 Connect and Play for both StP and SfP Due to low MOS score.	MOS score sometime marginal and test fails

Corrected Issues

CQ ID	Title	Fix Detail
MWG100233445	Can't send file via Bluetooth after Cold boot	C0/D0 – Incomplete implementation
MWG100198423	BT play music, the machine have no sound after play few minutes	C0/D0 – Incomplete implementation
MWG100225100	There is no sound output from headset after resume from S3/S4 with internet connected (WA)	C0/D0 – Incomplete implementation
MWG100226785	Device manager show Intel BT device yellow bang during BT on/off switching test.	C0/D0 – Incomplete implementation
MWG100235518	Bluetooth stack installation issue	Secondary USB enumeration response was re-aligned

BT Windows 10 Feature Testing Guidance

	Tested Internally
	Testable, see notes
	Blocked

Functionality	Alpha	Beta	PC	PV	
BT4.x spec compliance (mandatory errata)					BT 4.0 for StP/C0 and BT 4.2 for StP/D0
BLE beacon support					Supported on StP D0 only
BT Offload - BLE discovery					Supported on StP D0 only

BT Windows 10 Testing Guidance

	Tested Internally
	Testable, see notes
	Blocked

This Release



Previous Releases

Functionality	Alpha	Beta	PC	PV	Notes (see known Issues and Limitations for more details)
A2DP					
ACPI Power Management					
AVRCP					
Bluetooth Core					
BLE-HID					
Bluetooth Multiprofile					StP has limitations using multiple profiles
HID					
HFP					
OPP					
Sx transitions					
RF-Kill					
Stability					

Legal Disclaimer

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

All products, dates, and figures specified are preliminary based on current expectations, and subject to change w/o notice. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel, processors, chipsets, and desktop boards may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Any code names featured are used internally within Intel to identify products that are in development and not yet publicly announced for release. Customers, licensees and other third parties are not authorized by Intel to use code names in advertising, promotion or marketing of any product or services and any such use of Intel's internal code names is at the sole risk of the user.

Intel product plans in this presentation do not constitute Intel plan of record product roadmaps. Please contact your Intel representative to obtain Intel's current plan of record product roadmaps.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to www.intel.com/performance

Results have been estimated based on internal Intel analysis and are provided for informational purposes only. Any difference in system hardware or software design or configuration may affect actual performance.

Intel does not control or audit the design or implementation of third party benchmark data or Web sites referenced in this document. Intel encourages all of its customers to visit the referenced Web sites or others where similar performance benchmark data are reported and confirm whether the referenced benchmark data are accurate and reflect performance of systems available for purchase.

References to 802.11n and 802.11ac performance are based on theoretical bandwidth maximums enabled by various 802.11n and 802.11ac specifications. Actual throughput will vary on your specific device operating system, hardware, software configurations, Internet connection speed and environmental conditions.

Intel® Wireless Display requires an Intel® Wireless Display enabled PC, tablet, or smartphone, a compatible adapter, and a TV. 1080p and Blu-Ray* or other protected content playback only available on select Intel® processors with built-in visuals enabled. Consult your PC manufacturer. For more information, see www.intel.com/go/widi

Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: <http://www.intel.com/technology/vpro>

Intel® Active Management Technology requires activation and a system with a corporate network connection, an Intel® AMT-enabled chipset, network hardware and software. For notebooks, Intel® AMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Results dependent upon hardware, setup and configuration. For more information, visit [Intel® Active Management Technology](#).

Intel Dual Band Wireless-AC 8260, Intel Dual Band Wireless-AC 3165, Intel Dual Band Wireless-AC 7265, Intel Dual Band Wireless-N 7265, Intel Wireless-N 7265, Intel Dual Band Wireless-AC 7260, Intel Dual Band Wireless-N 7260, Intel Wireless-N 7260, Intel Dual Band Wireless-AC 3160, Intel Smart Connect Technology, Intel Wireless Display, Intel vPro Technology, Intel Active Management Technology, Intel PROSet/Wireless Software, Intel PROSet/Wireless Software for Bluetooth Technology, Location Based Service, Intel Remote Wake Technology, Intel, Intel Inside, the Intel logo, Intel Core, Intel, Intel logo are trademarks of Intel Corporation in the United States and other countries.

This document contains information on products in the design phase of development.

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

Copyright © 2015 Intel Corporation, All Rights Reserved

