Release Notes

Version 1.03 of Windows Mobile® 5.0 Operating System for the Field PC

November 2006

These release notes describe features and other important information for Release 1.03 of Windows Mobile 5.0 for the Field PC. You can download this release from the following website:

http://www.ultraruggedfieldpc.com

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System Requirements

This software release installs on the Field PC. The release includes new features and addresses discrepancies identified in previous operating system versions.

The Field PC is the only device that accepts this update.

New Features

The following new features are introduced in Release 1.03 for the Field PC.

- **Optional integrated Bluetooth support.** This release adds support for Field PCs that contain the built-in Bluetooth module.

  The following Bluetooth profiles are supported:
  - Serial Port Profile (SPP)
  - Dial Up Networking (DUN)
  - Object Push Profile (OPP)
  - Human Interface Device (HID)

- **Expanded support for SDIO cards.** This release includes added support for SDIO cards. The SDIO cards listed in Appendix A have been tested.

- **Expanded support for Compact Flash cards.** This release includes added support for Compact Flash cards. The Compact Flash cards listed in Appendix B have been tested.

- **Optional upgrade to internal Bluetooth.** Contact your sales manager for details.

Important Notes

- **SDIO and Compact Flash Bluetooth Cards are disabled with integrated Bluetooth**

  A Field PC with integrated Bluetooth automatically disables the use of a Bluetooth card in the SDIO or Compact Flash card slots.

- **Bluetooth and WiFi Adapters May Interfere**

  Bluetooth technology and WiFi adapters that use 802.11b or 802.11g radios may interfere because they both operate in the 2.4 GHz frequency range. Interference problems can be resolved by disabling either Bluetooth or WiFi.

Resolved Issues

This section lists resolved issues for Field PC 1.03 software.

- Turning on (resuming) the device no longer causes problems with WiFi cards that use built-in Windows Mobile drivers.
- Creating a partnership with a Bluetooth device that does not have a passkey does not lock up the Field PC or cause other problems.
- A Bluetooth partnership is not lost after being turned off (suspended) for an extended period of time.
- Issues related to CF, Bluetooth, and serial devices have been resolved.
- Issues with using the Socket Bluetooth CF card in the Archer with either Socket or Microsoft drivers have been resolved.
- Issues with using the Enfora GPRS cellular modem CF card have been resolved.

Known Issues

These issues are open in Field PC 1.03 software:

- Synchronization of files and notes in ActiveSync does not work.

  File synchronization in ActiveSync does not synchronize files or notes as expected.

Workaround: Manually copy files to and from the Field PC and the desktop computer. Notes cannot be copied. See the user's guide that came with your Field PC for more details.

- The Microsoft Bluetooth drivers require you to enter a PIN for a Bluetooth device when the device needs no PIN.

  Some Bluetooth devices do not require a PIN in order to connect with them. However, the Microsoft Bluetooth drivers require you to enter a PIN before they allow you to communicate with a Bluetooth device.

  Workarounds:

  Option 1: If you are using a Socket Bluetooth CF or SD card, load the Socket Bluetooth drivers for Windows Mobile 5.0. After the drivers are loaded, you do not have to enter a PIN for devices that do not need a PIN.

  Option 2: When you are asked to enter a PIN, leave the PIN entry box blank and click *Next*. Choose *No* when you are asked whether you want to make the device available on the device list. See the user's guide for more details.

Appendix A: SD and SDIO Cards Tested with Release 1.03

Manufacturer	Device Type	Model	Top Cap
Socket Communications	Bluetooth Radio Class II	SD-BT2	Communication
Socket Communications	WiFi – 802.11	E300 & P300	Communication
Spectec	Camera	SDC-003A	Optical

Notes:

- *All tested flash memory SD cards up to 4GB have been found to work with the Field PC. The newer SDHC card format is not yet supported.*
- *Flash memory SD cards can be used with all caps.*

Appendix B: CF Cards Tested with Release 1.03

Manufacturer	Device Type	Model	Top Cap
Socket Communications	Bluetooth Radio Class II	BL4538-641	Standard
Trimble	GPS	Pathfinder XC	Universal
GlobalSat	CF GPS SiRF III	BC-337	Universal
Holux	CF GPS SiRF III	GR-271	Universal
Socket Communications	RFID Reader	RF5400-542	Universal

Socket Communications	RFID Reader & Barcode Scanner	RF5405-632	Optical
Socket Communications	Barcode Scanner	IS5026-610	Optical
Socket Communications	WiFi -802.11	E500 & P500	Communication
Enfora	GSM/GPRS	GSM0110	Communication
Socket Communications	High Speed Serial	SL2703-138	Universal
National Instruments	Data Acquisition	CF-6004	Data Acquisition

Note: CF memory cards can be used with all caps.