

Release Notes – MC32L v01.09.04

[Introduction](#)

[Component Description and Version](#)

[SPR fixes Included](#)

[Additional Fixes and enhancements](#)

[Notes](#)

[Contents](#)

[Device Compatibility](#)

[Installation Requirements](#)

[Installation Instructions](#)

[Part Number and Release Date](#)

Introduction

The Zebra MC3200 Series brings cost effective mobility and user comfort to key based applications within the four walls. The rugged and ergonomic MC3200 offers advanced computing power and data capture capabilities.

Android 5.1.1 Lollipop Operating System is now available for the MC3200 product line and leverages features from the Zebra family of Android products.

Obtaining Android 5.1.1 (Lollipop) options:

- Android 5.1.1 (Lollipop) is available via download only from [Zebra's Support Site](#) for those MC3200 Android 4.1.1 (Jelly Bean) customers with a valid Zebra OneCare service contract.
- MC3200 4.1.1 (Jelly Bean) customers without a valid Zebra OneCare Support contract have two options to get an Android 4.1.1 (Jelly Bean) to Android 5.1.1 (Lollipop) OS upgrade. Option 1 is to purchase a Zebra OneCare support contract. Option 2 is to request upgrade from Zebra Service Depot. Android OS dessert version changes are available and performed at a Zebra approved Service Depot. Please work with your service representative for details on requesting a quote to change the Android OS dessert version on your MC3200. To request a quote for North America, Latin America and Asia Pacific customers contact UpgradesRM@Zebra.com

To request a quote for EMEA customers contact EMEA.CCC@Zebra.com

- MC3200 CE 7.0 customers who seek an OS upgrade must contact Zebra Upgrades Team at upgradesrm@zebra.com for North America, Latin America, Asia Pacific and EMEA.CCC@Zebra.com for EMEA. Zebra can only upgrade a MC3200 CE 7.0 SKU to a released MC3200 Android SKU.

Android 5.1.1 (Lollipop) OS upgrade is only available as a download or Service Depot upgrade. Zebra will not make Android 5.1.1 (Lollipop) available on SKUs shipping out of the factory

This release provides OS update packages for deployment using Recovery mode or MSP.

Component description and version

Component / Description	Version
Product Build Number	01-09-04-L-V0-M1
Android Version	5.1.1
Linux Kernel	3.4.48
Android SDK Level	22
Bluetooth Stack	1.09.00
MSP Rapid Deployment	7.08.86
Scanning	19.9.37.0
Datawedge	6.7.47
MX	7.2.1.2
OSX	TI.51.5.2.13
RxLogger	4.61.0.0
WiFi	FUSION_A_5.00.0.0.026(Radio Equipment Directive Compliant)
PTT	3.1.27
EA	3.64
Device Diagnostic Tool	1.15.0.11
ZSL	3.0.1
SSPAM	4.7
ZVC	1.1.23
StageNow	2.10.1.1389
B2M Elemez	1.0.0.408(Auto Update)
Data Analytics	2.5.0.1100(Auto Update)
App Gallery	3.0.1.14
SOTI Mobicontrol Stage	13.5.0 build 1471
EMDK	6.8.21.1121
Battery Manager	1.3.7
Velocity Client	2.0.7
Android Security Patch Level	2018-03-05

SPR Fixes Included

- **SPR32230/SPR32439/SPR32541** Fixed an issue wherein the installed EAP-TLS authentication certificate is not accessible, causing the device connectivity failures to network.
- **SPR32135** Fixed an issue wherein changing locale from Arabic to English via EMDK shows incorrect locale in settings screen.
- **SPR32365** Fixed an issue wherein scanner beam is illuminated during device reboot.
- **SPR33599** Resolved an issue wherein few system apps were being disabled after Applock whitelist mode was enabled
- **SPR30401** Added an application to read system properties and place them into an XML file which can be consumed by AirWatch, as a method to allow AirWatch to get CFE version and some other information was required.

- **SPR33639** Fixed an issue wherein device stops emitting scan beam after waking up from suspend.
- **SPR29912** Fixed an issue wherein users are not able to install certificates via StageNow/EMDK.
- **SPR32008** Fixed an issue wherein scanning a barcode returns a space instead of embedded carriage return(Newline).
- **SPR32126** Fixed an issue wherein on every reboot, the stock browser was getting enabled back even though it was disabled by user.
- **SPR33372** Resolved an issue wherein Wi-Fi disconnects while roaming.
- **SPR33233** Resolved an issue wherein the DataWedge could not replace separator or non-printable ascii character with \$.
- **SPR32463** Resolved an issue wherein the StageNow File Manager downloads frequently fails due to Socket timeout exception.
- **SPR33852** Added support for scanning Datamatrix Barcode ECC 000-140 decoding

Additional Fixes and enhancements

- Corrections for KRACK vulnerabilities applied.
- Included fix for BlueBorne vulnerability.
- Spectre & Meltdown correction for variant 2.

