

MC3090-Z RFID Customer Release Notes

Customer Release Notes for MC3090-Z (RFID) Released August 2010

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Introduction

The *Customer Release Notes* are designed for the Motorola MC3090-Z RFID mobile computer. The *Customer Release Notes* contain new features, major bug fixes, and a list open issues (not resolved at the time of the release).

The latest support documents updates are available at: <http://www.symbol.com/manuals>

- *MC3090-Z Integrator Guide* (p/n 72E-68900-xx)

Features:

- NXP EAS Support
- Tag Locationing
- Support for Tag Event reporting and Filtering
- Duty Cycle (20% - 100% with a step of 5%)
- GPI port 0 is mapped to Handheld trigger (Yellow Gun or Button)
- Countries supported – Australia, Canada, Chile, Hong Kong, Malaysia, Mexico, Peru, Singapore, Thailand, Uruguay, United States of America

Software Download

There are 2 ways software can be downloaded onto a device; using the on-board Storage Card card or using an AirBEAM upgrade.

The software update package includes the files required to update the MC3090-Z RFID Reader.

Please note that for an AirBeam upgrade, AirBEAM Smart is required in order to upgrade the readers. Select the appropriate package for the update method being used. The Software Release Files table lists the updated software files contained in the update packages.

The software download is available at: <http://support.symbol.com>

Note: The entire software update bundle must be used. Do NOT mix the update files with any other products/releases.

Version	File	Date	Size
Software Update Packages			
Storage Card Update Package	30XXw61RFIDSC11004.zip	08/10	37.5 Mb
AirBEAM Update Package	30XXw61RFIDAB11004.zip	08/10	37.5 Mb

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Software Release Files:

Image Type	Version	File Name	Date
Operating System	01.09.03	30XXw61MenOS010903.sig	4/09
Monitor Lite	02.54.553	30XXw61XenML0254XX.sig	4/09
Power Micro	66.05.05	30XXw61RenPM660505.bin	8/09
Splash Screen	00.00.04	30XXw60XenSC000004.bmp	5/07
Clean Persistent Store	00.00.01	30XXw61MenCS000001.sig	4/09
Clean Storage Partition	00.00.01	30XXw61MenCC000001.sig	4/09
Clean Application	00.00.01	30XXw61MenCA000001.sig	4/09
Package list file	-	Pkgs.lst	8/09
Update Loader executable	-	StartUpdLdr.exe	4/09
RFID installer	-	MCRFIDInstall.CAB	08/10

MC3090-Z RFID Software Upgrade

Installation Prerequisites

The following items are required to perform the update procedure:

- MC3090-Z RFID mobile computer with external power supply
- Image Files
- MC3090-Z RFID Integrator Guide (72E-125046-XX) available at: <http://www.symbol.com/manuals>

Installation Instructions:

One of the 2 methods can be used for re-imaging the software. Please follow the steps in sequence.

Storage Card Package Re-Flash:

External AC power must be applied during this software image update procedure. Do not remove the device from A/C power during the upgrade:

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Unzip the contents of **30XXw61RFIDSC11004.zip** onto your PC
Please ensure the steps below are followed in sequence.

Step I. Update **30XXw61MenUPR10903** as below:

1. Copy the contents of 30XXw61MenUPR10903\UpdateLoader (only the files inside, not the whole folder) onto \Storage Card folder on your device.
2. Place the device to be upgraded on A/C power
3. Navigate to the Storage Card and invoke the program STARTUPDLDR.EXE

Note: The update will take about 10 minutes to complete.
Please do not remove the device from A/C power during this time.

After the device comes up, proceed to Step II

Step II. Update **30XXw61RFIDPkg1104** as below:

1. Copy the contents of 30XXw61RFIDPkg1104 (only the files inside, not the whole folder) onto \Storage Card folder on your device.

Note: If your device is charged, it can be taken out of the cradle now.

2. Navigate to the Storage Card and invoke the program **MCRFIDInstall.CAB'**

The device will boot after the installation.

Please note that RFID will disconnect while device is charging, will re-connect when charger is taken out.
LLRP is in \Application\LLRP\MobileLLRP.exe. LLRP is active when LS icon at right bottom of screen is green.

NOTE:

In case you need to update the software image without AC power, Steps to followed for Image update:

- File "ULDRSETTINGS.CFG" contains a flag "AllowUpdateOnBattery"
- The flag "AllowUpdateOnBattery" set to 1 would allow Image update to continue on battery provided Battery life is more than 90%.
(Setting the flag "AllowUpdateOnBattery" to zero would not allow Imageupdate to continue.
Update warning splash screen would be displayed.)
- After editing the file with above information, proceed as in Step I above for your update.

AirBEAM, Re-Flash:

AirBEAM zip file (30XXw61RFIDAB11004.zip) contains two AirBEAM upgrade files.

1. Install 30XXw61MenUPR10903.apf .This includes the OS, Splash and ML update packages.
2. Install package 30XXw61RFIDPkg1104.apf. This updates the RFID components. This is executed silent and device will auto-boot after installation (take abt 7-10 secs)

Note: Please ensure that the files are installed in sequence as mentioned.

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Known Issues

1. Profiles 3, 4,6,7,8 and 9 can work up only to max transmit power of 27dbm.

Questions

For sales related enquiries, contact Motorola at 301 610-6100 (Monday-Friday 8:30 a.m. – 5:00 p.m. EST):
<http://www.symbol.com/rfid>

For technical assistance please call Motorola at 800-653-5350 (24x7 support line):
http://www.symbol.com/services/howto/howto_contact_us.html

Disclaimer

While Motorola has committed its best efforts to providing accurate information in this document, we assume no responsibility for any inaccuracies that may be contained herein, and we reserve the right to make changes to this document without notice.

Motorola, Inc.
One Motorola Plaza
Holtsville, New York 11742-1300
<http://www.symbol.com>



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