

Release Notes

Version 1.2.2 of Windows[®] Embedded Handheld for the Mesa Rugged Notepad

October 2015

These notes provide important information for Juniper Systems release 1.2.2 of the Microsoft Windows Embedded Handheld (formerly Windows Mobile) 6.5 operating system for the Mesa Rugged Notepad. These notes may also include important hardware information for the Mesa Rugged Notepad.

Documentation and software updates can be downloaded from the Juniper Systems website at:

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

Contents

These release notes contain the following sections:

- Important Notes
- New Features and Resolved Issues
- Known Issues
- Closed Issues

Important Notes

- **Encrypted SD card cannot be used for OS update.** The Mesa 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.
- **OS version 1.2.2 or later is required for devices with board version 0.3.9.0. OS version 1.2.2 is also supported with previous board versions.**
- **Devices running OS version 1.0.8 or higher cannot be downgraded to 1.0.7.**
- **Customizing the backlight on your Mesa 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 enter button and the center button on the direction pad can be *pressed and held* 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. As an example, go to Start > Settings > Personal > Input, then change the input method to Block Recognizer or Letter Recognizer and select Options. Although the on-screen OK button is not responsive, the hardware OK button will work [2385].
- **Video quality.** The built-in camera is not optimized for shooting video. Video quality is best in well-lit, outdoor environments [2168].
- **Recorded video is rotated.** When Mesa is used to record video, it will be rotated 90° when played [5128]. An option to workaroud this is to set the display to portrait orientation while holding the Mesa horizontally (landscape).

New Features and Resolved Issues

These issues are resolved in version 1.2.2 of the Operating System (OS).

- Updated USB to PC control panel applet to allow a PC to recognize the handheld as a mass storage device.
- Added GPS Stream application.
- Alarms and Windows Media moved to the bottom of the start menu.
- SIP state is saved through power state changes.
- A new version of the AKU is used and provides support for SHA2 certificates, among other fixes.
- An option for selecting the GPS update rate is available in the GPS System options. The available update rates are 1 Hz, 2 Hz or 5 Hz.

Known Issues

These issues are open in version 1.2.2 of the Operating System.

- When an application is uninstalled, the shortcut in the JS Home favorites bar may still appear. The shortcut will be removed after the device is rebooted [3362].
- A Mesa with a GSM radio may repeatedly popup a Network Log On message. To workaround this issue try resetting the Mesa (press and hold the power button), and if the issue continues reconfigure the cellular data connection [3082]. This can be done as follows:
 1. Press the "Home" button to get to the "Mesa Dashboard" or JSHome.

2. Press and hold on the 3G modem gadget. This will bring up the "Connections" menu.
 3. Tap "Automatically configure connection."
 4. Tap "Next". This will negotiate with the network and reset the connection settings for your 3G modem.
 5. Tap "OK" to exit the dialog.
-

Closed Issues

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

- 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].
- The Mesa may take a long time to suspend. The green LED will remain lit for several seconds while the device enters the suspend state, and the power button does not work during this time. This delay is associated with the extra time that it takes to power down the GSM radio. This issue is not present on units that do not have a GSM radio and does not happen on 3G units if the GSM radio is already powered down [2949].
- The status icons for the Wi-Fi and 3G radios do not immediately show the status of the radios when the device is powered on. This is observed when coming out of a suspend state and may also happen when booting from a powered-off state. The status for the radios will be properly updated after several seconds [3284].
- Some USB flash drives are not recognized in Mesa [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.
- The backlight may flicker when the radios transmit. This issue is apparent when set to dim backlight levels. This issue can be worked around by increasing the backlight brightness or by disabling the radios [2570].

PN 22963-03. © Copyright 2015. Juniper Systems, Inc. All rights reserved.

ActiveSync, Windows, and Windows Mobile are registered trademarks of Microsoft, Inc. in the United States and/or other countries.

Other trademarks in this document are the property of their respective owners.