

**TOSHIBA**

Release Note
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**Bluetooth® Stack for Windows® by TOSHIBA**

Version 9.10.01

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## 2. SPECIFICATION

<b>Supported Languages</b>	Chinese(Traditional) Chinese(Simplified) Danish Dutch English French Finnish German Greek Italian Japanese Korean Norwegian Polish Portuguese Portuguese(Brazil) Russian(see Section 9. Notes) Spanish Swedish
<b>Supported OS</b>	Windows 8 Windows 8 Pro Windows 8 Enterprise Windows 7 Starter Windows 7 Home Basic Windows 7 Home Premium Windows 7 Professional Windows7 Enterprise Windows 7 Ultimate Windows Vista Starter Edition Windows Vista Home Basic Windows Vista Home Premium Windows Vista Ultimate Windows Vista Business Windows Vista Enterprise Windows Vista Business x64 Windows Vista Enterprise x64 Windows Vista Home Basic x64 Windows Vista Home Premium x64 Windows Vista Ultimate x64 Windows XP Professional Windows XP Home Edition Windows XP Media Center Edition Windows XP Tablet PC Edition Windows XP Professional x64 Edition
<b>Bluetooth Specification</b>	Version 2.0 + EDR Version 2.1 + EDR -Secure Simple Pairing (SSP) -Link Supervision Timeout Changed Event (LSTO) -Extended Inquiry Response (EIR) -Encryption Pause/Resume (EPR) -Sniff Subrating (SSR)

	-Erroneous Data (ED): Not supported. -Non-Flushable Packet Boundary Flag (PBF): Not supported. Version 3.0+HS Version 4.0+HS
<b>Profiles/Protocols</b>	A2DP-Sink A2DP-Source AVCTP AVDTP AVRCP-Target BIP-ImagePush BIP-RemCam BNEP DUN-DT Fax-DT FT-Client FT-Server GAP GAVDP Generic Object Exchange HandsFree-AG(1.0) HCRP-Client(1.2) Headset-AG HID-Host OPP-Client OPP-Server PAN-Group PAN-User SDAP SDP Serial-DevA Serial-DevB HDP PXP TIP FMP
<b>Module (HS)</b>	Atheros, Realtek (for other module, upon customer's request)
<b>Installer</b>	Install Shield 12, Microsoft Installer base(msi)
<b>Interface</b>	USB1.1/USB2.0/USB3.0
<b>WHQL Logo</b>	Driver – Yes(Unclassified,audio(Windows7 only)) Windows 7 Software LOGO – Yes
<b>WHCK Logo</b>	Windows driver Logo–Yes (Windows 8)
<b>Bluetooth Logo</b>	Qualified Design ID: B019007 (PRD2.0 Host Subsystem)
<b>Continua Logo</b>	0000036
<b>License key</b>	Necessary
<b>Utilities</b>	Auto Registration (HID devices) Bluetooth Information Exchanger (BIE) Bluetooth Local COM Bluetooth Settings COM ReConnection Remote Camera VoIP Utility (Skype application supported) Wireless File Transfer BT Security Export(/Import)

	IT Security Feature (IT Admin) Bluetooth Assistant HDP Database Application (HDP DB)
<b>AVRCP support applications</b>	-Windows Media Player: Version9-12 XP:10, Vista:11, Windows7:12, Windows8:12 -iTunes: V10.6.3.25 -others

### 3. Utilities description

Utilities	Description
Bluetooth Settings	Device registration, connect, and disconnect.
Wireless FTP	The plural files to be sent to remote devices by using this utility. Auto distinction of OPP, FTP, BIP.
Remote Camera	Receive images from BIP/Remote Camera function supported device.
Bluetooth Information Exchanger(BIE)	Add-in to explorer. After send/receive file, you can browse folder, and exchange vCard.
Auto Setup	Utility to drivers install, setting parameters automatically. It works as a part of installer.
VoIP Utility	Enable to use Hands-Free device with Skype.
Automatic Registration	Enables HID device to be registered automatically when user log-on.
ComReConnect	COM ports are Re-Connected automatically.
Bluetooth LOGO Test Tool	PTS Test Tool(embedded) HCI, L2CAP, SDP, and others(only for LOGO)
IT Security Feature	Security settings for IT administrator.
Bluetooth Assistant	Automatic search/register the device with Super Express Mode.
HDP Database Application (HDP DB)	Receives data from Healthcare Devices and outputs data as CSV/XML format files.

