



# Zebra MC32 Android L LifeGuard Update 12

## Release Notes – June 2022

### 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.

### Highlights

---

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.

### Software Packages

Package Name	Package Description
CFE-MC32-L-XX-010904-N-00-12.zip	CFE package update software

#### LifeGuard Update 12:

- ❖ CFE-MC32-L-XX-010904-N-00-12.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2022-06-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### LifeGuard Update 11:

- ❖ CFE-MC32-L-XX-010904-N-00-11.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2021-12-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- CVE 2021-1048 Patched the use-after-free security vulnerability which could allow code execution and local elevation of privilege to the kernel from an untrusted application. (SPR 45273)



### LifeGuard Update 10:

- ❖ CFE-MC32-L-XX-010904-N-00-10.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.  
The LG Patch includes the following updated components:
  - Android WebView – Version 93.0.4577.62
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2021-09-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

### LifeGuard Update 09:

- ❖ CFE-MC32-L-XX-010904-N-00-09.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2021-06-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

### LifeGuard Update 08:

- ❖ CFE-MC32-L-XX-010904-N-00-08.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2021-03-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

### LifeGuard Update 07:

- ❖ CFE-MC32-L-XX-010904-N-00-07.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2020-11-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- SPR40507– Resolved an issue wherein the KEYCODE\_BUTTON\_L1 and KEYCODE\_BUTTON\_R1 has been consumed by both barcode scanner and Google chrome client.
- SPR40373– Added Framework support for Keystroke Output "send enter as a string" in Datawedge.

### LifeGuard Update 06:

- ❖ CFE-MC32-L-XX-010904-N-00-06.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2020-08-01)**



Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- SPR37929 – Added configurable delay for continues same key press events so that there would not be any miss key repeats.
- SPR37876 – Resolved an issue wherein combination of Blue and Numeric keys were not working.
- Updated below mentioned Components:
  - Webview updated 84.0.4147.125

#### LifeGuard Update 05:

- ❖ CFE-MC32-L-XX-010904-N-00-05.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2020-05-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Resolved Issues

- SPR37768 - Resolved an issue where CPU utilization caused the device to become hot.

#### LifeGuard Update 04:

- ❖ CFE-MC32-L-XX-010904-N-00-04.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-08-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- SPR37877 - Native browser & web-based application connection issues.
- Updated below mentioned Components:
  - Webview updated 77.0.3865.92

#### LifeGuard Update 03:

- ❖ CFE-MC32-L-XX-010904-N-00-03.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-06-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- Updated below mentioned Components:
  - Webview updated 73.0.3683.90



### LifeGuard Update 02:

- ❖ CFE-MC32-L-XX-010904-N-00-02.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-03-01)**  
Use the below link to see the Android Security bulletin for more information:  
<https://source.android.com/security/bulletin/>

#### Fixes

- SPR33977 - Resolved an issue wherein set time zone issue observed with StageNow.
- 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

### LifeGuard Update 01:

- ❖ CFE-MC32-L-XX-010904-N-00-01.zip  
This CFE is applicable for 01-09-04-L-V0-M1 BSP version.
- ❖ **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	

## Important Links

- **Requirements and Instructions**
  - [Installation and setup instructions](#)
- [Zebra Techdocs](#)
- [Developer Tools](#)

## Component Version Info

Component / Description	Version
Product Build Number	01-09-04-L-V0-M1
Device Patch Version	12
Android Version	5.1.1
Linux Kernel	3.4.48
Android SDK Level	22
Bluetooth Stack	01.025.00
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_5.00.0.0.031 Application: A_5.00.0.0.004 Middleware: A_5.00.0.0.0.5 Radio: A_5.00.0.0.0.12
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: 2022-06-01)
WebView	93.0.4577.62

Last Revised: <27-12-2021>