

Release Note
For
Motorola Bluetooth
Version 3.0.01.237

Notices

©2010 Motorola, Inc.
1303 East Algonquin Road
Schaumburg, IL 60196
All rights reserved
Printed in U. S. A.

Proprietary Material

Information and software in this document are proprietary to Motorola, Inc. and without the express prior permission of an officer of Motorola, Inc., may not be copied, reproduced, disclosed to others, published, or used, in whole or in part, for any purpose other than that for which it is being made available.

This document is for information purposes only and is subject to change without notice.

Information on the World Wide Web

Additional company and product information can be found on our Internet Web site at:
http://www.motorola.com/pcsolutions

1 Product Release Identification

Date:	April 27, 2010
Product Name:	Motorola Bluetooth
Classification:	Mass Production Release
Version:	3.0.01.237

The Motorola Bluetooth software is a powerhouse suite for Windows-based personal computers. Users can connect wirelessly to their PC with a variety of Bluetooth devices, such as mobile phones, ear buds, stereo headsets, smart handhelds, printers, digital cameras and more.

2 Product Release Details

The current version of Bluetooth contains the following features/modifications:

- Release Components:
  - Product Installer
- Target Platform:
  - Windows XP SP3, Vista and Windows 7, x32/x64
  - RT3090BC4 WiFi Bluetooth combo module
- Modifications/Updates:
  - Improved FTP and OPP throughput over HS link
  - OBEX 1.5 SRM supported
  - AVRCP updated for 1.4 version support
  - PAN adhock network support added
  - Skype support added

3 Product Specifications

- Bluetooth Core Interfaces:
  - Host Controller Interface (HCI) v3.0 + High Speed (HS)
  - Host Controller Interface (HCI) v2.1 + Extended Data Rate (EDR)
  - Host Controller Interface (HCI) v2.0 + Extended Data Rate (EDR)
  - Host Controller Interface (HCI) v1.2
  - Host Controller Interface (HCI) v1.1

- Bluetooth Profiles:
  - Advanced Audio Distribution Profile (A2DP) (Source/Sink)
  - A/V Remote Control Profile (AVRCP) (Target)
  - Device ID (DI)
  - Dial-Up Networking Profile (DUN) (Data Terminal)
  - Fax Profile (FAX) (Data Terminal)
  - File Transfer Profile (FTP) (Client/Server)
  - Generic Access Profile (GAP)
  - Generic A/V Distribution Profile (GAVDP) (Source)
  - Generic Object Exchange Profile (GOEP) (Client/Server)
  - Hardcopy Replacement Profile (HCRP) (Host)
  - Hands-Free Profile (HFP) (Headset, Audio Gateway)
  - Headset Profile (HSP) (Audio Gateway)
  - Human Interface Device Profile (HID) (Host)
  - Object Push Profile (OPP) (Client/Server)
  - Personal Area Network Profile (PAN) (PAN-U Client)
  - Phone Book Access Profile (PBAP) (Phone Book Client Equipment)
  - Service Discovery Application Profile (SDAP) (Client/Server)
  - Serial Port Profile (SPP) (Device A/B)
  - Synchronization Profile (SYNC) (Client)
  - Basic Imaging Profile (BIP) (Push Responder)
  - Basic Printing Profile (BPP) (Sender)

- Bluetooth Protocols:
  - Audio/Video Control Transport Protocol (AVCTP)
  - Audio/Video Distribution Transport Protocol (AVDTP)
  - Bluetooth Network Encapsulation Protocol (BNEP)
  - Logical Link Control and Adaptation Protocol (L2CAP)
  - Link Manager Protocol (LMP)
  - Object Exchange Protocol (OBEX)
  - RF Communication (RFCOMM)
  - Service Discover Protocol (SDP)

- Features:
  - Intuitive Explorer User Interface
  - Bluetooth 3.0, 2.1 and 2.0 SIG BQE Qualified and Listed

- AT Command Handler (ATx)
- Language: English, Traditional Chinese, Simplified Chinese, Japanese, French, Spanish, Brazilian Portuguese, German, Italian, Korean, Russian, Swedish, Norwegian, Greek, Danish, Dutch, Finnish, Polish, Czech, Turkish.

