

# BTW 12.0.1.710 UART Driver Package



## BTW 12.0.1.710 Windows 8.1 and Win Next UART Driver Package

### Release Notes

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# BTW 12.0.1.710 UART Driver Package

## INTRODUCTION

This software package consists of the BTW12 build 12.0.1.710 software drivers that can be installed On **Intel x86 & x64 UART** platforms.

The software has been tested on Windows 8.1 and Win Next UART platforms.

This release of BTW12 contains drivers for the Intel x64 (64 bit) & x86 (32 bit) UART platforms that have passed WHCK tests

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## BTW 12.0.1.710 UART Driver Package

### Issues Fixed – Windows 8.1/Win Next

Defect ID	Description
BLTH03472870	MSI UART + USB driver installer only installs USB, not UART[710]
BLTH03472111	Add new ACPI IDs for 43341B0 - BCM2E95/BCM2E96 32 & 64bit - HLK[700]
BLTH03471444	Enable HCI Extension for 4356 UART 2E7B device, x86/x64[700]
BLTH03470895	HCI Extensions Configuration for the BT UART Driver[700]
BLTH03472099	FW change for 4356A2 UART device 2E7E - 32/64 bit - win8/8.1/win10 - DUA[700]
BLTH03470278	move 4356A2 UART device BCM2E81 from DEV to WHCK package for DUA - 32/64 bit - win8/8.1/win10 - DUA[700]
BLTH03472381	Install WLAN driver with BT drivers[700]
BLTH03471762	FW change for 4356A2 UART device 2E78 - 32/64 bit - win8/8.1/win10 – DUA[695]
BLTH03471304	Add Win10 Logo signed 43241 x64 and 43341 x86 devices from initial submission and DUAs[690]
BLTH03470907	FW change for 4356A2 UART device - 32/64 bit - win8/8.1/win10 – WHCK[690]
BLTH03471292	driver update for btwaudio[690]
BLTH03470924	drivers update for btwavdt, btwrchid and btwl2cap[690]
BLTH03466483	Win10 device sections and populated with first submission devices[680]
BLTH03465976	new project 4343A0 - 32 & 64 bit - win8/win8.1 DEV[600]
BLTH03464451	new project 4356A2 - BCM2E93 - 32bit & 64bit -win8/win8.1/Win10 DUA[600]
BLTH03457942	J92s BtwSerialBus driver adaptation[590]
BLTH03462262	Fix install issue[590]
BLTH03463221	BTW file transfer authorization dialog[590]
BLTH03463959	Music stops streaming while OPP or FTP file transfer is initiated. [590]
BLTH03460357	Added new ACPI IDs for 4330B1 - BCM2E8D- 32/64bit win8/win8.1 WHCK[580]
BLTH03460364	Add new ACPI IDs for 4330B1 - BCM2E8E- 32/64bit win8/win8.1 WHCK[580]
BLTH03461468	Use Obex over RFCOMM when audio is connected[580]
BLTH03457850	Add new ACPI ID for 43241 - BCM2E92 32/64-bit WHCK [530]
BLTH03458575	Add new ACPI IDs for 4330B1 - BCM2E8B- 32/64bit win8/win8.1 WHCK[530]
BLTH03458028	Enable ACPI ID "2E5B" for x64 of BTW12 - Win8.1WHCK (x86/x64) [530]
BLTH03456770	Driver update for .310 btwavdt[1450]
BLTH03456415	Unable to install on Win10[1400]
BLTH03452630	Memory leak in btwavdt.sys when performing A2DP Sink) [1310]
BLTH03408640	Unable to connect "Play audio stored on other computer through my computer"(AV sink) [1310]
BLTH03449608	Added DRM signature attribute qualifications to INF file[1300]
BLTH03448807	Both sink and source is connected after reboot[1300]
BLTH03446162	Add code to allow BTWAudio to receive DRM protected audio[1300]
BLTH03356369	L2CAP Disconnect Indication at Dispatch IRQ causes Verifier[1300]
BLTH03451042	Fix DRM support for BTW[1300]
BLTH03445540	Add code to allow BTWAudio to receive DRM protected audio[1300]
BLTH03453211	FW change for 4356A2 UART device - 64 bit - win8/8.1 - DUA[1300]
BLTH03449625	Added 4356 family devices to 32 bit WHCK driver package[1290]
BLTH03450844	Generic 4350zae device - 0A5C/6411 - 32bit & 64bit - win8/win8.1 DEV[1290]
BLTH03449634	WHCK driver package for all 4356A2 devices - 64 bit - win8/8.1 - DUA[1290]
BLTH03451238	Updated 2E7B 32 and 64 bit to new FW baseline 0049[1290]
BLTH03450775	Added ACPI IDs for 4356A2 - BCM2E8A- 32/64bit win8/win8.1 DEV package[1290]
BLTH03379804	change btwserialbus.sys to have 4343 firmware launch work-around[1280]

