



BTW12.0.0.7800 Windows 8x UART Driver Package

Release Notes

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INTRODUCTION

This software package consists of the BTW12 build 12.0.0.7800 software drivers that can be installed on the Intel x86 and x64 UART platforms. The software has been tested on the Windows Blue operating system (Windows 8.1 **version 6.3.9471**) and Windows 8 RTM build. The installer provided can install the relevant drivers based on the platform on which the software is being installed.

This release of BTW12 contains drivers for the Intel x86 and x64 UART platforms that have passed WHCK tests.

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Issues Fixed – Windows 8

BLTH01688500	Multiple init retries in the BtwSerialBus. [build 2290]
BLTH01590450	Additions of BCM2E1B. [build 2300]
BLTH01691970	BT FW change for 2E09. [build 2300]
BLTH01690296	Update BtwSerialBus package for ARM 2E03 device with official FW. [build 2300]
BLTH01699573	Add WHCK signed UART audio driver files. [build 2300]
BLTH01723088	4330 BT FW update for Win8 projects. [build 3300]
BLTH01701297	Update BtwSerialBus project settings for better STAMPINF_VERSION handling. [build 3300]
BLTH01727922	Update 2E03 UART device to 0041.0043 FW. [build 3300]
BLTH01760316	INF file change for BCM2E04 (case 576163). [build 3900]
BLTH01778093	Add hardware ID ACPI\BCM2E1F to BTW12 Win8 x86 UART driver package. [build 4000]
BLTH01852234	Support for BCM2E24 added. [build 4700]
BLTH01806666	Add BCM2E21 and BCM2E22 to UART driver. This was done in the test signed DEV package. [build 4900]
BLTH01808405	Add BCM2E1A device to BT UART driver INF. [build 4900]
BLTH01812919	Provide 64 bit version of UART driver and add BCM2E20 device. [build 4900]
BLTH01885176	Add new ACPI IDs for 43241 project into BTW 12 and update FW hcd for some existing devices. [build 4900]
BLTH01897061	Added support for requested the 43241 device in test signed btwserialbus-devx86 UART package. [build 5100]
BLTH01904020	Add new ACPI IDs for 43241 project into BTW12. This is added into DEV (non-WHCK-signed) package. [build 5160]
BLTH01943765	Add new ACPI IDs for 43241 project into BTW 12 - 2E2D & 2E2E. [build 5160]
BLTH01903867	Add new ACPI IDs for 4330 project into BTW 12. [build 5160]
BLTH01961743	Add new ACPI IDs for 43241 project into BTW 12 - BCM2E33. [build 5200]
BLTH01959761	Add new ACPI IDs for 43241 project into BTW 12 - BCM2E34. [build 5200]
BLTH01972439	Re-use ACPI ID for 43241 project in BTW 12 - 2E2D - DEV package. [build 5300]
BLTH01959761	Add new ACPI IDs for 43241 project into BTW 12 for BCM2E34. [build 5300]
BLTH01940549	Add new ACPI IDs for 4330 project into BTW 12 - BCM2E2F [build 5400]

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BLTH02005528	BT_RST_N and BT_SHUTDOWN_N INF change for ACPI\BCM2E1D [build 5400]
BLTH02005605	Add new ACPI IDs for 43241 B4 project into BTW 12 - DEV package [build 5400]
BLTH02011515	Add new ACPI IDs for 43241 B4 project into BTW 12 - DEV package. [build 5800]
BLTH02081876	Add new ACPI IDs for 43241 B4 project into BTW 12 - DEV package [build 6050]
BLTH02070782	Add new ACPI IDs for 4330 project into BTW 12 for BayTrail ref design - WHCK package [build 6050]
BLTH02092171	Driver update for btwserialbus_DEV [build 6100]
BLTH02092164	Please change device BCM2E12 to use Pinole_Shutdown2.NT.AddReg [build 6100]
BLTH02108818	BtwSerialBus detailed init error log entries [build 6102]
BLTH02097917	Intel Baytrail platform support in the BT UART driver [build 6102]
BLTH02112910	BtwSerialBus LTR 3 millisecond floor enforced [build 6102]
BLTH02111232	43241 B4: Change FW for device ACPI ID = 2E40 in BTW 12 – DEV package [build 6102]
BLTH02123875	Drivers update for Btwserialbus_DEV Bcbtums BtwSerialBus. [build 6262]
BLTH02138608	BTW 12 UART: change 43241 B4 FW - BCM2E35 - WHCK package. [build 6265]
BLTH02135203	Change 43241 FW hcd files to new releases – DEV package. [build 6265]
BLTH02140345	Change 43241 FW hcd files to new releases – all packages. [build 6266]
BLTH01962116	Activate x64 HCI_Bypass device in btwavdt INF for 64 bit UART based platform. [build 6267]
BLTH02160017	Change 43241 FW hcd files for devices used on Intel 64bit system - WHCK package. [build 6267]
BLTH02162045	Change 43241 B0 FW hcd files for devices used on Intel 64bit system - DEV package. [build 6268]
BLTH02167807	BtwSerialBus driver workaround for Intel's UART driver 0 byte issue. [build 6270]
BLTH02124079	Add new ACPI IDs for 43241 B4 project - BCM2E35 - WHCK package. [build 6500]
BLTH02124064	Add new ACPI IDs for 43241 B4 project - BCM2E4E - DEV package. [build 6500]
BLTH02177208	BTW 12 UART: change 43241 FW hcd files to new releases – all packages. [build 6500]
BLTH02138559	Move x64 43241 B4 family devices from -DEV package to WHCK candidate package. [build 6500]
BLTH02205424	Add new ACPI IDs for 43241 B4 project into BTW 12 - BCM2E4A - 32bit - DEV package. [build 6600]

