

**TOSHIBA**

|              |
|--------------|
| Release Note |
|--------------|

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

Version 7.10.01

- Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.
- The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by Toshiba is under license. Other trademarks and trade names are those of their respective owners.
- All other brand and product names are trademarks or registered trademarks of their respective companies.
- This product and release note is for licensed customers' use only, and not for end users' distribution.

**1. Table of contents**

**1. TABLE OF CONTENTS ..... 2**

**2. SPECIFICATION ..... 3**

**3. UTILITIES DESCRIPTION ..... 5**

**4. FUNCTION DESCRIPTION ..... 5**

**5. COM PORTS ASSIGNMENT RULE ..... 6**

**6. INSTALLATION ..... 6**

**7. PARAMETER FOR LANGUAGE SELECTION ..... 7**

**8. MAJOR UPDATE HISTORY ..... 8**

**9. NOTES ..... 8**

## 2. SPECIFICATION

|                                |   |
|--------------------------------|---|
| <b>Supported Languages</b>     | Chinese(Traditional)<br>Chinese(Simplified)<br>Danish<br>Dutch<br>English<br>French<br>Finnish<br>German<br>Greek<br>Italian<br>Japanese<br>Korean<br>Norwegian<br>Polish<br>Portuguese<br>Portuguese(Brazil)<br>Russian<br>Spanish<br>Swedish  |
| <b>Supported OS</b>            | Windows Vista Starter Edition<br>Windows Vista Home Basic<br>Windows Vista Home Premium<br>Windows Vista Ultimate<br>Windows Vista Business<br>Windows Vista Enterprise<br>Windows Vista Business x64<br>Windows Vista Enterprise x64<br>Windows Vista Home Basic x64<br>Windows Vista Home Premium x64<br>Windows Vista Ultimate x64<br>Windows XP Professional<br>Windows XP Home Edition<br>Windows XP Media Center Edition<br>Windows XP Tablet PC Edition<br>Windows XP Professional x64 Edition<br>Windows 2000 Professional<br>Windows 7 RTM version |
| <b>Bluetooth Specification</b> | Version 2.0 + EDR<br>Version 2.1 + EDR<br>-Secure Simple Pairing (SSP)<br>-Link Supervision Timeout Changed Event (LSTO)<br>-Extended Inquiry Response (EIR)<br>-Encryption Pause/Resume (EPR)<br>-Sniff Subrating (SSR)<br>-Erroneous Data (ED): Not supported.<br>-Non-Flushable Packet Boundary Flag (PBF): Not supported.   |
| <b>Profiles/Protocols</b>      | A2DP-Sink<br>A2DP-Source<br>AVCTP<br>AVDTP<br>AVRCP-Target  |

|                                   |   |
|-----------------------------------|---|
|                                   | BIP-ImagePush<br>BIP-RemCam<br>BNEP<br>DUN-DT<br>Fax-DT<br>FT-Client<br>FT-Server<br>GAP<br>GAVDP<br>Generic Object Exchange<br>HandsFree-AG(1.0)<br>HCRP-Client(1.2)<br>Headset-AG<br>HID-Host<br>OPP-Client<br>OPP-Server<br>PAN-Group<br>PAN-User<br>SDAP<br>SDP<br>Serial-DevA<br>Serial-DevB<br>HDP  |
| <b>Installer</b>                  | Install Shield 12, Microsoft Installer base(msi)  |
| <b>Interface</b>                  | USB1.1/USB2.0   |
| <b>WHQL Logo</b>                  | Driver – Yes(Unclassified,audio(windows7 only))<br>Windows 7 Software LOGO – Yes  |
| <b>Bluetooth Logo</b>             | Qualified Design ID: B015634(PRD2.0 Profile Subsystem)<br>Qualified Design ID: B015633(PRD2.0 Host Subsystem)   |
| <b>License key</b>                | Necessary   |
| <b>Utilities</b>                  | Auto Registration (HID devices)<br>Bluetooth Information Exchanger (BIE)<br>Bluetooth Local COM<br>Bluetooth Settings<br>COM ReConnection<br>Remote Camera<br>VoIP Utility (Skype application supported)<br>-Skype:<br>V3.1.0.147- V4.0.0.215<br># For V3.6.0.216 and later, see “7.Notes”.<br>Wireless File Transfer<br>BT Security Export(/Import)<br>IT Security Feature (IT Admin)<br>Bluetooth Assistant<br>HDP Database Application (HDP DB) <b>NEW</b> |
| <b>AVRCP support applications</b> | -Windows Media Player:<br>Version9-12<br>XP:10, Vista:11, Windows7:12<br>-iTunes:<br>V6.0.2.23-V8.0.2.20<br>-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.<br>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)<br>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) <b>NEW</b> | 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.<br>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 Management   | Function to enable to control on Bluetooth function to limited users.<br>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 7.10.01

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

### Windows7 capability

Tested with Windows 7 RTM version.

### 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 -