



# MC67ND OPERATING SYSTEM BSP

## 03.51.03 RELEASE NOTES

### INTRODUCTION

Give your field workforce all the tools they need to work faster and smarter with the rugged 4G HSPA+ and CDMA / EVDO MC67. With the MC67, your workers can do whatever it takes to get the job done. Access information in your backend system. Scan practically any bar code in almost any condition. Capture documents to simplify recordkeeping. Take and send video and photos for real-time repair support. Call a customer with an arrival window. All at 4G HSPA+ or CDMA / EVDO speed. So whether your workers are involved in sales, service, deliveries, inspections or issuing citations, they have the tools they need to improve efficiency, accuracy and customer service — all in one rugged device that loves life in the field.

Update Loader Image 03.51.03 contains the Software required to update an MC67ND device to the Rev C software release.

### DESCRIPTION

General Enhancements in 03.51.03:

- Microsoft - Windows Embedded Hand held - AKU 29299.5.3.12.35
- Fusion Software 2.01.0.0.091R
- External Agent 2.54
- RIL 02.05.13.13
- Data Wedge 3.6.10
- Added support for "Ortus Display".
- Hardware Beep support for Scanning
- ALC support for Audio

General Fixes

- Included eMscript and CaptureDump tools as part of OS

- General Scanner Performance Improvements
- Removed Microsoft deprecated "Marketplace"
- Fixed an issue where backlight applet crashes sometimes
- Scan Decode LED Time reduced to 500ms to save power

## SPR FIXES

### Scanning :

SPR 23938 - Resolved an issue whereby Unexpected points or lines appear when touching the screen.

SPR 25132 - Resolved an issue whereby Scanner Laser beam stays on

SPR 24395 - Resolved an issue whereby Exceptions are seen while quick scanning with Yodel Customer Application and pistol grip attached to MC67NA

SPR 24172 - Resolved an issue whereby ScanSample2/DataWedge application locks up with wired RS507 and scanner stops decoding barcodes if RS507 trigger is kept on pressing and released.

### GPS :

SPR 26449 - Resolved an issue whereby GPS accuracy was incorrect on MC67XX device

SPR 26495 - Resolved an issue whereby GPS offset was incorrect on MC67XX Device

SPR 25207 - Resolved an issue whereby GPS stop working with customer Yodel.

SPR 26021 - Resolved an issue whereby GPS config info was wrong

SPR 24579 - Resolved an issue whereby MC67XX OEM 27.36 GPS date-time is incorrect on 31th of the month

### WAN :

SPR 27743 - Resolved an issue where by PXS8 - E,F date code WAN modules fail with Rel.03.001 A-Revision 01.006.10 WAN firmware -This issue can be resolved by installing



PXS8\_FW03.001\_06\_R\_V2.CAB/PXS8\_FW03.001\_06\_R\_V2.apf(AirBeam)  
released as part of this release

SPR 24749 – Resolved an issue whereby Phone modem turned off and fails to turn on until after device reboot

SPR 25227 - Resolved an issue whereby Verizon data connection fails after switching back to CDMA when a custom GSM data connection is configured in Connection Manager under My ISP

SPR 23767 - Resolved an issue where by the phone radio goes off when USB port is unable to resume from suspend

SPR 25417 - Resolved an issue whereby device Randomly loses IP and disconnects from Verizon data network after being out of coverage for some time and then returning to coverage

SPR 25904 - Resolved an issue whereby Ril driver generate nitz for every data transfer

**Generic MC67XX Specific Fixes:**

SPR 25362 - Resolved an issue whereby Battery swap GUI doesn't appear after editing the battery swap options

SPR 24738 - Resolved an issue whereby Device back light is enabled every time device synchronized with Microsoft Exchange

SPR 24916 - Resolved an issue whereby MC67XX becomes Blackscreen While Taking a Snapshot Cascade Failure

SPR 24804 - Resolved an issue whereby MC67XX Color camera takes much longer time to capture images compared to other devices

SPR 23513 - Battery optimization fixes

SPR 23947 - Resolved an issue whereby unit takes 50-70 ms to catch exceptions instead of 1-2 ms

SPR 24752 - Resolved an issue whereby SD card is not seen during staging Sandisk SDSDQ-4096

SPR 24245 - Resolved an issue whereby Suspend / Resume Lockup is observed during normal operation (I2C)

SPR 24133 - Resolved an issue whereby Strings inside the SIM Toolkit are truncated

SPR 24771 - Resolved an issue whereby MC67XX screen blacks out or freezes when taking picture using pictures and videos app

SPR 24811 - Resolved an issue whereby MC67XX Freezes with SQL DB test app running after 2nd power key suspend

SPR 24235 - Resolved an issue whereby Charging LED is off when in powered cradle (single or 4-slot cradle)

SPR 25537 - Resolved an issue whereby MC67XX - Zebra MZ320 BT dropout after suspend-resume

SPR 24018 - Resolved an issue whereby MC67XX can't print through USB with 0 byte bulk transfers, using printpad or Oneil MF4TE Printer

SPR 25362 - Resolved an issue whereby Battery Swap app is non-functional

SPR 24905 - Resolved an issue whereby Device gets stuck on WEH Splash Screen

SPR 24640 - Resolved an issue whereby AirBEAM package provided with BSP v02.28.19 fails to update the MC67XX.