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BLTH02210846	WHCK signed 12.0.0.6272 ARM and .6600 x86 files added. [build 6700]
BLTH02225090	Added new ACPI IDs for 43241B4 - BCM2E36 - 64bit – DEV. [build 6900]
BLTH02221774	Added new ACPI IDs for 43241B4 - BCM2E3B- 32bit - DEV package. [build 6900]
BLTH02245276	Change FW for 43241 B4 BCM2E47 - 64bit – WHCK. [build 6950]
BLTH02265548	Updates to help file to remove obsolete text. [build 7000]
BLTH02257423	BtwSerialBus GPIO id trace fixes [build 7010]
BLTH02272715	Add new ACPI IDs for 43241 B4 - BCM2E3E- 32bit. [build 7010]
BLTH02246960	Bug in btwserialbus INX causes ChkInf failure. [build 7010]
BLTH02292350	Change 43241 FW hcd files to new releases – DEV packages. [build 7010]
BLTH02246879	Add new ACPI IDs for 43241 B4 - BCM2E53- 32bit – DEV. [build 7010]
BLTH02303917	Add new ACPI IDs for 43241 B4 - BCM2E4F & 2E42 - 32bit. [build 7010]
BLTH02305677	Support for first 4324 B5 project - BCM2E55- 32bit. [build 7010]
BLTH02245267	Add new ACPI ID for 43241 B4 - BCM2E50- 32bit. [build 7010]
BLTH02259152	Change FW for 43241 B4 BCM2E47 - 64bit. [build 7010]
BLTH02212791	Add new ACPI IDs for 43241 B4 - BCM2E3B- 32bit. [build 7010]
BLTH02243266	Add new ACPI IDs for 43241 B4 - BCM2E3C- 32bit. [build 7010]
BLTH02307387	Update 21E8 device FW. [build 7010]
BLTH02327035	Please change device BCM2E0B to use Pinole_Shutdown2.NT.AddReg. [build 7030]
BLTH02338873	Add new ACPI ID for 43241 B4 - BCM2E4D - 64bit - WinBlue DEV [build 7030]
BLTH02319579	Add new ACPI IDs for 43241 B4 - BCM2E38 - 32bit [build 7030]
BLTH02209062	BSOD caused by btwserialbus [build 7100]
BLTH02327035	Please change device BCM2E0B to use Pinole_Shutdown2.NT.AddReg. [build 7100]
BLTH02420443	Change 43241 FW hcd files to new releases baseline 96.0000. [build 7401]

