# Release Notes

# Version 2.0.5 of Windows Mobile® 6.1 Operating System for the Allegro MX Field PC

February 2011

These release notes describe important information for Release 2.0.5 of Windows Mobile 6.1 for the Allegro MX Field PC.

You can download the latest release from the following website:

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

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# System Requirements

Hardware board version 0.1.7.0 or later must run OS version 2.x.x.  Previous board versions must run OS version 1.x.x.  The desktop installer contains both OS versions and will install the correct version based on the hardware it detects.

OS Build version 2.0.5 is compatible with Board version 0.1.7.0, CPLD / PIC versions 6 / 1.05, and Bootloader version 15.

A micro SD card is required in order to update the OS on a Field PC running 2.0.5 or higher.

# New Features and Changes

These updates are primarily to accommodate end-of-life component issues, and will not change the fundamental features and functions of the device.

These are changes to note:

- **The backup \Storage folder replaced by main internal (root) and MicroSD card flash memory.**  The main (root) internal flash storage memory is sufficient for non-volatile program and data storage. Otherwise, a micro SD card can be used for persistent storage through a clean boot.

- **The Wi-Fi radio module has changed.** A new Wi-Fi module has been integrated into the OS to replace an end-of-life part.

# Important Notes

- **Wi-Fi connection may be disabled automatically when using ActiveSync® over a USB or serial connection.** This can be changed by altering the options in ActiveSync®.

- **Models with integrated Bluetooth do not support the use of a third party Bluetooth adapter.** An Allegro MX with integrated Bluetooth may not operate as expected when a third party Bluetooth adapter is installed in the device.

- **Models with integrated Wi-Fi do not support use of a third party Wi-Fi adapter.** An Allegro MX with integrated Wi-Fi may not operate as expected when a third party Wi-Fi adapter is installed in the device.

# Resolved Issues

These issues are resolved in version 2.0.5 of the Operating System.

- Added ability to capture Blue + Esc key to enhance kiosk style application to prevent the user from exiting the application [3301].
- Hardware changes in this revision allow the device to detect when a micro SD card has been inserted [1151,3295].
- The Field PC is able to detect when the micro SD card is swapped during suspend [1529, 3294].
- Wi-Fi radio operates in Power Save Polling mode by default to reduce battery consumption.  This mode can be changed by setting a registry key [3355].

> [HKEY_LOCAL_MACHINE\Comm\SDIO86861\Parms]
>
> "PowerMode"=dword:1
>
>
> 0 = CAM - Continuously Aware Mode
>
> 1 = PSP - Power Save Polling

- An issue where the Field PC sometimes failed to accept a Bluetooth passkey has a workaround in the new Bluetooth COM setup utility [3302].
- A progress bar to show boot status is displayed when the Field PC boots [3291].

# Known Issues

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

| # | Issue | Workaround |
|---|-------|------------|
| 3331 | Large file transfers over ActiveSync may fail when the Connection settings for USB to PC is not using the "Enable advanced network | A patch to resolve this issue is available by contacting our support team. |

| | | |
|---|---|---|
| | functionality" option. | |
| 1667 | When the Field PC is connected to wall power and in suspend, the battery may not charge.  This may happen if the user does not set or dismiss the battery charge dialog that appears when a battery is installed or the unit is reset. | If the battery charge dialog appears, the user needs to select an option and tap ok. The battery charge settings are accessible through Start > Settings > System tab > Power > Charge Settings tab. |
| 1402 | The Windows Mobile Bluetooth manager only recognizes one serial port on a Bluetooth GPS receiver that provides access to multiple serial ports. | Workaround provided in new Bluetooth COM setup utility, or other app software must compensate. http://www.junipersys.com/index.php/Juniper-Systems/support/Knowledge-Base/Support-Knowledge-Base-Topics/Bluetooth/Developing-Bluetooth-in-software |
| 1436 | Function keys do not immediately work with some third party software. | Refer to the FAQ document at the following URL: http://www.junipersys.com/index.php/Juniper-Systems/support/Knowledge-Base/Support-Knowledge-Base-Topics/Software-Development/Key-codes-on-Windows-Mobile-Field-PCs |
| 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 Allegro MX. 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/index.php/Juniper-Systems/support/Knowledge-Base/Support-Knowledge-Base-Topics/Accessories/USB-Flash- |

| | | Drive-compatibility |
|---|---|---|
| 1510 | When synchronizing notes, some notes may not synchronize on the device. | None. |
| 1586 | The "New Modem Detected" message appears when a PCMCIA card is inserted into the device, even when the card is not a modem. | Tap the "dismiss" button and then the card can be used normally. More information about this and other card device behaviors is provided at: http://www.junipersys.com/index.php/Juniper-Systems/support/Knowledge-Base/Support-Knowledge-Base-Topics/Accessories/Card-device-behavior-in-Windows-Mobile-Field-PCs |
| 1645 | When creating a Bluetooth partnership with a device that does not require a passkey, the Microsoft drivers still require a passkey to be entered. | The new Clean Bluetooth utility can resolve existing issues, and future issues can be avoid following every step of the instructions at: http://www.junipersys.com/index.php/Juniper-Systems/support/Knowledge-Base/Support-Knowledge-Base-Topics/Bluetooth/Bluetooth-Setup-with-Microsoft-drivers |
| 1646 | A modem in the Field PC may require additional dialing strings to establish a connection.  Windows Mobile 6 does not provide a place to enter the additional modem strings. | Windows registry key change required. Contact us for more info. |