



# MC55N0 OPERATING SYSTEM BSP

## 02.47.04 - LOCALIZED RELEASE NOTES

### INTRODUCTION

When your managers and task workers are on the move inside your facility, the rugged MC55N0 mobile computer keeps everything they need to take instant action at their fingertips. The MC55N0 Series is the perfect blend of form and function. The comprehensive capabilities allow workers to scan bar codes; snap pictures; view videos; and access business critical applications. The compact and lightweight mobile computer is easy to carry and easy to use, with a sleek design that is at home in front of customers.

Update Loader Image 02.47.04 contains the SW required to update an MC55N0 Premium device to the Rev B software release.

This software is intended to be loaded and run on the MC55N0 Premium devices. A new feature has been added so that it can only be loaded on an MC55N0 device. Also, the Update Loader package software will not load on any non-MC55N0 device.

### DESCRIPTION

#### General Enhancements in 02.47.04:

- Microsoft - Windows Embedded Hand held - AKU **29217.5.3.12.26**
- Updated WLAN driver version : Fusion XWING 2.01-54R
- Debug Tools CAB Installers
- WM - eMScript, CaptureDump, ShimProfiler, VMM Service
- Added shortcut to eMScript CAB Installer in Start-Programs-Debug [After Installation, the 'Start\_Emscript' & 'Stop\_Emscript' link appears in the same folder]
- Added Support for KIOSK Mode.
- Removed Microsoft deprecated "Marketplace"
- Added DEX Cable Support
- Added support For LCD Mode Scanning
- Included DEX Cable Support
- Added Single Slot Modem Support
- Updated Unified MSR version : MSR v0.1
- Included "CleanAppl.bin" in "Update Loader Package".
- Added Support for "Ortus Display"

#### General Fixes:

- Stone Street One - BTExplorer 2.1.1 Build 27990
- Document Capture Feature [Document Capture v2.0]
- PixDLL v5.15.13.130

- Decoder1d v5.1.13.1
- MSP Agent 7.08.42, AirBEAM 7.08.42, RD Client 7.08.42 (Software release has been tested on MSP 3.3 and passed MSP Compliance)
- Data Wedge v3.6.8 [Pre-Installed in the device]
- Team Express Client Licensed version v1.1.63-0000 as a CAB file
- Updated SMSC driver for New 4-slot Ethernet cradles
- General Scanner Performance Improvements
- Added configuration support to handle SE960I and SE950I Scan Engines
- Scan Decode LED Time is reduced to 500ms
- By Default "Update Loader/AirBEAM" packages will NOT perform Cleaning of the Application partition, "Update Loader" zip file will contain file for Cleaning Application but by default the entry will not be present in the "pkgs.lst", If the User wants to clean the Application partition, user should add the "CleanAppl.bin" File name in the "pkgs.lst" and copy the file with updated "pkgs.lst" into the device before running update process. If any patches have previously been installed that they should either be removed prior to updating the OS Or the "CleanAppl.bin" should be included in the update package to ensure those older patches are no longer installed

#### **WLAN - Fusion Release Notes XWING 2.01-54R:**

- SPR23692 - Resolved an issue whereby the Fusion radio is unavailable when resuming after several suspends
- SPR 24346 - Resolved an issue whereby Ping loss and wlan disconnects occur when the device receives death.
- SPR 24320 - Resolved an issue whereby Telnet session disconnects during roam.
- SPR 23794 - Resolved an issue whereby Radio firmware recoveries occur (leading to WLAN disconnects).
- SPR 23661 - Resolved an issue whereby New fusion GPD file created when exporting fusion data stores does not modify the options contained in the export on a new "Out of Box" device.
- SPR 20750 - Resolved an issue When starting the Wireless Configuration Editor if it is already running, the check for conflicts sometimes doesn't work properly.
- On CE7.0 devices, Trusted Authority Certificates do not get auto imported on a cold boot from \Application folder like in CE5.0.
- The MU is not performing an OKC Roam when roaming to a second AP.
- Lock up sometimes occurs during warm boot.
- Crash is seen occasionally when connected to network through WPA2 profile.
- Stack corruption occurs when querying SSID list when GenRAL NDIS command times out.
- Crash occurs in initialization of GPD.

#### **Scanner - SPR Fixes:**

- SPR23241 - Added support for QR FNC1 Barcode Symbology.
- SPR21692 - Resolved an issue whereby disabling adaptive scanning at start up was not working when configured to be disabled through a registry key.
- SPR22117 - Resolved an issue where a 1D SE-960 scan engine is not meeting the spec.
- SPR22625 - Narrow beam is set as default for Lorax.
- SPR22647 - Resolved an issue whereby an RS507 connected through Bluetooth, slows down when scanning.
- SPR22940 - Resolved an issue whereby the 1D SE960 medium beam setting is not possible to be selected.
- SPR23710 - Improved the Scanning Performance for SE960 and SE950 scan engines.