### 4. Function description

Items	Description
Outlook Addin	Addin to enable sending vCard from Outlook. For x32 OS, and Outlook 2003.
AFH Support	To avoid Wi-Fi channel which duplicate with Bluetooth channel, and try to protect Bluetooth communication channel.
Wake on BT	For PC or Bluetooth module which support USB wake up. (For Windows XP or over.)
Selective Suspend	For PC or Bluetooth module which support USB wake up. (For Windows XP or over.)
Keyboard Utility	When Bluetooth Keyboard is registered, the status of keyboard is displayed.
FUS support	Automatically switch Bluetooth access right to active user.
Dynamic Language	Automatically switch language dynamically by watching the OS

Selection	language. (include Help files)
Software Virtual Power Management	Bluetooth ON/OFF emulation utility for power uncontrollable device such as USB adapter.
Enhanced IT Security Management	Function to enable to control on Bluetooth function to limited users. Security settings, remote maintenance, and control functions to limited users by IT Manager.
Windows Media Player Plug-in	Plug-in to Windows Media Player to transfer META data. (V6.30 or later)
Connect Just Once	To ensure to keep the security by connecting with easy mode. User can choose if they keep the link key or not after connecting to the device.
High Speed	Switch to High-Speed (Wi-Fi) for file transfers using OBEX and PAN profiles, if supported by the system.

## 5. COM ports assignment rule

Toshiba stack assigns COM ports avoiding preoccupied COM ports by following rules as next.

- 1) SPP (Installation) default: COM6, COM7
- 2) OBEX default: COM10, COM11, COM12, COM13, COM14
- 3) HSP/HFP default: COM20, COM21, COM22
- 4) SPP/DUN: COM40

If the default COM port(s) was preoccupied, assigns following free COM port(s) instead.

## 6. INSTALLATION

Operation examples:

- 1) User Installation

Setup.exe

(Setup.exe will detect OS version of x32 or x64 and install appropriate version)

1. Start installation with "Setup.exe"
2. Proceed installation by following instructions from install wizard.
3. Insert Bluetooth USB adapter when the message appeared to prompt insert the Bluetooth device to the computer.
4. Continue the installation process.
5. Bluetooth Stack is ready to use after completion of the installation process.

- 2) Factory installation (un-attended mode. Login as administrator for installation. )

<日本語(1041.mst)の場合>

```
start /b /wait msiexec.exe /i "<fullpath>BTSwInst.msi" /qn TRANSFORMS=1041.mst
REBOOT=ReallySuppress
```

Note: Install command to start "silent install" with setup.exe.

```
start /b /wait setup.exe /w /s /v"/qn MODE=n
```

MODE(None)	Work as default.
MODE=3	Default. Keep the installation while the Bluetooth module is off.
MODE=4	Full installation. Confirm each drivers based on the Bluetooth module is on.

Install command to "silent uninstall"

```
MsiExec.exe /X{CEBB6BFB-D708-4F99-A633-BC2600E01EF6} /qn
```

X: uninstall

/qn:silent

3) Administrator installation

msiexec.exe /a "<full path>BtSwInst.msi" TRANSFORMS=<1033.mst>

4) Install when detecting the device (Option)

Setup.exe of the root folder in the install image supports hardware detection installation.

Option: /DETECT:"<HWID>"

e.g.

start /wait setup.exe /s /v/qn /DETECT:"USB\Vid\_\*\*\*\*&Pid\_\*\*\*\*"

Note:

As some files are not copied automatically, the mst file of the selected language, 'setup.exe', 'setup.ini' files need to be copied to the installed folder (which BtSwInst.msi file is in) manually for client user's installation.

The export tool is launched by the installer automatically, and administrator can edit an initialization file (tosBtUtil.ini) for customizing detail of security settings. Import feature installs this customized security settings when the client user installs it.

## 7. Parameter for language selection

TRANSFORMS=	Language
1028.mst	Chinese, Traditional
1030.mst	Danish
1031.mst	German
1032.mst	Greek
1033.mst	English
1034.mst	Spanish
1035.mst	Finnish
1036.mst	French
1040.mst	Italian
1041.mst	Japanese
1042.mst	Korean
1043.mst	Dutch
1044.mst	Norwegian
1045.mst	Polish
1046.mst	Portuguese(Brazilian)
1049.mst	Russian
1053.mst	Swedish
2053.mst	Chinese, Simplified
2070.mst	Portuguese (Portugal)

**Note:** Specified mst file must exist in the same folder as msi file.



## **8. Major update history**

### Version 9.10.01

1. Windows 8 Logo certified. (except for PAN related drivers (BNEP, NDIS))  
PAN related drivers will be loaded on demand of user. Windows 8 logos are not necessary.
2. User Guide/ Bluetooth Assistant UI  
Modified for Windows 8.

### Version 9.00.05

1. OBEX issue was fixed.  
-If the authentication dialog stayed displaying after transferring files through Wireless File Transfer, it failed to connect with remote device and cannot transfer again.  
-Fixed the file transfer rate issue.
2. Added parameter in TosBtUtl.ini. (Disable/Enable HS function)  
[Bluetooth Manager]  
DisableAlwaysHsFunc = 1 (1=disable)
3. LE device re-connection issue was fixed.  
Occasionally, the stack failed to re-connect with LE target device.
4. AlertLevel issue was fixed.  
Alert Level was not written correctly when connecting with LE device which support LinkLoss service.

### Version 9.00.00

1. Bluetooth Core Version V4.0(Low Energy) is supported.
2. Proximity Profile, Time Profile, and Find Me Profile are supported.

## **9. Notes**

The UI and help file added since V9.00.00, will be displayed in English on Russian OS.

**- End of Release Note -**