Zebra MC40 Android L LifeGuard Update 16 – Voice/Non-Voice
Release Notes – September 2021

Description

This release contains the following software package which is compatible with the MC40 product.

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

Downgrade to LifeGuard Update 01 is not allowed.

Component Contents

Package Name	Package Description
CFE-MC40N0-L-V0-030703-N-00-16.zip	CFE package update software for MC40 L Voice/Non-Voice build

1. **CFE v16 Updates:**
   - ❖ CFE-MC40N0-L-V0-030703-N-00-16.zip (Voice/Non-Voice)

      This CFE is applicable for 03-07-03-L-V0-M1 OS 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/

2. **CFE v15 Updates:**
   - ❖ CFE-MC40N0-L-V0-030703-N-00-15.zip (Voice/Non-Voice)

      This CFE is applicable for 03-07-03-L-V0-M1 OS 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/

3. **CFE v14 Updates:**
   - ❖ CFE-MC40N0-L-V0-030703-N-00-14.zip (Voice/Non-Voice)

      This CFE is applicable for 03-07-03-L-V0-M1 OS 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/

4. CFE v13 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-13.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

5. CFE v12 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-12.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-L-V0-M1 OS 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/

6. CFE v11 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-11.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-11.zip' includes the following fixes

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

7. CFE v10 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-10.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-10.zip' includes the following fixes

- SPR37640 - Resolved an issue where device is not sending any data packet after roaming.

8. CFE v9 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-09.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

9. CFE v8 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-08.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-L-V0-M1 OS 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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-08.zip' includes the following fixes

- 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.

- SPR35425 - Resolved an issue where time zone was being displayed twice.

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

10. CFE v7 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-07.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

11. CFE v6 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-06.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-L-V0-M1 OS version.

❖ **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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-06.zip' includes the following fixes

- 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.
- Updated below mentioned components:
  - o MXMF – Version 7.2.9.0(For more detail please refer http://techdocs.zebra.com)
  - o Scanner Framework – 18.10.15.0

12. CFE v5 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-05.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-L-V0-M1 OS version.

❖ **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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-05.zip' includes the following fixes

- SPR33599 – Resolved an issue wherein few system apps were being disabled after Applock whitelist mode was enabled.
- SPR33329 – Added support to enable/disable DND mode via Intent.
  - o To Enable DND mode – send intent "com.symbol.intent.action.VOLCTRL_MODE" with Extra state as "1" followed by a reboot.
  - o To Disable DND mode – send intent "com.symbol.intent.action.VOLCTRL_MODE" with Extra state as "0" followed by a reboot.
- SPR33755 – Resolved an issue wherein Whitelisted Apps were unable to submit XML to MX.
- 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.

- SPR33973 – Fixed an issue wherein scanner beam stuck off when pressing scanner button.

- 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.

- SPR34213 – Resolved an issue wherein EKB configuration failed to be applied while staging using StageNow.

- Updated below mentioned Components:

  - MXMF – Version 7.2.8.2
  - 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 (Added as an System application with this CFE 05).
  - Diagnostic Tool – Version 1.15.0.11
  - File Browser – Version 1.19.1.2

13. CFE v4 Updates:

- ❖ CFE-MC40N0-L-V0-030703-N-00-04.zip (Voice/Non-Voice)

  This CFE is applicable for 03-07-03-L-V0-M1 OS version.

- ❖ **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/

  The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-04.zip' includes the following fixes:

- Spectre & Meltdown correction for variant 2.

- Updated below mentioned TUT Components:

  - DataWedge – Version 6.7.34
  - EMDK – Version 6.8.20.1120
  - MXMF – Version 7.2.0.6

- o Staging Client – Version 2.10.1.1386
- o File Browser – Version 1.19.1.2
- 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.

14. CFE v3 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-03.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-L-V0-M1 OS version.

❖ **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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-03.zip' includes the following fixes:

- Updated below mentioned TUT components:
  - o DataWedge - Version 6.6.50
  - o EMDK - Version 6.7.10.1010
  - o MXMF - Version 7.1.2.1
  - o Staging Client - Version 2.9.1.1362

- 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.
- SPR32484 - Resolved an issue wherein customer was facing touch issues with keypad/numpad after updating from KitKat to Lollipop.
- SPR33138 - Resolved an issue wherein audio tool was not working on MC40 L due to permission issue.
- SPR33168/33392 – Resolved an issue wherein there was no option to disable Home Screen Button and Recent Items Button.

15. CFE v2 Updates:

❖ CFE-MC40N0-L-V0-030703-N-00-02.zip (Voice/Non-Voice)

This CFE is applicable for 03-07-03-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/

The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-02.zip' includes the following fixes:

- Corrections for KRACK vulnerabilities applied.

- SPR33372 – Resolved an issue wherein Wi-Fi disconnects while roaming.

16. **CFE v1 Updates:**

- ❖ CFE-MC40N0-L-V0-030703-N-00-01.zip (Voice/Non-Voice)

   This CFE is applicable for 03-07-03-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/

   The CFE Package 'CFE-MC40N0-L-V0-030703-N-00-01.zip' includes the following fixes:

- Resolved an issue in MX to prevent leakage of configuration parameters.
- Included fix for BlueBorne vulnerability.

Device Compatibility

This software release has been approved for Android MC40 Lollipop Voice/Non-Voice model mentioned below.

Voice SKU	Non-Voice SKU
MC40N0-SCG3RM1	MC40N0-SCG3RM0
MC40N0-SCG3R01	MC40N0-SCG3R00
MC40N0-SCJ3RM1	MC40N0-SCJ3RM0
MC40N0-SCJ3R01	MC40N0-SCJ3R00
MC40N0-HCJ3R01	MC40N0-HCJ3R00
MC40N0-SLK3R01	MC40N0-HCG3R00
MC40N0-SLK3RM1	
MC40N0-HLK3R01	
MC40N0-SCJ3RM102	

Important Links

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

Component Version Info

Component / Description	Version
Build version	03-07-03-L-V0-M1
Device Patch Version	16
Android version	5.1.1

Android_SDK_Level	22
Android Security Patch Level	2018-03-05 (Critical Patch Level: 2021-09-01)
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-Aug-18)
U_boot	1.1.4(2017-Aug-18)
Platform	MC40
Scanning_Framework	19.53.37.0
DWDemo	2.0.13
MXMF	7.2.10.2
Touch	Focaltech FT5X46
SSpam	0.6 (NA for RevC HW, only for TRS/B HW)
Bluetooth_Stack	01.025.00
Partition_table	NA
Flash_Size	8G
RAM_Size	1G
GPS	NA
MMS	NA
RIL_Version	NA
BT_Pairing_Utility	3.7

MSP_Agent_RD	7.08.86
Datawedge	6.7.48
Camera	2.0.002 (180925-30)
PTT	3.1.32
RxLogger Utility	4.61.0.0
StageNow	2.10.1.1389
B2M_Elemez	1.0.0.352
Data_Analytics	1.0.2.2091
App_Gallery	3.0.1.7
SOTI	12.2.0 Build 23469
EMDK	6.8.21.1121
WorryFreeWiFi (SMART MU)	2.3.3 App-2.3.7
Zebra Volume Control (ZVC)	1.1.23
BatteryManager	1.3.7
Device Diagnostic tool	1.15.0.11
Enterprise Keyboard (EKB)	1.7.0.5
Zebra Software License Manager	3.1.1
WebView	93.0.4577.62
Zebra Data Services	1.0.0.1002

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