Zebra MC18 Android L LifeGuard Update 14
Release Notes – March 2021

Highlights

This release contains the following software package which is compatible with the MC18 product.

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

Software Packages

Package Name	Package Description
CFE-MC18N0-L-V0-020902-N-00-14.zip	CFE package update software

LifeGuard Update 14:

➢ CFE-MC18N0-L-V0-020902-N-00-14.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

Android WebView – Version 87.0.4280.141

➢ **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 13:

➢ CFE-MC18N0-L-V0-020902-N-00-13.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS 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/

LifeGuard Update 12:

➢ CFE-MC18N0-L-V0-020902-N-00-12.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

• MXMF – Version 7.2.10.5 (For more detail please refer http://techdocs.zebra.com)

➢ **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/

Resolved Issues

- SPR39558 – Resolved an issue wherein MC18 was not able to retain wlan connection when kept idle for a longer duration.

- SPR38421/SPR37196/SPR37494 – Resolved an issue where MC18 experiences slow Download speed in 802.11AC wave 2 enabled infrastructure.

- SPR38379 – Resolved an issue wherein programmatic reboot via MX intermittently failed to perform device reboot.

LifeGuard Update 11:

➢ CFE-MC18N0-L-V0-020902-N-00-11.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS 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

- SPR38988 - Resolved and issue where the DHCP clientid values are displayed in getprop in special characters.

- SPR38198 - Resolved an issue of the false battery over-temperature warnings at boot time, in a cradle, with a discharged battery.

- SPR38683 - Resolved an issue wherein scanner stopped to work when soft trigger and hard trigger was used together.

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

LifeGuard Update 10:

➢ CFE-MC18N0-L-V0-020902-N-00-10.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS 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/

Resolved Issues

- SPR38013 - Resolved an issue where previously scanned data in past reappeared as valid scan data.

LifeGuard Update 09:

➢ CFE-MC18N0-L-V0-020902-N-00-09.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS 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/

  Resolved Issues

    - SPR36598 - Improvement added in WLAN driver to retain connection in a congested environment.

    - SPR37246 - Fixed an issue wherein logging used to get truncated with unexpected EOF error.

    - SPR37196/SPR38421 - Resolved an issue where MC18 experiences slow Download speed in 802.11AC wave 2 enabled infrastructure.

LifeGuard Update 08:

- ➢ CFE-MC18N0-L-XX-020902-N-00-08.zip

  This CFE is applicable for 02-09-02-L-V0-M1 OS version.
  The LG Patch includes the following updated components:

    - MXMF – Version 7.2.10.2 (For more detail please refer http://techdocs.zebra.com)
    - Scanner Framework – 19.53.37.0
    - EKB: 1.7.0.5
    - Bluetooth: 1.017.00

- ➢ **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/

  Resolved Issues

    - SPR35368- Resolved an issue where in device is unable to scan barcode suspend and resume.

    - SPR35362: Resolved and issue where in TC80 NGMS Scanner was not able to decode when HW picklist is enabled.

    - SPR35288 - Fixed an issue wherein initialization of scanner was taking ~1sec.

    - SPR35054 - Added support for reduced quite zone barcode decoding.

    - SPR34844 – Resolved an issue wherein multiple open calls are prevented when multiple application tries to open scanner without releasing previous instance.

    - Updated below mentioned Components:

LifeGuard Update 07:

- ➢ CFE-MC18N0-L-XX-020902-N-00-07.zip

  This CFE is applicable for 02-09-02-L-V0-M1 OS 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/

LifeGuard Update 06:

➢ CFE-MC18N0-L-XX-020902-N-00-06.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

- MXMF – Version 7.2.9.0 (For more detail please refer http://techdocs.zebra.com)
- Enterprise Browser 1.8.0.0

➢ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-09-01).**

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

Resolved Issues

- SPR35025 – Resolved an issue where Proxy Auto Config (PAC) did not work properly following stops/restarts of the PacService

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

- SPR34679 – Resolved an issue wherein setting WiFi Band selection to Auto was not working properly with StageNow.

- Included Zebra Software License Manager v3.1.1.

- SettingsEULA has been renamed to Zebra Data Services.

LifeGuard Update 05:

➢ CFE-MC18N0-L-XX-020902-N-00-05.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

- MXMF – Version 7.2.8.2 (For more detail please refer http://techdocs.zebra.com)
- EMDK – Version 6.8.21.1121
- Staging Client – Version 2.10.1.1389
- DataWedge – Version 6.7.48
- Enterprise Keyboard – Version 1.7.0.2
- Diagnostic Tool – Version 1.15.0.11
- File Browser – Version 1.19.1.2

➢ **Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-06-01).**

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

Resolved Issues

- SPR33599 – Resolved an issue wherein few system apps were being disabled after Applock whitelist mode was enabled.

- SPR33818 – Fixed an issue wherein certain decoder type values were not persisting across a scanner enable/disable cycle.

- SPR33755 – Resolved an issue wherein Whitelisted Apps were unable to submit XML to MX.

- SPR33207 – Implemented Battery Health percentage values for PP+ batteries in the Device Diagnostic App.
- SPR33671 – Resolved an issue wherein the profile creation used to fail if the username included "\" character.
- SPR34267 – Resolved an issue where-in user was not able to enable USB debugging option using StageNow.
- SPR33862/33876 – Fixed an issue where-in user could not set Display Timeout value of 30min using StageNow.
- SPR34145 – Fixed an issue wherein user was unable to connect to WLAN network due to WEP Key Index issue.
- SPR34307/ SPR33607 – Resolved an issue wherein devices out of the box intermittently failed to get staged via StageNow.
- SPR33981 – Fixed an issue wherein Czech Republic could not be set as Regulatory country while configuring WLAN profile using StageNow.
- SPR34614 – Fixed an issue in DataWedge wherein scanner could not be enabled due to quick enabling and disabling of scanner through Intents.
- SPR34804 – Fixed an issue wherein applying MDM Lockdown profile used to fail on KK to L upgrade.
- SPR34805 – Fixed an issue wherein user was unable to copy DW profiles to the autoimport folder via MDM on KK to L upgrade.
- SPR33920 – Fixed an issue wherein devices failed to connect to WLAN network if the country selection is set to Japan.
- SPR34213 – Resolved an issue wherein shared preference initialization without launching EKB.

