

TOSHIBA

Release Note

Bluetooth® Stack for Windows® by TOSHIBA

Version 5.10.08

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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 XP Professional Windows XP Home Edition Windows XP Media Center Edition Windows XP Tablet PC Edition Windows XP Professional x64 Edition Windows 2000 Professional
Bluetooth Specification	Version 2.0 + EDR
Profiles	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
Installer	Install Shield 12, Microsoft Installer base(msi)
Interface	USB
WHQL Logo	All drivers passed WHQL tests.
Bluetooth Logo	Bluetooth Identifier: B03382(PRD1.0) Qualified Design ID: B011839(PRD2.0 Profile Subsystem) Qualified Design ID: B012646(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) Wireless File Transfer

3. 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`

3) Administrator installation

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

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.

4. 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.

5. Major update history

Version 5.10.08

1. FTP file size issue at first use of BIE(Bluetooth Information Exchanger utility) is fixed.
File size of transferred file from another device by FTP was displayed as 1byte. It was appeared only first operation of BIE to receive a file.
2. QFE (KB925528, KB930568 for Windows Vista) related issue is fixed (only for Windows Vista systems)
On Windows Vista systems, Bluetooth device did not work properly after resuming from standby mode if "KB925528, KB930568" applied to the system.
3. USB driver is updated. (tosrfusb.sys)
Windows 2000 specific USB related issue is fixed.
4. HSP connection/disconnection process is updated
Windows 2000 specific HSP related issue is fixed.

Version 5.10.06

1. BIE icon issue is fixed.
-Icon (OPP, BIP and FTP) was not displayed properly in Bluetooth Information Exchanger (BIE) utility.
-Icon was not displayed in proper layout.
2. PASSKEY characters are added.
Capable characters as PASSKEY are added. "-" character and some other characters in addition to alphabetical characters become available to use in PASSKEY input.
3. Driver installer is updated (only for Windows 2000 systems).
4. HSP/HFP SCO link disconnection issue is fixed.
SCO link would be disconnected if other device requested HSP/HFP connection to PC while the PC and another device have an established HSP/HFP connection.
5. HSP/HFP registration process is updated.
Immediate HSP use after installation could cause connection failure.
6. "Express mode" registration is updated.
7. RFBUS driver is updated.
Page/Inquiry Scan mode while the PC is at S3 state is disabled. (tosrfbd.sys)
8. RFUSB driver is updated. (tosrfusb.sys)
Hi-Speed USB hub issue on Vista OS systems is fixed.
9. Scanner device registration process is updated
PASSKEY input dialogue will be displayed on the PC display during registration process of the scanner device which has specific CoD (Service Class: Capturing, Device Class: Peripheral Keyboard).
10. Japanese Help file is updated
Some errata are updated and Bluetooth trademark is updated to Bluetooth(R).
11. Start menu multi language change is updated
Program names in start menu were remained originally installed language after change the display language by selecting different language from control panel language menu.
12. FTP file size issue is updated.
Size of file pulled from other device by FTP increased by one byte due to one blank at the end of data.
13. RFHID registry is updated
RFHID registry value is updated to avoid potential issue.
14. DUN setup window focus issue is fixed
Window focus was not properly moved to appropriate window.

Version 5.10.05

1. RFUSB (tosrfusb.sys) driver is updated

Version 5.10.04

1. Internet Property settings
Registering DUN connection, "Dial-up and Virtual Private Network settings" in Internet Property settings is automatically changed to "Dial whenever a network connection is not present".

2. To avoid double loading of the driver

Driver double load causes BSOD during the heat run of S3 to S4, so the OemBtAcpiApi.dll is updated to avoid double loading of the driver.

3. Version information icon

The Bluetooth icon of version information is updated to new design.

4. Fixed Bluetooth Settings issue

In detail window of LAP registration, the detail button did not work because of using 2 byte code character in its user's name.

5. Fixed PNG 48 issue.

PNG 48 was not sent from PC to mobile phone properly.

6. Fixed Printer registration issue.

Application error occurred in Bluetooth Manager when more than one printer is registered to the Bluetooth Settings.

