Release Notes for
Version 1.3.5 of Windows® Embedded Handheld for the Archer²

March 2014

These notes provide important information for Juniper Systems release of the Microsoft Windows Embedded Handheld (formerly Windows Mobile) 6.5 operating system for the Archer². These notes may also include important hardware information for the device.

Documentation and software updates are available from:

http://www.junipersys.com/Juniper-Systems/support

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These release notes contain the following sections:

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New Features

- **JS Nav has been integrated to replace the GPS Nav applet.** JS Nav provides GNSS features, including capabilities to log tracks, waypoints, monitoring NMEA sentence and other diagnostic information from the GNSS.
- **Sensors control panel, supporting compass and accelerometer sensors, has been added.**
- **Touch control panel has been added.** This document provides additional notes in a section below.
- **GNSS control panel has been updated to add the ability to change baud rates and update rates.**
- **This version integrates improvements to read and write speeds for internal storage.**
- **Builds to support languages are available with this version, including Spanish, French, German and Portuguese (Brazil).**
- **The $ symbol was added as an option for barcode prefix or suffix.**
- **SDK, now including compass API, has been updated.**

Touch Control Panel

The Touch control panel has been added to provide the user with access to touchscreen profiles that can help to optimize the performance of the touchscreen for different uses and environments.

To load a different profile, select the desired profile and then tap the load button. <u>Do not interrupt the loading process. If the process is disrupted, it could result in a permanent touchscreen failure.</u>

The Finger profiles make it easier for a finger to touch features and controls at the edges of the screen. The Stylus profiles are optimized for use with a stylus. The 10, 20 and 30 grading indicates sensitivity, with higher numbers meaning that touches are more readily sensed; however, increased sensitivity can result in problems detecting correct touch location.

Important Notes

- **Hold-to-zoom is a new feature on Archer2.** Hold-to-Zoom is a feature that gives the user a method to temporarily zoom in on an area of the display to make it easier to access touchscreen controls. This feature is accessed by pressing and holding the P1 key and then tapping the area of the screen that you want to zoom. Full details of this feature are provided in the owner's manual.

- **Encrypted SD card cannot be used for OS update.** The device cannot perform an OS update with an SD card that has been encrypted. Before running an OS update, verify that the encryption option in Start > Settings > System > Encryption is disabled.

- **Customizing the backlight on your device display to optimize visibility and power consumption.** The backlight can be adjusted to improve display visibility. Using brighter backlight settings will consume more power. It is recommended that you customize backlight brightness to optimize display visibility and battery usage to fit your environment and usage [3090].

- **Hardware OK button.** The shift-5 button on the keypad can be used to send an "OK" to the application for screens that may not display an OK button and screens where the OK button does not work. This is most useful in applications that were designed for an earlier version of Windows Mobile, and it can also be found on some of the built-in applets.

Known Issues

These issues are open in this version of the Operating System.

Audio
- Some audio files play louder than others [6262]

Barcode Connector / Barcode Scanner
- Barcode scanner reports Code 39 BNR on a No Read [6358]

- MSI Plessey barcode with MOD10_MOD11 checksum does not decode [6351]
- Barcode scanner won't decode some Code 93 barcodes when using suffixes of <LF><CR> [6348]
- In Barcode connector, when reading code 32 a tab as a suffix is ignored. [6336]

Bluetooth

- Pairing with a HID device such as a Bluetooth keyboard sometimes fails when accessing the option to pair by going to Settings > Connections > Wireless Manager. It seems to work more reliably when accessed by pressing and holding on the Bluetooth icon on the JS Home screen [6725].

Camera

- When the camera white balance is set to auto, it does not correctly adjust when used in outdoor, sunny conditions. For more accurate pictures, the user needs to manually set the white balance to "Sunny." [6909]

Cell Modem

- When setting up the data connection for the cellular modem for the first time, the option to "Automatically configure connection" may fail to trigger the setup process and just refreshes the screen. As a workaround, it is possible to continue attempting to select that option until it activates or to make sure that the cellular radio is powered on and then reset the device. When the device boots, it will automatically attempt to configure the cellular radio if it is on and there is a valid SIM card present. [6707].

General

- When the device is operating from battery power and is connected through USB-client (ActiveSync or WMDC) to a PC, it is possible for the device to unexpectedly reset. As a workaround, always connect the device to external power when using a USB ActiveSync connection [7240].

Touchscreen

- Using a stylus on the touchscreen may leave gaps in lines when drawing [6307]

- Under some conditions, touchscreen performance when using a stylus may not allow selection of some on-screen controls. If touchscreen issues are encountered, attempt to restore normal operation by disabling and re-enabling the touchscreen by holding the shift key while hitting the backspace button twice (this toggles the touchscreen off and on). Alternatively, a suspend-resume cycle may restore normal function. If the above methods do not work to restore normal operation, it may be necessary to reset the device (press and hold the power button) to restore normal function. [7192, 6273]

Wi-Fi

- Wireless networks list may be incomplete [6404]

- After roaming out of range of the wireless network, the device may not automatically associate with the network when it returns. This issue can be worked around by suspending and resuming the device or by turning the Wi-Fi radio off and back on. [7236]

- Sometimes, the device fails to properly store Wi-Fi settings and connect to a new wireless network. This issue can be worked around by resetting the device and then configuring the new wireless network. [7241]

Resolved Issues

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

Barcode

- An issue that sometimes caused an error message to display when starting barcode connector when GNSS was active has been fixed. [6379]

Bluetooth

- The Bluetooth icon on the home screen now shows updated status more quickly. [7026]

- An issue with maintaining a Bluetooth serial port connection through a suspend / resume cycle has been fixed. [7182]

Camera

- This version implements improvements to auto focus. [7019]
- The camera standby setting has increased to 90 seconds. [7223]

Compass

- This version enables the compass sensor. [6500, 6884]

General

- Language builds for Spanish, French, German and Portuguese (Brazil) are available in version 1.3.5 [6503]
- When suspending the device, it can take several seconds for some sub-systems to power down, and the system must wait for those sub-systems to power down before it can power on again. With this version, the green LED remains lit while the system powers down. [6632, 7107]

GNSS

- The GBS NMEA sentence is now enabled by default. [7121]
- The control panel applet for GNSS has been enhanced. [7094]
- An issue with the GPS intermediate driver relating to the GPSGetPosition() function has been fixed. [7213]
- The velocity threshold has been reduced to more accurately report course over ground when walking. [7167]

Serial

- An issue with the serial driver sometimes changing the order of received data has been fixed. [7151]

Touchscreen

- The ability to load different touchscreen profiles has been added. [6867]

Wi-Fi

- An issue that sometimes caused the device to fail to connect to wireless networks with WPA-PSK or WPA2-PSK has been fixed. [6848]

Closed Issues

These issues are closed and will not be changed or fixed.

- When performing barcode scans using Excel Mobile, the scanned value will be 0 if the visual indicator option in the Barcode Connector software is enabled. If scanning into Excel Mobile, make sure that the visual indicator option is disabled [6335].

- Adobe Flash Lite runs at a high priority and consumes most of the available CPU cycles. This causes other applications and processes to function slowly or improperly. This issue appears when navigating to websites that have Adobe Flash content [2626].

- Some USB flash drives are not recognized [2270]. For details, please refer to the Juniper Systems website and navigate to the article titled "USB Flash Drive compatibility" in the support knowledge base.