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BLTH03423645	Allow for configuration of the default BtwSerialBus baud rate[1280]
BLTH03379809	replace the old INF flag "delay200ms" with "PostLaunchDelayMs" for 2E74, 2E75 & 2E80[1280]
BLTH03375967	new project 4350- BCM2E7C - 32bit & 64bit - win8/win8.1 DEV[1280]
BLTH03449356	Added support for new 43341 device[1280]
BLTH03449080	Need new ACPI ID 2E89 to be added in BTW12 for BCM4343A0 - Win8.1 -DEV (x86/x64) [1280]
BLTH03442557	Change FW for 4343A0 devices for ETSI spec - 32 & 64 bit - win8/win8.1 DEV[1280]
BLTH03437370	Please implement BtRegisterCallback function in BT Driver for LTE Coex usage[1255]
BLTH03449625	Added 4356 family devices to 32 bit WHCK driver package[1290]
BLTH03450844	Generic 4350zae device - 0A5C/6411 - 32bit & 64bit - win8/win8.1 DEV[1290]
BLTH03449634	WHCK driver package for all 4356A2 devices - 64 bit - win8/8.1 - DUA[1290]
BLTH03451238	Updated 2E7B 32 and 64 bit to new FW baseline 0049[1290]
BLTH03450775	Added ACPI IDs for 4356A2 - BCM2E8A- 32/64bit win8/win8.1 DEV package[1290]
BLTH03379804	change btwserialbus.sys to have 4343 firmware launch work-around[1280]
BLTH03423645	Allow for configuration of the default BtwSerialBus baud rate[1280]
BLTH03379809	replace the old INF flag "delay200ms" with "PostLaunchDelayMs" for 2E74, 2E75 & 2E80[1280]
BLTH03375967	new project 4350- BCM2E7C - 32bit & 64bit - win8/win8.1 DEV[1280]
BLTH03449356	Added support for new 43341 device[1280]
BLTH03449080	Need new ACPI ID 2E89 to be added in BTW12 for BCM4343A0 - Win8.1 -DEV (x86/x64) [1280]
BLTH03442557	Change FW for 4343A0 devices for ETSI spec - 32 & 64 bit - win8/win8.1 DEV[1280]
BLTH03437370	Please implement BtRegisterCallback function in BT Driver for LTE Coex usage[1255]
BLTH03446083	Add new ACPI IDs for 4356A2 - BCM2E87- 32/64bit win8/win8.1 DEV WHCK[1250]
BLTH03442134	change FW for 4356 to fix LE unflatness problem in CSP828282 - 32 & 64 bit - win8/8.1 WHCK[1210]
BLTH03442134	change FW for 4356 to fix LE unflatness problem in CSP828282 - 32 & 64 bit - win8/8.1 WHCK[1210]
BLTH03441375	change 43241 FW from 130.158 to 130.161 for HW ID BCM2E84-WHCK[1200]
BLTH03438328	No secure pairing PIN pops up when send a file to remote side before pairing[1160]
BLTH03439052	Add new ACPI IDs for 43241 B4 - BCM2E86- 32/64bit win8/win8.1 WHCK[1160]
BLTH03439416	Change FW for all 43341B0 devices - win8/win8.1 - 32/64bit - WHCK[1160]
BLTH03439608	Codec Wrapper INF file should not contain coinstaller information for Win8[1160]
BLTH03438715	change FW for 4356 device to add ETSI support - 32 & 64 bit - win8/8.1 DEV[1160]
BLTH03439141	Drivers updated for BTW12 btwaudio, btwavdt and btwrchid. [1150]
BLTH03238641	Software Off/On fails to work as expected on source side while streaming music. . [1150]
BLTH03408710	change FW for 4356 device to fix OTP BDADDR bug win8/8.1 DEV[ build 9980]
BLTH03410358	Update 2E84 43241 device to 130.0158 FW - WHCK 32/64[ build 9970]
BLTH03395415	Signed driver for x64 UART[ build 9960]
BLTH03352331	New ACPI IDs for 43241 B4 - BCM2E85- 32/64bit win8/win8.1 WHCK[ build 9955]
BLTH03340631	New ACPI IDs for 43241 B4 - BCM2E84- 32/64bit[ build 9950]
BLTH03338554	New ACPI ID 2E83 to be added in BTW12 BCM4330B1[ build 9950]
BLTH03352255	4356 device IDs 2E81 and 2E82 need 4356 FW, not 4354 [ build 9950]
BLTH03340515	Device ID 2E7B with changed settings and FW to match 2E78 [ build 9910]
BLTH03323032	New project 4356A2 - BCM2E81 and BCM2E82 - 32bit & 64bit - win8/win8.1 DEV[ build 9990]
BLTH03322906	New project 4356A2 - BCM2E78 - 32bit & 64bit - win8/win8.1 DEV[ build 9990]
BLTH03307449	Move 43241 B4 - BCM2E7F - 32bit & 64bit - from -DEV package to win8/win8.1 WHCK package[ build 9990]

