

Release Notes for Version 1.4.4 of Windows[®] Embedded Handheld 6.5 for the Archer²

August 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

- **Power driver: Added support for additional IO module**
- **Updated the desk top installer**
- **Add JSSPI driver for external developer access to SPI bus**
- **Add GNSSStream application, NMEA data on COM1**
- **Add USB Mass Storage Mode**
- **GPS Driver updates**
- **GPSID Driver updates**
- **Camera: Add NEON rotation to speed up image capture in landscape orientation**

Touch Control Panel

The Touch control panel provides 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. Do not interrupt the loading process. If the process is disrupted, it could result in a permanent touchscreen failure.

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.

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].

Touchscreen

- 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]

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.

Camera

When the camera white balance is set to auto, it correctly adjusts when used in outdoor, sunny conditions. The user does not need 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” triggers the setup process and just refreshes the screen. [6707].

General

- An issue causing reset when the device is operating from battery power and is connected through USB-client (ActiveSync or WMDC) to a PC was resolved. It is still recommended to connect the device to external power when using a USB ActiveSync connection [7240].

Touchscreen

- An issue causing gaps in lines when drawing with a stylus on the touchscreen has been resolved.[6307]

SBAS

- Updates to allow SBAS (such as WAAS) to be used with the integrated GNSS on Board Revision 0.4.4.1 or previous units [7329]

JS Nav

- Updates to improve stability

System Stability

- Updates to improve stability under abnormal conditions

TS Firmware update is integrated

- Updates that were available as a patch are now integrated into the OS

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.

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