Notes

1. Out of the box, scan/trigger keys are not mapped to perform PTT functionality. User needs to map any scan/trigger key to BUTTON_L2 from key programmer application from Settings menu to use the PTT call functionality.
2. TCP dump data can be captured using RxLogger, only if network traffic exceeds 5 MB.

Contents

MC32NOLRUJB2L10904.zip	Full Package for JB to L Upgrade (Use this package for upgrading MC32N0 device from Jelly Bean to Lollipop)
MC32NOLAUB2L10904.apf	MSP Full package for JB to L Upgrade (Use this package for upgrading MC32N0 device from Jelly Bean to Lollipop)
M32NOLXXXRUXX10904.zip	Full Package Update for L to L (Use this package for re-flashing the MC32N0 Lollipop device)
M32NOLXXXAUXX10904.apf	MSP Full package update for L to L (Use this package for re-flashing the MC32N0 Lollipop device)
M32NOLXXXRF0000001.zip	Factory Reset (Erases Data & Enterprise partitions)
M32NOLXXXAF0000001.apf	Factory Reset MSP package (Erases Data & Enterprise Partitions)
M32NOLXXXRE0000001.zip	Enterprise Reset package (Erases Data Partition)
M32NOLXXXAE0000001.apf	Enterprise Reset MSP package (Erases Data Partition)

MC32N0LRDL2JB0006.zip	Recovery downgrade package from L to JB (Use this package for downgrading MC32N0 device from Lollipop to Jelly Bean BSP v00006)
MC32N0LADL2JB0006.apf	MSP downgrade package from L to JB (Use this package for downgrading MC32N0 device from Lollipop to Jelly Bean BSP v00006)

Device Compatibility

This software release has been approved for Android MC3200 models mentioned below.

Device	Operating System
MC32N0-GF3HAHEIA	Jelly Bean 4.1.1, Lollipop 5.1.1
MC32N0-GF4HAHEIA	
MC32N0-GI2HAHEIA	
MC32N0-GI3HAHEIA	
MC32N0-GI4HAHEIA	
MC32N0-GL2HAHEIA	
MC32N0-GL3HAHEIA	
MC32N0-GL4HAHEIA	
MC32N0-RL2SAHEIA	
MC32N0-RL3SAHEIA	
MC32N0-RL4HAHEIA	
MC32N0-RL4SAHEIA	
MC32N0-SF4HAHEIA	
MC32N0-SI2HAHEIA	
MC32N0-SI3HAHEIA	
MC32N0-SI4HAHEIA	
MC32N0-SL2HAHEIA	
MC32N0-SL3HAHEIA	
MC32N0-SL3SAHEIA	
MC32N0-SL4HAHEIA	

Installation Requirements

1. MC32N0 device running the Android 4.1.1 Jelly Bean and 5.1.1 Lollipop operating system

Installation Instructions

Note: Battery must be **30%** charged to perform update.

1. OS Recovery Update Package:

1. Copy the release .zip onto the root directory on a SD card

Note:

- If upgrading from 4.1.1 JB OS to 5.1.1 L OS, please use MC32N0LRUJB2L10904.zip.
- If re-flashing an 5.1.1 L OS unit, please use M32N0LXXXRUX10904.zip.
- If downgrading from 5.1.1 L OS to 4.1.1 JB OS, please use MC32N0LRDL2JB0006.zip.

2. Insert SD into MC3200
3. Press and hold 1+9+Power Key. Unit will reboot at this point

4. Release 1+9+ Power keys and hold gun trigger while unit boots
5. When Android logo appears on the screen release trigger key
6. Press Home key to launch Recovery menu
7. Use up and down arrows to navigate and enter key to select menu items
8. Select "apply update from sdcard"
9. Select the release .zip file package on /sdcard
10. When the update is completed select "reboot system now"

Note: After factory reset or enterprise reset device takes approximately 6 minutes to boot up.
Data persistence is maintained while migrating from JB to L.
Data persistence not maintained while downgrading from L to JB.

Part Number and Release Date

MC32N0LRUJB2L10904
MC32N0LAUJB2L10904
M32N0LXXXRUX10904
M32N0LXXXAUX10904
M32N0LXXXRF0000001
M32N0LXXXAF0000001
M32N0LXXXRE0000001
M32N0LXXXAE0000001
MC32N0LRDL2JB0006
MC32N0LADL2JB0006

January 8, 2019.