- SPR21239 - Resolved scanning issue seen on Lorax when using through DataWedge where it stops scanning.

### **MC55N0 Specific Changes/Known Issues:**

- SPR22027 - Resolved an issue where in with or without pick list enabled, the imager most of the time scans wrong barcode
- SPR24213 - Resolved an issue where by multiple key pressing cause keyboard stuck and one key repeats in the loop till reboot
- SPR19313 - Added registry key to prevent the SD card from un-mounting when removing the battery.
- SPR21081 - Resolved an issue to show correct printer name in the registry.
- SPR19650 - Resolved an issue where by battery part numbers were reported incorrectly
- SPR23220 - Resolved an issue with SS1 Bluetooth stack, where in Bluetooth connection was lost when using Audio Gateway or Headset profile
- SPR23279 - Resolved issue where in Bluetooth Explorer crashes when switching between Wizard/Explorer modes.
- SPR22761 - Resolved an issue whereby the device locks up when trying to access the web link on IE
- SPR23015/23049/23623 - Resolved key repeat issue caused due to missing Key\_UP event.
- SPR22012/21747 - Resolved an issue where by the trigger on the gun device does not work when the keyboard is disabled via CtlPanel.
- SPR21940/21706 - Resolved an issues where by opening COM port either by Serial App Or Pocket Browser meta tag causes to show junk characters.
- SPR22214 - Resolved an issue with Imager APIs, whereby the Camera took lot of time to take a picture.
- SPR24119 - Resolved an issue where by Bluetooth connection was getting terminated after 24 hours of active connection.
- SPR20717 - Resolved an issue whereby the Blue and Orange function keys were not indicating the respective key state.
- SPR21180/ SPR22372/ 23079 - Resolved Imager API issue whereby the camera driver returned Fragmented images.
- SPR19505 - Resolved Serial communication issue whereby at baud of 2400 (or 1200) communication does not work correctly
- SPR20999 - Resolved an issue whereby the Datawedge stops scanning.
- SPR20467 - Resolved an issue with "SetRegistryContext" API.
- SPR21794 - Resolved an issue whereby the Gain adjustments were not persistent after a timeout suspend.
- SPR21954 - Resolved a BT Explorer issue seen on Stone Street stack when the device moves from trusted to untrusted during reboot
- SPR24105 - Resolved EMDK compatibility issue seen with calling EMDK Battery API with SMART\_BATTERY\_STATUS\_STRUCT structure.
- SPR23994 - Resolved an issue whereby the Illumination goes off after 5 to 10 scans with Pick list ON
- SPR23889 - Send data option now has settings to convert data to uppercase or lowercase.
- SPR23081 - Treat data as binary option now has a setting to treat all the data as ASCII data.
- SPR21527 - Resolved EMDK installation issue whereby Symbol.StandardForms.dll was not getting installed.

- SPR21170 - Resolved an issue where on few units, after performing a cold boot with phone ON was resulting in the phone OFF state.
- SPR21356 - Resolved an issue on localized OS whereby the title bar text on Settings applet shows boxes instead of actual text.
- SPR22759 - Removed EVDO GPS registry settings that overwrites the SiRF GPS registry setting
- SPR22570 - Resolved an issue with RS507 miss-decoding when using MS BT stack.
- SPR23421 - Microsoft resolved an issue whereby the cursor focus was changing to next tab while swiping with stylus to highlighting within the text box.
- SPR23493 - Microsoft added Secure Renegotiation support into the AKU, whereby the clients responds when the server wants to renegotiate the connection.
- SPR22769 - Microsoft resolved an issue whereby the OS did not support current Russian time zones.
- SPR23319/23112 - Microsoft resolved issues whereby RDP displays grid lines on remote windows applications
- SPR23189 - Resolved an issue with full screen handwrite on WM6.5 Traditional Chinese Localized OS
- SPR23343 - Resolved an issue with Remote Desktop whereby pressing ALT + F (to open file menu) in remote desktop, the ALT Key was not getting released once the F Key is pressed.
- SPR21578 - Resolved an issue whereby RAS connection was not getting terminated or continued when the unit is removed from the vehicle.
- SPR21129 - Resolved an keyboard remapping issue seen on Japanese OS whereby when the Keypad Orange state is on, some of the key codes generated are incorrect.
- SPR20790 - Resolved an issue seen whereby it shows up an Unidentified USB error message when the device wakes up from suspended when on cradle.
- SPR21921 - Resolved an issue whereby screen black's out but the device is still functional which can be verified through remote desktop application.
- SPR24758 - Resolved an issue where by inconsitent Trigger wakeup behavior is seen when using TRG5500 and MC55A0

### **Fixes and Known Issues in MSP Agent v7.08.42:**

"For MSP release notes, see Support Central and refer to the Release Notes document for the latest MSP release."

