

TOSHIBA

Release Note

Bluetooth® Stack for Windows® by TOSHIBA

Version 7.10.12

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2. SPECIFICATION

Supported Languages	Chinese(Traditional) Chinese(Simplified) Danish Dutch English French Finnish German Greek Italian Japanese Korean Norwegian Polish Portuguese Portuguese(Brazil) Russian Spanish Swedish
Supported OS	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 Windows 2000 Professional Windows 7 Starter Windows 7 Home Basic Windows 7 Home Premium Windows 7 Professional Windows7 Enterprise Windows 7 Ultimate
Bluetooth Specification	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.

Profiles/Protocols	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
Installer	Install Shield 12, Microsoft Installer base(msi)
Interface	USB1.1/USB2.0
WHQL Logo	Driver – Yes(Unclassified,audio(windows7 only)) Windows 7 Software LOGO – Yes
Bluetooth Logo	Qualified Design ID: B015634(PRD2.0 Profile Subsystem) Qualified Design ID: B015633(PRD2.0 Host Subsystem)
License key	Necessary
Utilities	Auto Registration (HID devices) Bluetooth Information Exchanger (BIE) Bluetooth Local COM Bluetooth Settings COM ReConnection Remote Camera VoIP Utility (Skype application supported) -Skype: V3.1.0.147- V4.0.0.215 # For V3.6.0.216 and later, see “7.Notes”. Wireless File Transfer BT Security Export(/Import) IT Security Feature (IT Admin) Bluetooth Assistant HDP Database Application (HDP DB)

AVRCP support applications	-Windows Media Player: Version9-12 XP:10, Vista:11, Windows7:12 -iTunes: V6.0.2.23-V8.0.2.20 -others
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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 Selection	Automatically switch language dynamically by watching the OS language. (include Help files)
Software Virtual Power Management	Bluetooth ON/OFF emulation utility for power uncontrollable device such as USB adapter.
Enhanced IT Security	Function to enable to control on Bluetooth function to limited users.

Management	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.

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.)

`msiexec.exe /i "<full path>BtSwInst.msi" /qn TRANSFORMS=<1033.mst> REBOOT=ReallySuppress`

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

`start /w setup.exe /w /s /v/qn`

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 7.10.12

1. Installation process is updated.
There was a possibility of error ("!" on RFBUS driver in Device Manager).
2. Sound drivers are WLK1.5 compliant.
3. HFP/HSP issues are fixed.
If you switch the Bluetooth ON to OFF (from software/hardware), while you are connecting HFP device, Bluetooth would not be enabled again, and it also stops the OS restart and you need to force quit the system.
4. There was a possibility of the issue with Bluetooth/WLAN Combo module.
If you turn off the Bluetooth switch while SCO connecting, the Bluetooth cannot be enabled afterwards.
5. Tosrfusb.sys is updated.
There was a possibility of BSOD with Selective Suspend process.
6. On "Devices and Printers", the context menu was not displayed properly when using internal module and USB dongle at the same time.

Version 7.10.10

1. Continua certified.
2. TABTIP.exe issue is fixed.
On Windows XP Tablet Edition, if the PC was log off/shut down during connecting A2DP/HSP/HFP, or during Skype utility is working, TABTIP.exe had stopped working.
3. Device name issue is fixed.
If there was "&" in own/remote device, the device name was displayed without "&" in the cases below.
 - Tooltip on mouse over of the task tray Bluetooth icon.
 - Device list on right clicking the task tray Bluetooth icon.
 - Device list of available remote devices on Wireless File Transfer
 - Notification of audio auto connection.
 - Device name on "Details" of Bluetooth settings.
 - Right click on file/folder, and remote devices on "Send to Bluetooth".
 - File transfer of FTP/OPP/BIP, the message on file receipt timing.
4. Display issue is fixed.
When resolution was 120 dpi, the message was not fully displayed when the confirmation of file overwrite on file sending in English, Danish, Spanish and Italian language.
5. Bluetooth Information Exchanger issue is fixed.
If there were a device which has long name, the error on explorer occurred when refreshing the device list on each service by searching the devices on Bluetooth Information Exchanger.
6. Starting COM port is able to be changed by TosBtUtl.ini.
OBEX, HSP, HFP
7. Version information is changed from "2000-2009" to "2000-2010".
8. WLK 1.5 test passed except sound drivers.
9. BSOD possibility fixed.
If Selective Suspend is disabled by Device Manager or registry when using Selective Suspend enabled module, the process of Selective Suspend loops and BSOD occurred.
10. HSP/HFP sound driver was not unplugged properly when HSP/HFP device was disconnected.
11. On Windows XP Tablet Edition, sound driver for voice was not unplugged properly on shut down of the Skype utility.

Version 7.10.01

1. New application
HDP Database Application (HDP DB) is included.

<Detail>

HDP DB is the application which works with Toshiba Bluetooth Stack V7.10 and later.

It receives the healthcare data from Healthcare Devices which support Bluetooth HDP Profile, then HDP DB outputs the data as CSV/XML files.

Healthcare application on PC is able to be developed without knowing the process of HDP profile, but reading the CSV/XML data.

9. Notes

Limitations

- The Bluetooth Assistant window will be hidden when pressing [Windows] key + [Tab] key.
- On Windows7, files in a remote sub-folder cannot be transferred by drag and drop.
- On Windows7, command bar buttons remain in its previous state when [Computer]-[BIE] is selected.
They are not displayed when launching BIE directly by start menu.
- On Windows7, image files can only be transferred one file at a time.

- End of Release Note -