



# MC9090 OPERATING SYSTEM WINDOWS MOBILE BSP 01.43.00 RELEASE NOTES

## INTRODUCTION

The Update Loader Image 01.43.00 contains the software required to update a MC9090 device to the latest released software (REV I). The flagship MC9090 is a rugged handheld mobile device that incorporates a PDA, computer, scanner and imager in a single unit designed for the rigors of all-day, everyday usage. The MC9090 has Intel X-Scale Bulverde 624MHz processor and delivers the latest version of the Microsoft WM 5.0 Premium Edition operating system.

## DESCRIPTION

### *General Enhancements*

1. WLAN Fusion version 2.55.1.0.10R
2. BTEplorer 1.2.4 Build 15260
3. MSPAgent 4.45, Airbeam 4.45, RD Client 4.45
  - Fusion version 2.55.1.0.10r, which is included in this release, when used with MSP 3.1 or above, allows Staging (RD) and Provisioning to be used to configure two Fusion Options: 802.11d and Auto Time Config.
  - MSP 3.1.1 or above allows Staging (RD) and Provisioning to be used to configure AES encryption for all authentication types supported by MSP 3.1.1 for which Fusion supports AES encryption.[A2].
  - This software release has been tested on MSP 3.1 and 2.9 and passed MSP Compliance.
4. Support for new MSR9001 hardware for 909x
  - The new MSR driver supports both the legacy MSR9000 and the new MSR9001
5. Scanner driver updates
  - Improved memory footprint of Pixdll.dll (PixLiteDLL.dll is no longer used)
  - Supports Korean 3of5 barcodes
6. Cold boot persistent settings for Ram Disk and Page Pool values
  - Configurable RAMDisk and PagePool settings on a cleanboot using uldrsettings.cfg.
  - Clear Ramdisk on Clean boot
7. Rebranded IE Home Page.
8. New version of iDocket, v4.02.10.01 for 909x (included CAB file in the Application partition).
9. Added the RasBook entries for the USB Serial ActiveSync connection

### *General Issues Resolved*

1. Fixed Bluetooth 20 MB File Transfer failure issue.
2. Fixed the Issue of Regmerge driver truncates any number of backslashes in the registry data to a single backslash.
3. SideTone Registry settings modification.
4. Copy files updated to fix issue where there were problems when copying files to directories more that one level deep when directories did not exist.
5. Keylight driver fix for persistence.
6. Fixed USB ActiveSync re-connect after suspend/resume terminal.
7. Fixed the issue with our MSR sample (MSRSamp2), after a suspend/resume it cannot read from the MSR.
8. Fixed the issue in the control panel USB to PC applet check box to allow device to sync with serial USB driver when unchecked.
9. Reg key "PORepaint" is reset to 2 to address the Landscape mode display corruption issue.
10. DST patch for Western Australia Timezone which implemented the DST starting From 2 a.m. on 28 October 2007 until 2 a.m. on 30 March 2008; and From 2 a.m. on 26 October 2008 until 2 a.m. on 29 March 2009.
11. Registry modified for SystemIdleTimerReset during WLAN activity so that terminal doesn't suspend due to timeout, during any WLAN activityFix for Audio distortion after playing .wav file several times.
12. Fix for setting of the IST priority in the serial driver.
13. The error code for not ready state in the MMC driver has been changed from DISK\_REMOVED\_ERROR to ERROR\_DEVICE\_REMOVED to support the new WM2005 page loader error codes.

## WLAN - FUSION RELEASE NOTES 2.55.1.0.10R

### **New Features:**

- EAP FAST
- EAP GTC
- Security Manager for PAC files and Certificates including PFX support

### **Issues Resolved:**

1. Corrected an issue where editing a profile using WEP encryption with no authentication could cause part of the WEP key to be revealed to the user.
2. Corrected issue where the SIP (Soft Input Panel) button disappeared on the Login dialog.
3. Corrected an issue causing excessive transmit retries when connected to an access point setup as 802.11b with Short Preamble enabled and 1 Mbps as the only basic (required) data rate.
4. Corrected an issue where the WLAN radio would attempt to associate to access points using a null SSID upon initialization (following a resume or reboot).
5. Corrected an issue where the mobile device would send a DHCP Discover upon resume. The device now properly sends a directed request for an IP address to the same server as before (a DHCP Request).
6. Corrected a buffer overrun in MUDLL.
7. Corrected an issue in the Fusion Public API where it reported poor coverage when the device was actually out of range.