Version 5.10.03

1. Sound driver is updated.

Tosrfsnd.sys is updated to improve sound quality in A2DP connection.

2. RFBUS.sys and RFUSB.sys drivers are updated

"RFBUS.sys" and "RFUSB.sys" drivers are updated in order to avoid an error occurred in PnP Stress test of Microsoft provided tool, DTM.

3. Digital signature.

Digital signatures were applied to "Setup.exe" and "SetupDiU.exe" for both x32 and x64.

4. Connection/disconnection process in Bluetooth Settings is updated.

Repeated connection and disconnection operations in short period could cause an application error.

5. Operation on the Internet Explorer issue is fixed

Operation of right click to display menu on favorite window in the Internet Explorer caused slow response of Windows system.

"to Bluetooth" menu was eliminated from right click menu with favorite list items.

6. HCRP printer registration issue is fixed.

With some HCRP capable printers, removing the registered HCRP printer from Bluetooth Settings caused an application error.

Version 5.10.02

1. Installation process for Windows XP systems is updated.

Installer removes Microsoft's Bluetooth Stack drivers during Toshiba Bluetooth stack installation process on Windows XP systems.

2. "Class of Device" auto detection feature is added

"Class of Device" is automatically detected whether the system is "desktop" or "laptop".

3. A2DP/SCMS-T negotiation process is updated.

4. Drop-down menu issue is fixed. (Windows 2000)

Menu lists in Bluetooth Manager, Bluetooth Settings and AVRCP were not properly displayed on Windows Professional 2000 systems.

5. AVRCP registration process is updated (AVRCP connection remaining issue).

Disconnection timing has been adjusted to avoid remaining AVRCP connection after completion of AV device registration.

6. "to Bluetooth" menu issue is fixed.

"to Bluetooth" menu for sending files was not displayed on the right click menu which is showing up with right click on files and folders.

This issue was occurred on Windows XP series, XP professional x64 Edition and 2000 Professional when user log in as "Restricted user".

7. Sound mute issue is fixed.

In some cases, sound was "mute" at first time connection of A2DP, HSP and HFP with devices.

8. "COM Auto Connection utility" multiple COM connection issue is fixed.

"COM Auto Connection utility" was not properly automatically connecting with the device which needs multiple COM port connections.

9. Auto connect issue is fixed.

Occasionally, an error occurred during auto registration process with HID device.

Application error was occurred when HID service was not properly retrieved from the HID device.

Version 5.10.01

1. Headset connection issue is fixed

A2DP occasionally stopped after register a new stereo headset device to PC. Double click to connect the stereo headset was also not working properly.

2. LocalCOM issue is fixed (only XP systems were affected)

Occasionally accessing Bluetooth LocalCOM utility from control panel caused system error.

3. Button caption in security level setting is modified (Japanese caption only)

Button caption changed from "KITEICHI" to "RISETO" in security settings.

4. Sound driver installation is updated

Reboot request from PC system occasionally prevented Toshiba stack from completing driver installation in Windows 2000 systems.

5. Disconnection from task tray issue is fixed.

When disconnecting Bluetooth device from task tray icon, occasionally application error occurred.

6. OBEX dialog is updated.

Displayed name of target device was changed from 'BD address' to 'friendly name' which was displayed on a dialog after receiving a file from target device by OBEX function.

Version 5.10.00

1. Initial release of Version V5.10.xx

2. Added support of Window XP and 2000 in addition to Vista OS.

3. All the features are the same as V5.00.12.

6. Notes

Reboot Message

In drivers' installation, the message to reboot the system displays from the OS.
Reboot after the installation process is finished completely. (Windows2000)

Drivers only installation/ un-installation

Drivers only installation/ un-installation (ddsetup.exe) functions are not included. "Drivers only installation/ un-installation" is provided by request base.

Outlook add-in support

OUTLOOK (2003) should be executed by using "Run as Admin" mode to install this add-in.
Function is not supported on x64.

Windows Operating System Upgrade

Please uninstall the stack before upgrading the Windows Operating System, and install the stack again after upgrading.

- End of Release Note -