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BLTH03316662	SYS and INF change for device 2E74 & 2E75[ build 9895]
BLTH03301300	Add new ACPI IDs for 4330 - BCM2E7A- 32bit win8/win8.1 WHCK[ build 9890]
BLTH03307435	ACPI ID for 43241 B4 - BCM2E7F -32bit & 64bit - win8/win8.1 DEV[ build 9890]
BLTH03303541	new project 4356A2 - BCM2E7D - 32bit & 64bit - win8/win8.1 DEV[ build 9890]
BLTH03299437	Change 43341 FW from 122.146 to 122.164 for HW ID BCM2E76[ build 9880]
BLTH03299441	Add new ACPI IDs for 43241 B4 - BCM2E79- 32/64bit win8/win8.1 WHCK[ build 9880]
BLTH03301416	Change FW and registry for 2E74 & 2E75 - 32 & 64 bit - win8/win8.1 DEV[ build 9880]
BLTH03303441	Driver update for btwserialbus and bcbtums files
BLTH03301383	Driver update for btwserialbus[ build 9870]
BLTH03273413	Add new ACPI IDs for HP 43241 B4 - BCM2E77 - 32bit & 64bit - win8.1[ build 9860]
BLTH03255417	Add new ACPI IDs for 43341B0 - BCM2E72 32 & 64bit -WHCK[ build 9870]
BLTH03178735	ACPI ID for 43341B0 - BCM2E70 32/64bit-win8/win8.1 WHCK[ build 9830]
BLTH03178655	ACPI IDs for 43438 BCM2E74/2E75- 32/64bit- DEV package[ build 9830]
BLTH03178840	43340 (AKA 43341B0) device BCM2E60 - Win8/8.1[ build 9830]
BLTH03125328	Added FW back for ACPI ID 2E3A[ build 9820]
BLTH03146253	Added new ACPI ID BCM2E73 to BTW for BCM43341B0[ build 9820]
BLTH03097994	Updated FW for WinPhone package[ build 9810]
BLTH03097935	Add new ACPI ID for 43341B0 - BCM2E70 32-bit – DEV [ build 9760]
BLTH03097935	Add new ACPI ID for 43341B0 - BCM2E70 32-bit – DEV [ build 9760]
BLTH03084795	43340 (AKA 43341B0) - BCM2E6F - Win8/8.1 WHCK DUA - 32bit[ build 9750]
BLTH03080619	Changed 43241 FW from 130.149 to 130.150 for HW ID BCM2E71[ build 9750]
BLTH03080621	Add new ACPI IDs for 43341B0 - BCM2E72 32 & 64bit -WHCK[ build 9750]
BLTH03065889	Add new ACPI IDs for 43241 B4 - BCM2E71- 32/64bit - win8/win8.1 WHCK[build 9700]
BLTH03067961	Fix bad UART DEV package entry for 2E70 device[build 9700]
BLTH03047487	Add new ACPI ID for 43341B0 - BCM2E70 64-bit -DEV[build 9690]
BLTH03047397	Comment out 43341 IDs in X64 btwserialbus.inx file win8 and win8.1 WHCK[build 9690]
BLTH03044654	Stress S3/CB , system occur BSOD : 0x51[build 9680]
BLTH03045348	Project 43340 (AKA 43341B0) - BCM2E6F- Win8/8.1 DEV - 32bit [build 9680]
BLTH03043534	btwserialbus PDB files overwritten by stripped version [build 9680]
BLTH03042459	Add ACPI IDs for 43241 B4 - BCM2E58- x64 -win8/win8.1 WHCK[build 9650]
BLTH03042468	Add new ACPI IDs for 43241 B4 - BCM2E6B- 32/64bit- win8/win8.1 WHCK[build 9650]
BLTH02677729	BT UART driver UEFI BD address storage[build 9650]
BLTH03043327	New project 43341- BCM2E60 - 32bit & 64bit -win8/win8.1 DEV[build 9650]
BLTH03043124	Change FW for ACPI\BCM2E5B to BtwSerialBus.inf reduce TX power 6dB - Win8/8.1 WHCK[build 9650]
BLTH03043606	43340 BT Win8.1 UART driver for Asus[build 9650]
BLTH02292915	Wi-Fi Display App update[build 9600]
BLTH02839616	Add new ACPI IDs for 4324 B5 - BCM2E5F - 64bit -Win8/8.1 WHCK[build 9590]
BLTH02745081	extend BCM2E55 to use for both x86 and x64 - WHCK[build 9590]
BLTH03007794	Add ACPI IDs for 43241 B4 - BCM2E39- x64 -win8/win8.1 WHCK[build 9580]
BLTH02992975	Add new ACPI IDs for 43241 B4 - BCM2E69 32bit -win8.1 WHCK[build 9580]
BLTH02978180	New project 4334B0 - BCM2E68 - ARM - Windows Embedded 8/8.1 DEV[build 9560]
BLTH02986899	driver update for btwaudio, btwavdt and btwrchid[build 9550]
BLTH02970668	Change FW and registry for 43340/43341 device 2E60- 32 & 64 bit - win8/win8.1 DEV
BLTH02970679	drivers update for bcbtums and btwserialbus[build 9400]
BLTH02970670	drivers update for btwaudio, btwavdt and btwrchid[build 9400]
BLTH02938609	Added new ACPI IDs for 43341B0 - BCM2E65/2E66 32 & 64bit – DEV[build 9380]