8. Removed the second message ("The country selected may not be supported on this device...") when modifying the country selection in the Options regulatory page.
9. Fixed a deadlock situation in Wireless Status where the Wireless Log page would lock up.
10. Updated the Configuration Editor's country list to match what is supported by the radio.
11. Connection issues when using AES encryption in range of 16 or more Access Points.
12. Maintenance performed on the regulatory entries based on the latest approvals for Photon based devices.
13. Updated country code table to reflect latest rules for Australia. Ch 120-132 disabled.
14. The roaming algorithm sometimes takes too long to choose and connect to an AP.
15. WM5.0: Rebooting while an ActiveSync connection is made can cause Adapter Unavailable to be reported after the reboot is complete until either ActiveSync is connected again, or the date is manually changed.

## **BLUETOOTH - BTEXPLORER RELEASE NOTES 1.2.4 BUILD 14702**

### **Resolved Issues**

1. Fixed the Issue of Sometimes the association entry name did not display on the "Open port" dialog.
2. Fixed RSSI code to display a correct negative value.
3. Fixed bug that allowed the custom serial port to be included in the selectable dropdown list even though it was already in use.
4. Fixed the issue of When there is no existing association in BTE Explorer, opening a COM port from a third party application would fail.
5. Fixed the issue of CLI information was not display on the Hands-Free server.
6. Fixed an issue where BTE Explorer COM port would time out after continuously opening for a prolonged period of time.
7. Changes were made to SPPOpen for speed improvements.
8. Changed the default font for the dialogs in BTE Explorer to Tahoma to resolve issue on Korean OS with text boxes fitting on the screen.
9. SDP Query Error occurs too fast when entering long PIN codes. SDP query timeout was increased to 40 seconds.
10. Fixed a memory leak.
11. Fixed an issue with BTE Provisioning APIs: Trying to delete a Favorite connection from a Multithreaded application hangs in BTPDeleteConnection routine.
12. Fixed an issue with BTE Provisioning APIs: In a Multithreaded, application BTPFindServiceClose always fails with return code 3.
13. Fixed an issue where you were unable to connect to SSP server with PIN authentication enabled.

14. Added unique device name feature with restart BTE Explorer.
15. Fixed an issue where there was no yellow exclamation point on disabling the radio from the tray icon.
16. Fixed an issue where there was no scrollbar on Settings / Services / Add / FTP / "Select Root Directory" dialog tree view.
17. Fixed dialog box to correctly fit the WT4090 device. Also, added WT4090 specific text display strings to the dialog box to select from multiple favorites when opening Bluetooth links on behalf of other applications. Also, added WT4090 specific processing to insure focus is correctly handled in the dialog box to select from multiple favorites when opening Bluetooth links on behalf of other applications.
18. Fixed BTE Explorer Menu to not display the enabled icon if Bluetooth is disabled.
19. Fixed an issue in BTE Explorer that caused an exception to occur when 'Return Audio to Phone' is selected from a hands-free device.
20. Fixed an issue when creating a Serial port server profile, Local COM Port drop down combo box lists COM1 and all the WAN ports instead of BT COM ports (4, 5 and 9).
21. Fixed an issue where the SIP was not displayed when trying to change the file name during an FTP get operation.
22. Fixed an issue where BTE Explorer API - BTPFindFirstConnection function does not return the unconnected favorite(s) after receiving a query of connection(s) with attribute BTP\_CONNECTION\_REMEMBERED.
23. Fixed an issue where BTE Explorer threw an exception when set NumberServiceUUID = 0 and Service = NULL in Provision API query.

## CONTENTS

9090w50LenUP014300.zip

## DEVICE COMPATIBILITY

This software release has been approved for use with the following Symbol devices.

Device	Operating System
MC9090w50	Windows Mobile 5.0 Premium

## INSTALLATION REQUIREMENTS

NA

## INSTALLATION INSTRUCTIONS

Please refer the document "Loading Magneto Update on MC909X.doc" which is included in the ZIP file



**Note:**

Please refer the document “UldrSettingsReadMe.doc” which is in the ZIP File to Configure RAMDisk and PagePool settings on a cleanboot using uldrsettings.cfg

.NET Compact Framework, CF v2.0 in-ROM update package is a separate package update file.

**Updating the OS to 01.43.00 will not update .NET Compact Framework to v2.0  
PART NUMBER AND RELEASE DATE**

March 11, 2008