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# Release Notes - Zebra MC32 Android L – LifeGuard Update 02 Release

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## Introduction

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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](mailto:UpgradesRM@Zebra.com)

To request a quote for EMEA customers contact [EMEA.CCC@Zebra.com](mailto:EMEA.CCC@Zebra.com)

- MC3200 CE 7.0 customers who seek an OS upgrade must contact Zebra Upgrades Team at [upgradesrm@zebra.com](mailto:upgradesrm@zebra.com) for North America, Latin America, Asia Pacific and [EMEA.CCC@Zebra.com](mailto: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.

## Description

This release contains the following software package which is compatible with the MC32 product.

LifeGuard patches are cumulative and include all previous fixes that are part of earlier patch releases.

## Component Contents

Component / Description	Version
Product Build Number	01-09-04-L-V0-M1
Device Patch Version	2
Android Version	5.1.1
Linux Kernel	3.4.48
Android SDK Level	22
Bluetooth Stack	01.017.00
MSP Rapid Deployment	7.08.86
Scanning	19.9.37.1
Datawedge	6.7.48
MX	7.2.10.2
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 (Critical Patch Level: 2019-03-01)

## 1. CFE v2 Updates:

- ❖ CFE-MC32-L-XX-010904-N-00-02.zip

This CFE is applicable for 01-09-04-L-V0-M1 BSP version.

### a. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-03-01)

Use below link to see the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

### b. Fixes:

- Updated below mentioned components:
  - MXMF – Version 7.2.10.2 (For more detail please refer <http://techdocs.zebra.com>)
  - DataWedge: 6.7.48
  - Bluetooth: 1.017.00
- SPR33977 - Resolved an issue wherein set time zone issue observed with StageNow.

## 2. CFE v1 Updates:

- ❖ CFE-MC32-L-XX-010904-N-00-01.zip

This CFE is applicable for 01-09-04-L-V0-M1 BSP version.

### 1. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-12-01).

Use the below link to see the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

## Device Compatibility

This software release has been approved for Android MC32 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	

## Installation Requirements

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

## Installation Instructions

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PLEASE ENSURE BATTERY LEVEL IS > 30%

### CFE software update procedure for MC32:

#### 1. OS Recovery Update Package (USB method):

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

#### 2. Process through adb sideload:

1. Connect the USB cable from your PC to the device.
2. Go to PC's Command Prompt, type "adb devices" you should get you connected device in the list with key.
3. Enter "adb reboot recovery" from Command Prompt
4. Touch the screen to navigate to the "apply update from ADB" option.
5. Click on HOME key to select the option.
6. On device, once you get the message, "Now send the package...", enter adb sideload add space at the end, then drag and drop the zip file CFE-MC32-L-XX-010904-N-00-02.zip from PC's Command Prompt.
7. Once you get highlighted "reboot system now", Click on HOME key to reboot the device.

After installation completed, goto Settings to check CFE package installed correctly:

- a. Settings-> About Device-> SW components-> Device Patch Version: 2
- b. ADB Shell method: Execute following command from PC's command prompt:  
\$ adb shell getprop ro.device.patch.version  
\$ 2

## Downloadable Software Included in this Release

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Filename	Description
CFE-MC32-L-XX-010904-N-00-02.zip	CFE package update software

Last Revised: <18-03-2019>