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BLTH02956153	wrong settings in inf for 2E55 and 2E5F - 64bit DEV[build 9380]
BLTH02876384	File is overwritten without warning when same name file is received[build 9380]
BLTH02919515	Audio/image/video file cannot be received by another user[build 9380]
BLTH02938798	Added WHCK signed x86 UART from 9360 build. [9370]
BLTH02921339	Instal remote control HID driver on demand[build 9350]
BLTH02887678	Spy should try BTWAMPFL after USB or UART transport drivers[build 9200]
BLTH02868238	change 43241 FW from 130.139 to 130.143[build 9190]
BLTH02507333	Audio breaks when BTW acts as A2DP sink-when browsing internet over Wifi [build 9180]
BLTH02837667	Proximity reconnection does not work with UART system[build 9180]
BLTH02866218	Add new ACPI IDs 43241 B4 - BCM2E62 - 32bit & 64bit WHCK [build 9180]
BLTH02850176	Add new ACPI IDs for 43241 B4 - BCM2E48- 64bit - WHCK [build 9180]
BLTH02866257	BTW 12 Test signed package for BCM2E1D with A2DP Sink Fix [build 9180]
BLTH02866303	Add new ACPI IDs for 43241 B4 - BCM2E63 32 & 64bit WHCK[build 9180]
BLTH02839632	Add new ACPI IDs for 4324 B5 - BCM2E5F - 64bit[build 9170]
BLTH02837597	Reboot directive for BtwSerilBus.inf[build 9170]
BLTH02818748	Add new ACPI IDs for 43241 B4 - BCM2E5D - x64 -win8/win8.1WHCK [build 9140]
BLTH02822624	Add new ACPI IDs for 43241 B4 - BCM2E5E- x86 -win8/win8.1 WHCK [build 9140]
BLTH02779743	Add ACPIIDBCM2E5C to btwserialbus.inf fileWin8/Win8.1 x86 for 43241B4[build 9140]
BLTH02822618	Installation wizard gives error for driver installer on x86 UART [build 9140]
BLTH02713727	Force to end task via taskkill[build 9100]
BLTH02746856	Reboot directive for BtwSerilBus.inf[build 9095]
BLTH02616766	BT Headset/Speaker will auto disconnect after system resume from sleep[build 9095]
BLTH02747086	Add new ACPI IDs for 43241 B4 - BCM2E5B- x86 - win8/win8.1 WHCK[build 9090]
BLTH02729431	Add new ACPI IDs for 43241 B4 - BCM2E61- 32/64bit WHCK build 9090]
BLTH02756947	extend BCM2E55 to use for both x86 and x64 -DEV[build 9090]
BLTH02745193	change 43241 FW to new baseline 130.0000[build 9090]
BLTH02745131	Add new ACPI IDs for 43241 B4 - BCM2E5A - 32bit & 64bit - Win8/8.1 WHCK[build 9090]
BLTH02725533	Signed files x86 uart[build 9072]
BLTH02708124	Add new project 43162 NGFF into BTW - VID/PID = 0930/0229[build 9060]
BLTH02704802	Need VID/PID to be added in BTW12 bcbtums driver for 43162 NGFF combo module[build 9060]
BLTH02683204	Error in BCM2E55 device baud rate configuration [build 9000]
BLTH02676131	Change FW HCD file for 4324B5 device BCM2E55 [build 9000]
BLTH02631755	Add new ACPI IDs for 43241 B4 - BCM2E59 - 32bit - Win8 WHCK [build 9000]
BLTH02629831	Uninstall after OS upgrade[build 9000]
BLTH02616754	Move 4324B5 device BCM2E55 from DEV package to WHCK package [build 9000]
BLTH02596831	Add new ACPI IDs for 43241 B4 - BCM2E58- 32bit - Win8/Win8.1 WHCK [build 9000]
BLTH02538488	Tablet BSOD/hang-up during pairing with Verifier-enabled [build 8040]
BLTH02558057	Add new ACPI IDs for 43241 B4 - BCM2E57 - 32bit [build 8020]
BLTH02558017	Add 2E3A device to x64 UART driver [build 8020]
BLTH02538524	Change 43241 FW for all devices due to a mouse issue fix [build 8010]
BLTH02528379	Please update 4324B5 FW (BCM2E55) in btwserialbus-dev.inf for Win8 and Win8.1 [build 7910]
BLTH02530222	Change PCMSyncMode setting to 1 for 2E37 device ID [build 7900]