SPR 23454 - Resolved an issue whereby Ukmail MC67XX - BSP27.36 - Device Lockup ( Black Screen or Display OFF)

SPR 24418 - Resolved an issue whereby MC67XX - Lockup when doing Battswap

SPR 23885 - Resolved an issue whereby Ukmail MC67XX - BSP27.36 - Backlight Off

SPR 24515 - Resolved an issue whereby MC67XX - SD card not being remounted after suspend/resume or on battswap

SPR 24955 - Resolved an issue whereby Customer (Cognito/DX) Application Hangs Up On Camera Initialization.

SPR 24385 - Resolved an issue whereby Display goes off intermittently when UI layout changes from Portrait to Landscape and vice-versa



SPR 24380 - Resolved an issue whereby Delay is seen when suspending with GRPS connection

SPR 24409 - Resolved an issue whereby MC67XX - YODEL - FILESYS EXCEPTIONS/ERROR SEEN

SPR 23768 - Resolved an issue whereby Inconsistent charging issue was observed

SPR 25994 - Resolved an issue of Cellular Audio Quality where in Customer experiences a very hot mic all the time When in speakerphone mode

SPR 25993 - Resolved an issue whereby Multiple Lockups were observed by Kone where the units become partially or fully unresponsive

SPR 25885 - Resolved an issue whereby Lock-ups happening in the field often when users are accessing the dialer

#### **Notes:**

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 "67NDw65HenCA000001.bin" File name in the "pkgs.lst" and copy the file with updated "pkgs.lst" into the device before running update process. If any Symbol patches have previously been installed that they should either be removed prior to updating the OS Or the "67NDw65HenCA000001.bin"/"67NDw65HenCA000001.apf" should be included in the update package to ensure those older patches are no longer installed

#### **Optional HotFixes:**

The following SPR fixes are available as HotFixes which can be applied on top of this release

- SPR 26947- Incorrect time stamp reported in receiving SMS message.

## **CONTENT**

67NDw65HenZP35103.zip - Update Loader package

67NDw65HenAB35103.zip - Airbeam package

## DEVICE COMPATIBILITY

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

Device	Operating System
MC67ND	Microsoft WEHH 6.5 Professional

## INSTALLATION REQUIREMENTS

MC67ND device must contain a released version of Microsoft WEHH 6.5 Professional

## INSTALLATION INSTRUCTIONS

### Update Loader Package:

**Standard Update Procedure** -Device is cleaned of all persistent storage data. use this to update your device to a newer version of the OS.

1. Download the Update Loader Package 67NDw65HenZP35103.zip

2. Unzip the contents of 67NDw65HenZP35103.zip, after extraction 3 files are available 67NDw65HenSS000219.zip, 67NDw65HenUL035103.ZIP, PXS8\_FW03.001\_06\_R\_V2.CAB

3. Unzip each packages & install in the order 67NDw65HenSS000219.zip, 67NDw65HenUL035103.ZIP, PXS8\_FW03.001\_06\_R\_V2.CAB

a - Copy all files into either the \Temp folder on the device or at the root directory of a Storage Card.

b -If the contents are copied to SD card then place the SD card in the device to be upgraded.

c - Place the device to be upgrade on an A/C power.

d - Navigate to the SD Card or \Temp folder and invoke the program STARTUPDLDR.EXE.

e - The update will take about 5 minutes to complete.Please do not remove the device from A/C power during this time.

f - Once the download completes and the system reboots, the update is complete and the device is ready for use.

4. For detailed instructions please see "INSTRUCTIONS.TXT" which is part of 67NDw65HenZP35103.zip

#### **Airbeam Users:**

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

1. Download the AirBeam OSUpdate Package 67NDw65HenAB35103.zip
2. Apply the AirBeam Update packages
3. Once the download completes and the system reboots, the update is complete and the device is ready for use.
4. For detailed instructions please see "MC67\_MSP\_Installation\_Instructions.txt" which is part of 67NDw65HenAB35103.zip for update through MSP

#### **Downgrade to RevA v01.28.00 - Standard Downgrade Procedure:**

1. Download the Update Loader Package 67NDw65HenUL012800.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 or \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.

**Note: For devices having Ortus display**

- Downgrading from RevC v03.51.03 to RevA v01.28.00 is not allowed on devices having ortus display, since Rev A image doesn't support "Ortus display".
  - To identify display type on the device, go to Start-Settings-System Info-ConfigInfo tab . If display id is COM35H3N81 then device uses Ortus display

## PART NUMBER AND RELEASE DATE

67NDw65HenAB35103

67NDw65HenZP35103

June 05, 2015