Release Notes

Version 1.1.6 of Windows Mobile® 6.1 Operating System for the TK6000 (Carlson Surveyor)

October 2009

These release notes describe important information for Release 1.1.6 of Windows Mobile 6.1 operating systems for Juniper Systems TK6000 ultra-rugged handheld computer.

You can download the latest release from the following website:

http://www.junipersys.com/support/support.cfm?id=152

Contents

These release notes contain the following sections:

- System Requirements
- New Features
- Installation Instructions
- Important Notes
- Resolved Issues
- Known Issues

System Requirements

This operating system installs on the TK6000 and requires boot loader 4.4 or higher.

New Features

The following new features are introduced in version 1.1.6 for the TK6000.

- **Added Support for Cell Modem Expansion Pack.** This version of the operating system adds support for a cell modem expansion pack on certain TK6000 models (basic models do not support expansion packs).
- **Windows Start key is programmable.** The Windows Start key can be programmed for a customized action.

Installation Instructions

Installation instructions are provided online at the following URL:

http://www.ultraruggedfieldpc.com/OSInstallInstructions.pdf

Important Notes

- **WiFi connection may be disabled automatically when using ActiveSync® over a USB or serial connection.** This can be changed by changing the options in ActiveSync®.
- **Models with integrated WiFi do not support use of a 3rd party WiFi adapter.** A TK6000 with integrated WiFi may not operate as expected when a 3rd party WiFi adapter is installed in the device.
- **Clean boot does not erase the /Storage folder.** The /Storage folder can be erased by resetting the device and holding the Ctrl-Alt-2 keys until the splash screen appears.

- **Cell Modem Setup Utility.** If a CD is provided with your Cell Modem, it will contain the installation for the Cell Modem Setup Utility. The Cell Modem Setup Utility can be downloaded from our website at: http://www.junipersys.com/support/support.cfm?id=150

Resolved Issues

These issues are resolved in version 1.1.6 of the Operating System.

- Extra key codes are no longer thrown when pressing Shift, Ctrl,Alt or 2nd keys with another key [1886].
- An issue that caused the touchscreen to become unresponsive after being held through a suspend/resume cycle has been fixed [1849].
- The serial port driver priority is now set correctly, fixing potential problems with data loss and slow transfer speeds [1670].
- Shift keys no longer generate unexpected key codes [1648].
- Certain COM port numbers were not available for use (such as for Bluetooth SPP), and those issues have been corrected to make these port numbers available [1621]
- IRDA no longer appears in the printer port list [M1541].

Known Issues

These issues are open in this version of the operating system.

#	Issue	Workaround
1364	User manual does not indicate how long to hold the CTRL-ALT-DEL or CTRL-ALT-2 keys when performing a Clean Boot or Storage Clean operation.	The user should press and hold the keys until the first splash screen appears.

1402	The Windows Mobile Bluetooth manager only recognizes one serial port on a Bluetooth GPS receiver that provides access to multiple serial ports.	A software application must compensate for this as explained in the FAQ document at the following URL: http://www.junipersys.com/support/faq.cfm?id=191
1529	If the microSD card is swapped, the device may not recognize that the card has changed and will show files from the old card.	Suspend and resume the device while the microSD card is not present and then insert the new card, or reset the device.
1218	The "Unrecognized Card" window may pop up after resume if the unit goes through rapid suspend/resume cycles.	Tap cancel and the window will disappear, suspend and resume the Field PC, but do not suspend the Field PC again until several seconds after the previous resume.
1291	Some USB flash drives do not work with the TK6000. Flash drives found not to work include the Gizmo® by Crucial, Inc.® and the Cruzer Titanium® drive from SanDisk®.	Refer to the online FAQ to identify models of flash drives that have been tested: http://www.junipersys.com/support/faq.cfm?id=152
1510	When synchronizing notes, some notes may not synchronize on the device.	None.
1645	When creating a Bluetooth partnership with a device that does not require a passkey, the Microsoft drivers used by the built-in Bluetooth module will still require a passkey to be entered.	Information about solutions and workarounds can be found in these URLs: http://www.junipersys.com/support/faq.cfm?id=203 http://www.junipersys.com/support/faq.cfm?id=124 http://www.junipersys.com/support/faq.cfm?id=116

The following issues are known issues that will not be fixed due to high complexity and risk of implementing a fix and the low impact on users because of readily available workarounds:

1580 – The CAPS LOCK functionality is not synchronized between the hardware keyboard and the Windows Mobile Soft Input Panel (SIP) keyboard. The user can turn on CAPS LOCK on the SIP Keyboard and get capital letters from the hardware keyboard, and when locked, they will get lower case until the CAPS LOCK is removed from the SIP Keyboard.

Workaround: Toggle the CAPS LOCK setting on the SIP keyboard or reset the device.

1447 – The battery icon or the charging icon does not update properly when wall power is applied or removed when operating on a single battery in the upper (backup) compartment.

Workaround: When using a single battery, it should always be located in the lower (primary) battery compartment.