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BLTH02486822	BTW 12 UART: Add new ACPI IDs for 43241 B4 - BCM2E56- 64bit - win8/win8.1 WHCK [build 7900]
BLTH02470187	BTW 12 UART: Add new ACPI IDs for 43241 B4 - BCM2E48- 32bit - win8.1 WHCK [build 7900]
BLTH02526197	BtwSerialBus fails to start at reboot [build 7900]
BLTH02513564	WHCK test fails with BTW installed on Harrisbeach [build 7850]
BLTH02500527	UART BT Radio Disable Hangs [build 7850]
BLTH02488782	Microsoft Bug 448845 [BYT] [WHCK] Bluetooth errors during WHCK test Connected Standby Stress and Driver Verifier's Concurrency Stress [build 7850]
BLTH02469975	Broadcom CSP # 687023 - [HSW] Disable UART controller takes too much time (~4 minutes) [build 7850]
BLTH02409228	4330 x86 UART driver for Win8.1 [build 7600]
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]
BLTH02420539	Change 43241 FW hcd files to new releases baseline 96.0000 for more devices [build 7402]
BLTH02417340	Add new ACPI IDs for 43241 B4 - BCM2E43- 32bit - WinBlue [build 7402]
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]
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]
BLTH02307387	Update 21E8 device FW. [build 7010]
BLTH02303917	Add new ACPI IDs for 43241 B4 - BCM2E4F & 2E42 - 32bit. [build 7010]
BLTH02292350	Change 43241 FW hcd files to new releases – DEV packages. [build 7010]
BLTH02272715	Add new ACPI IDs for 43241 B4 - BCM2E3E- 32bit. [build 7010]
BLTH02259152	Change FW for 43241 B4 BCM2E47 - 64bit. [build 7010]
BLTH02257423	BtwSerialBus GPIO id trace fixes [build 7010]
BLTH02305677	Support for first 4324 B5 project - BCM2E55- 32bit. [build 7010]
BLTH02246960	Bug in btwserialbus INX causes ChkInf failure. [build 7010]
BLTH02246879	Add new ACPI IDs for 43241 B4 - BCM2E53- 32bit – DEV. [build 7010]
BLTH02243266	Add new ACPI IDs for 43241 B4 - BCM2E3C- 32bit. [build 7010]
BLTH02212791	Add new ACPI IDs for 43241 B4 - BCM2E3B- 32bit. [build 7010]
BLTH02209062	BSOD caused by btwserialbus. [build 7010]
BLTH02245267	Add new ACPI ID for 43241 B4 - BCM2E50- 32bit. [build 7010]
BLTH02305677	Add new ACPI IDs for 4324 B5 project - BCM2E55- 32bit. [build 6911]
BLTH02303917	Add new ACPI IDs for 43241 B4 - BCM2E4F & 2E42 – 32bit. [build 6911]
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]
BLTH02289999	Add new ACPI IDs for 43241 B4 - BCM2E3F – 32 bit. [build 6909]
BLTH02272715	Add new ACPI IDs for 43241 B4 - BCM2E3E – 32bit. [build 6908]
BLTH02257329	Add new ACPI IDs for 43241 B4 - BCM2E3D – 32bit. [build 6907]
BLTH02243266	Add new ACPI IDs for 43241 B4 - BCM2E3C – 32bit. [build 6902]
BLTH02229649	Create parallel installers for -dev and WinBlue driver packages. [build 6900]
BLTH02225090	Add new ACPI IDs for AMD 43241 B4 -BCM2E36 - 64bit – DEV. [build 6900]

