Addendum

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Motorola Bluetooth Development Kit 1.4

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This document summarizes additional information for installing and running the Motorola Bluetooth Development Kit 1.4, as well as known chip errata that currently apply to the development kit.

1 Important Note on Setup

The development board must be properly configured for UART or USB before use and will not function properly before this is done. See the Setup section in the *Development Kit User's Guide* for important setup information. Do not attempt to set up the development board without first reading the setup instructions.

2 Additional Information

1. **Coexistence with other software.** The Bluetooth Development Kit 1.4 will not function correctly if the following software is installed on the computer. Uninstall the following software before installing or running the Bluetooth Development Kit 1.4:
   - — Previous versions of the Bluetooth Development Kit
   - — Bluetooth Software Suite
   - — Digianswer HCI Terminal
   - — Digianswer Democard/Democard mkII
   - — Tektronix Protocol Analyzer
2. **Download the latest firmware.** To make sure the latest firmware is downloaded to the Bluetooth hardware, launch Configuration Manager and download the configuration you want to use. The firmware on the Bluetooth hardware at the time of shipping may be out of date, but your download will take of this.
3. **Use the hardware reset button with caution.** Do not use the hardware reset button when running USB. Likewise, only use the reset button when told to or when no development kit application is running on the PC.

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4. **Enable FIFO buffers when running at 115200 baud.** If problems occur when transferring files at 115200 baud, try to enable FIFO buffers (requires 16550 compatible UART). In Device Manager, select the COM port and go to Properties. Press the Advanced button in the Port Settings pane. Set the receive buffer and transmit buffer as shown in the table:

	Receive Buffer Size	Transmit Buffer Size
Windows 2000	Rightmost setting (14)	Leftmost setting (1)
Windows 98 SE	Rightmost but one setting (8)	Leftmost setting (1)

5. **Enable RTS/CTS when running above 115200 baud on UART.** When running file transfer at baud rate above 115200 on the UART interface, enable RTS/CTS on the used COM port. Select properties for the used COM port in Device Manager, and configure it as follows: Flow control: Hardware, Enable RTS, RTS on = 9, RTS off = 117, and enable CTS.
6. **Disable system standby when running long-term file transfer.** If the computer turns off hard discs or enters system standby while running a file transfer, the transfer will fail. These settings can be controlled through Power Options in the Control Panel.
7. **Statistics and performance on file transfer using USB on Windows 98.** To achieve maximum performance using USB on Windows 98, Statistic Events should be disabled.

3 Errata

1. **Using USB on Windows 2000 causes data corruption.** When running USB on Windows 2000 and doing a file transfer, the files may be corrupted.
2. **Flowstop on Windows 98 doing file transfer.** File transfer can lock up because of flowstop after more than 50 Mb of data transferred.
3. **Do not restore factory settings in Configuration Manager.** The first time you use the development kit, you will be asked to back up the software on the development kit hardware. The firmware on the development kit hardware at the time of shipping may be out of date, and consequently the very first backup may contain outdated files. Once the development kit firmware has been updated, backups can be restored safely.
4. **Retrieving data on Windows 2000 using HCI Terminal.** If data is received in the HCI Terminal on Windows 2000 while commands are being sent, the reception of data may stop.
5. **Scatternet not supported by file transfer.** If device A transfers a file to device B and device C starts transferring files to device A, the data will be corrupted.
6. **Packet Statistics and Packet Error windows and USB.** When running USB, the Packet Statistics and Packet Error windows are not updated even though Display Statistics is enabled in the Options dialog.
7. **Disable connectability and discoverability for better audio quality.** To improve audio quality, disable connectability and discoverability either in the DemoBench Options dialog or via the Settings button.

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