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Issues Fixed – Windows 8.1

BLTH02205424	Add new ACPI IDs for 43241 B4 project into BTW 12 - BCM2E4A - 32bit - DEV package. [build 6600]
BLTH02225090	Add new ACPI IDs for AMD 43241 B4 -BCM2E36 - 64bit – DEV. [build 6900]
BLTH02221774	Add new ACPI IDs for 43241 B4 - BCM2E3B- 32bit - DEV package. [build 6900]
BLTH02229649	Create parallel installers for -dev and WinBlue driver packages. [build 6900]
BLTH02243266	Add new ACPI IDs for 43241 B4 - BCM2E3C – 32bit. [build 6902]
BLTH02257329	Add new ACPI IDs for 43241 B4 - BCM2E3D – 32bit. [build 6907]
BLTH02272715	Add new ACPI IDs for 43241 B4 - BCM2E3E – 32bit. [build 6908]
BLTH02289999	Add new ACPI IDs for 43241 B4 - BCM2E3F – 32 bit. [build 6909]
BLTH02305496	Replace BRCM and expired test signed CAT files from 12.0.0.6909 with new test signed. [build 6910]
BLTH02307387	Update 21E8 device FW. [build 6910]
BLTH02303917	Add new ACPI IDs for 43241 B4 - BCM2E4F & 2E42 – 32bit. [build 6911]
BLTH02305677	Add new ACPI IDs for 4324 B5 project - BCM2E55- 32bit. [build 6911]
BLTH02257423	BtwSerialBus GPIO id trace fixes [build 7010]
BLTH02272715	Add new ACPI IDs for 43241 B4 - BCM2E3E- 32bit. [build 7010]
BLTH02246960	Bug in btwserialbus INX causes ChkInf failure. [build 7010]
BLTH02292350	Change 43241 FW hcd files to new releases – DEV packages. [build 7010]
BLTH02246879	Add new ACPI IDs for 43241 B4 - BCM2E53- 32bit – DEV. [build 7010]
BLTH02303917	Add new ACPI IDs for 43241 B4 - BCM2E4F & 2E42 - 32bit. [build 7010]
BLTH02305677	Support for first 4324 B5 project - BCM2E55- 32bit. [build 7010]
BLTH02245267	Add new ACPI ID for 43241 B4 - BCM2E50- 32bit. [build 7010]
BLTH02259152	Change FW for 43241 B4 BCM2E47 - 64bit. [build 7010]
BLTH02209062	BSOD caused by btwserialbus. [build 7010]
BLTH02212791	Add new ACPI IDs for 43241 B4 - BCM2E3B- 32bit. [build 7010]
BLTH02243266	Add new ACPI IDs for 43241 B4 - BCM2E3C- 32bit. [build 7010]
BLTH02307387	Update 21E8 device FW. [build 7010]
BLTH02338873	Add new ACPI ID for 43241 B4 - BCM2E4D - 64bit - WinBlue DEV [build 7030]
BLTH02319579	Add new ACPI IDs for 43241 B4 - BCM2E38 - 32bit [build 7030]

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BLTH02417340	Add new ACPI IDs for 43241 B4 - BCM2E43- 32bit - WinBlue [build 7402]
BLTH02420539	Change 43241 FW hcd files to new releases baseline 96.0000 for more devices [build 7401]
BLTH02417340	Add new ACPI IDs for 43241 B4 - BCM2E43- 32bit - WinBlue [build 7402]
BLTH02420539	Change 43241 FW hcd files to new releases baseline 96.0000 for more devices [build 7402]
BLTH02445381	Add new ACPI IDs for 43241 B4 - BCM2E45- 32bit - Win8.1 WHCK [build 7550]
BLTH02423888	Add new ACPI IDs for 43241 B4 - BCM2E44- 32bit - Win8.1 WHCK [build 7550]
BLTH02423806	Add new ACPI IDs for 43241 B4 - BCM2E37- 64bit - Win8.1 WHCK [build 7550]
BLTH02409228	4330 x86 UART driver for Win8.1 [build 7600]

Driver Signing Report

The driver signing report for the UART drivers for the Windows 8.1 platform are shown below.

Folder: BTW 12.0.0.7800_***/Win32/

Driver:	Signed?	Signature:	Valid?	SubmissionID:	Version:	OS list:
btwserialbus-x86.cat	Yes	WHQL	Yes	1600061	12.0.0.7600	Win 8 WinNext
--> btwserialbus.sys					12.0.0.7010	
--> btwradioswitch.dll					12.0.0.7010	
--> btwdi.dll					12.0.0.7030	
--> btwampfl.sys					12.0.0.7403	
--> btwrsupportservice.exe					12.0.0.7600	

Folder: BTW 12.0.0.7800_***/Win64/

Driver:	Signed?	Signature:	Valid?	SubmissionID:	Version:	OS list:
btwserialbus-x64.cat	Yes	WHQL	Yes	1600065	12.0.0.7600	Win 8 WinNext
--> btwserialbus.sys					12.0.0.7010	
--> btwradioswitch.dll					12.0.0.7010	
--> btwdi.dll					12.0.0.7030	
--> btwampfl.sys					12.0.0.7403	
--> btwrsupportservice.exe					12.0.0.7600	

BTW12 UART Driver Package Installation Procedure

1. On a machine with Windows 8 installed, double click on the“Setup.exe” that is available in the unzipped directory. This will automatically install the UART drivers.
- 2.If the driver installer is not available, then driver updates would have to be performed manually.