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BLTH02221774	Add new ACPI IDs for 43241 B4 - BCM2E3B- 32bit - DEV package. [build 6900]
BLTH02205424	Add new ACPI IDs for 43241 B4 project into BTW 12 - BCM2E4A - 32bit - DEV package. [build 6600]

### Driver Signing Report

The driver signing report for the UART drivers in this release package is shown below.

Folder: BTW 12.0.1.710\_\*\*\*/Win32/

Driver:	Signed?	Signature:	Valid?	Submission ID:	Version:	OS list:
btwserialbus-x86.cat	Yes	WHQL	Yes	1741401	12.0.1.702	Win8.1 Win10
--> btwserialbus.sys					12.0.1.700	
--> btwampfl.sys					12.0.1.410	
--> btwrsupportservice.exe					12.0.0.8048	
--> btwradioswitch.dll					12.0.1.700	
--> btwdi.dll					12.0.0.7030	

Folder: BTW 12.0.1.710\_\*\*\*/Win64/

Driver:	Signed?	Signature:	Valid?	Submission ID:	Version:	OS list:
btwserialbus-x64.cat	Yes	WHQL	Yes	1741403	12.0.1.702	Win8.1 Win10
--> btwserialbus.sys					12.0.1.700	
--> btwampfl.sys					12.0.1.410	
--> btwrsupportservice.exe					12.0.0.8048	
--> btwradioswitch.dll					12.0.1.700	
--> btwdi.dll					12.0.0.7030	