4 Driver and Application Information

- Application build notes:
    - audiosrv (3.0.1.124)
    - btmcls (3.0.1.54)
    - btmshell (3.0.1.200)
    - devmgrsrv (3.0.1.166)
    - obexsrv (3.0.1.109)
    - pprtmon (3.0.1.66)

- Driver build notes:
    - BTMAUD (3.0.1.77) Submission ID `1402174`
    - BTMCOM (3.0.1.68) Submission ID `1402023`
    - BTMHID (3.0.1.75) Submission ID `1402024`
    - BTMMDM (2.1.2.9) Submission ID `1339636`
    - BTMNET (3.0.1.48) Submission ID `1402025`
    - BTMUSB (3.0.1.163) Submission ID `1402026`

5 Platform Requirements

- Operating Systems:
  - Microsoft Windows XP SP3, Vista SP2, Windows 7
  - Ralink driver 3.1.4.2205

- Bus Interfaces:
  - USB

- Core Logic Chipsets
  - CSR Chipset

6 Deliverables

[X] Release Note .....
[X] Product .....

7 Installation

Please follow the steps below to setup Motorola Bluetooth stack to work with Ralink WiFi driver:

1. Install Ralink WiFi Driver
2. Install Motorola Bluetooth by running BluetoothSetup.exe and follow graphical wizard instructions

The BluetoothSetup.exe supports the following command line parameters:

/VERYSILENT	Silent installation
/SUPPRESSMSGBOXES	Disable any OS warnings while the installation
/LOG="path/filename"	Write installation log to the “filename” file located on the specified “path” directory. The specified directory should exist before the installation.
/MERGETASKS=<Tasks>	Disable the some tasks while installation, the <Tasks> can be one of the following items: "!CreateDesktopIcon" - disable Desktop Icon creation "!CreateComputerIcon" - disable Computer Icon creation "!CreateStartMenuIcon" - disable Start Menu Icons creation "!CreateStartMenuIcon,!CreateComputerIcon,!CreateDesktopIcon" - Use this task to disable all icons creation

8 Field Support

- Please report all problems to Motorola Field Applications Engineers.

9 Release History

Release 3.0.01.237 (April 27, 2010)

- Modifications/Updates:
  - Improved FTP and OPP throughput over HS link
  - OBEX 1.5 SRM supported
  - AVRCP updated for 1.4 version support
  - PAN adhock network support added
  - Skype support added

Release 3.0.1.222 (March 29, 2010)

- Modifications/Updates:
  - Fixed problem with multiple files copy over HS link
  - Updated Help files to be in sync with new Enable/Disable tray menu option

Release 3.0.1.221 (March 08, 2010)

- Modifications/Updates:
  - OBEX over L2CAP implemented for FTP and OPP interoperability
  - Improved interoperability with third vendors
  - Improved FTP HS performance
  - WinPVT BSOD fixed
  - Restore Bluetooth Enable/Disable option

Release 3.0.0.211 (January 29, 2010)

- Modifications/Updates:
  - Fixed minor issues for FTP and A2DP for certification
  - Updated WiFi BT coexistence mechanism to work for BT 3.0 HS links
  - Updated PAN HS implementation
  - Updated FTP HS implementation
  - By default this build will install only if hardware with USB\VID_148F&PID_1000 HWID is detected. To install it without hardware check, please use /WOHW command line option

Release 3.0.0.208 (December 28, 2009)

- Modifications/Updates:
  - Fixed problem with A2DP sink
  - Fixed problem with return from S3 to HS mode
  - Product name updated to be compatible with HP releases

Release 3.0.0.205 (December 22, 2009)

- Modifications/Updates:
  - Updated FTP implementation
  - Added HP VEN_1814&DEV_3090
  - Fixed memory leak in Bluetooth Device Manager
  - Fixed Bluetooth GUI hang ups

- Updated link speed indication of PAN profile to be in sync with WiFi driver

Release 2.1.2.197 (November 26, 2009)

- Modifications/Updates:
  - Implemented Move Channel feature
  - Fixed FTP problem over HS link

Release 2.1.2.191 (November 03, 2009)

- Modifications/Updates:
  - PAN over HS link implemented
  - MTU for all profiles increased to fit PDU reported by AMP controller
  - Works much more stable with Ralink 2.0.0.20 driver, but still have an issues with WiFi link

Release 2.1.2.190 (October 28, 2009)

- Modifications/Updates:
  - HS connection notification updated
  - Enhanced Retransmission Mode mode supported
  - A number of fixes after BT UnPlugFest
  - Fixed WiFi card replug problem

Release 2.1.2.182 (September 09, 2009)

- Modifications/Updates:
  - The first build with BT 3.0 HS support for FTP profile