LifeGuard Update 04:

➢ CFE-MC18N0-L- XX-020902-N-00-04.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:
- DataWedge – Version 6.7.47
- Scanner Framework – Version 18.10.15.00

Resolved Issues

- SPR33299/SPR33444 – Resolved an issue wherein the device was not charged/powering off while in cradle.
- SPR34184 – Resolved an issue wherein the Red LED Illumination beam gets stuck while using Scan Application.
- SPR34368 – Resolved an issue wherein the Apps persist and storage memory was getting low on every reboot after ER/FR.
- SPR33973 – Fixed an issue wherein scanner beam stuck off when pressing scanner button.
- SPR34529 – Resolved an issue wherein the device reboot after a long pressing scanner button.

- SPR32700/SPR34548 – Fixed an issue wherein the 802.11n MCS data rates were disabled to avoid interoperability issue.

LifeGuard Update 03:

➢ CFE-MC18N0-L-XX-020902-N-00-03.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

- MXMF – Version 7.2.0.6 (For more detail please refer http://techdocs.zebra.com)
- EMDK – Version 6.8.20.1120
- Staging Client – Version 2.10.1.1386
- DataWedge – Version 6.7.34
- File Browser – Version 1.19.1.2

➢ **Android Security Patch Level: 2018-03-05**

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

Fixes

- Spectre & Meltdown correction for variant 2.

- SPR33138 - Resolved an issue wherein audio tool was not working on MC18 L due to permission issue.

- SPR33537 - Resolved an issue wherein the device appears to be powering off while in cradle.

- SPR33538 - Resolved an issue wherein scanner beam stuck off when pressing scanner button.

- SPR33639 – Resolved an issue wherein the device stops emitting scan beam after waking up from suspend.

LifeGuard Update 02:

➢ CFE-MC18N0-L-XX-020902-N-00-02.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.
The LG Patch includes the following updated components:

- MXMF – Version 7.1.1.0 (For more detail please refer http://techdocs.zebra.com)
- DataWedge – Version 6.6.49
- EMDK – Version 6.7.10.1010
- Staging Client – Version 2.9.1.1344

➢ **Android Security Patch Level: 2017-12-05**

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

Resolved Issues

- SPR33233 - Resolved an issue wherein the DataWedge 6.2.24 could not replace separator or non-printable ascii character with $.

- SPR32463 - Resolved an issue wherein the StageNow File Manager downloads frequently fails due to Socketimeout exception.

- SPR32676 - Resolved an issue wherein DataWedge crashes due to velocity application profile creation.

LifeGuard Update 01:

➢ CFE-MC18N0-L-XX-020902-N-00-01.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.

➢ **Android Security Patch Level: 2017-07-05**

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

Fixes

- Corrections for KRACK vulnerabilities applied.

- SPR33137 – Updated EB v1.7.1

- SPR31340 -- Added support to enable/disable Network Monitoring Notification.

- SPR32731 -- Resolved an issue wherein EMDK crash was observed.

Device Compatibility

This software release has been approved for Android MC18 models mentioned below.

Device	Operating System
MC18	Android 5.1.1

Important Links

- **Requirements and Instructions**
    - o Installation and setup instructions
- Zebra Techdocs
- Developer Tools

Component Version Info

Component / Description	Version
Build Number	02-09-02-L-V0-M1
Device Patch Version	14
Android version	5.1.1
Android_SDK_Level	22
Android Security Patch Level	2018-03-05 (Critical Patch Level: 2021-03-01)

OSX	TI.51.5.2.13
Linux_kernel	3.4.48
Wifi	FUSION_A_5.00.0.0.031 Application: A_5.00.0.0.004 Middleware: A_5.00.0.0.5 Radio: A_5.00.0.0.12
X_loader	1.41.0(2017-Oct-9)
U_boot	1.1.5(2017-Oct-9)
Platform	TI - omap4430- 4AJ22
Scanning_Framework	19.58.37.1
DWDemo	2.0.13
MXMF	7.2.10.5
EA	3.62
SSPAM	4.7
Touch	Atmel mXT224
Bluetooth_Stack	01.024.00
Partation_table	NA
Flash_Size	4G
RAM_Size	1G
GPS	NA
MMS	NA
RIL_Version	NA
MSP_Agent_RD	7.08.86
Datawedge	6.7.51

RxLogger Utility	4.58.5.0
StageNow	2.10.1.1389
B2M_Elemez	1.0.0.352
Data_Analytics	3.7.1.1002
EnterpriseBrowser	1.8.0.0
App_Gallery	3.0.1.7
SOTI	12.2.0 Build 23469
EMDK	6.8.24.1124
Zebra Volume Control (ZVC)	1.1.23
File_browser	1.19.1.2
BatteryManager	1.3.7
Device Diagnostic tool	1.15.0.11
WorryFreeWiFi (SMART MU)	2.3.3 App-2.3.7
Enterprise Keyboard (EKB)	1.7.0.5
Zebra Software License Manager	3.1.1
Zebra Data Services	1.0.0.1002
WebView	87.0.4280.141
Image Kit	IMGKIT_8.02T01.18

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