- Mobility Services Platform 4.2 Release Notes

#### **Known Issues:**

- Default Team Express Private call key is not mapped to any key. User must configure the key before starting the session

#### **Known issues in the Windows Mobile Products:**

- By default Input panel applet is not displayed in Start->Settings->Personal page due to a known issue from Microsoft wherein the user will not be able to close the Input panel applet.

As a workaround if enabled, the applet can be closed using the "OK" button on the hard keyboard.

Remove the below registry entry and reboot, to display the "Input" applet under Settings\Personal page.

**"Redirect"=""**

which is present in the following section:  
[HKEY\_LOCAL\_MACHINE\ControlPanel\Input]

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1. 55N0w65HdeAB024704.APF AirBeam Package - German.
2. 55N0w65HdeUL024704.zip UpdateLoader Package - German.
3. 55N0w65HfrAB024704.APF AirBeam Package - French.
4. 55N0w65HfrUL024704.zip UpdateLoader Package - French.
5. 55N0w65HitAB024704.APF AirBeam Package - Italian.
6. 55N0w65HitUL024704.zip UpdateLoader Package - Italian.
7. 55N0w65HsiAB024704.APF AirBeam Package - Spanish.
8. 55N0w65HsiUL024704.zip UpdateLoader Package - Spanish

## DEVICE COMPATIBILITY

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

Device	Operating System
MC55N0	Windows Mobile 6.5 Classic

## INSTALLATION REQUIREMENTS

MC55N0 device must contain a released version of WM6.5 Software.

## INSTALLATION INSTRUCTIONS

*IMPORTANT NOTES FOR Upgrading and Downgrading MC55N0 Device to/from BSP47 (v2.47.04) RevB*

### **Update Loader Package:**

**Standard Update Procedure** -Device is cleaned of all persistent and not the application data. use this to update your device to a newer version of the OS.

**Procedure:**

1. Download the Update Loader Package 55N0w65HxxUL024704.zip
2. Unzip the package and copy all files into either the \Temp folder on the device or at the root directory of a Storage Card.
3. If the contents are copied to SD card then place the SD card in the device to be upgraded.
4. Place the device to be upgrade on an A/C power.
5. Navigate to the SD Card ore \Temp folder and invoke the program STARTUPDLDR.EXE.
6. The update will take about 5 minutes to complete.Please do not remove the device from A/C power during this time.
7. Once the download completes and the system reboots, the update is complete and the device is ready for use.

**Airbeam Users:**

**Standard Update Procedure** - This method erases all data in the Persistent storage of the device.

**Procedure:**

1. Download the AirBeam OSUpdate Package 55N0w65HxxAB024704.APF
2. Apply the AirBeam OS Update package 55N0w65HxxAB024704.APF
3. Once the download completes and the system reboots, the update is complete and the device is ready for use.

**Downgrade to RevA v01.36.17 - Standard Downgrade Procedure:****Procedure:**

1. Download the Update Loader Package 55N0w65HxxUL013617.zip
2. Unzip the package and copy all files into either the \Temp folder on the device or at the root directory of a Storage Card.
3. If the contents are copied to SD card then place the SD card in the device to be upgraded.
4. Place the device to be upgrade on an A/C power.



5. Navigate to the SD Card ore \Temp folder and invoke the program STARTUPDLDR.EXE.
6. The update will take about 5 minutes to complete. Please do not remove the device from A/C power during this time.
7. Once the download completes and the system reboots, the update is complete and the device is ready for use.

**For Devices having Oruts display**

Downgrading from Rev B v02.47.04 to RevA v01.36.17 is not allowed, since Rev A images doesn't support "Ortus display".

## PART NUMBER AND RELEASE DATE

1. 55N0w65HdeAB024704
2. 55N0w65HdeUL024704
3. 55N0w65HfrAB024704
4. 55N0w65HfrUL024704
5. 55N0w65HitAB024704
6. 55N0w65HitUL024704
7. 55N0w65HsiAB024704
8. 55N0w65HsiUL024704

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