Release Notes – Zebra MC40 Android L – LifeGuard Update 04 Release for Voice

Contents

Description

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

CFE v4:

❖ CFE-MC40N0-L-V0-021104-N-00-04.zip (Voice)

This CFE is applicable for 02-11-04-L-V0-M1 OS version.

This release contains following fixes and updates from previous release.

1. **Android Security Patch Level: 2017-09-05**
Use the link to refer the Android Security bulletin for more information:
https://source.android.com/security/bulletin/

2. **Fixes:**

   CFE v4:
   - Updated below mentioned components:
     ◦ MXMS - Version 6.3.1.101
     ◦ DataWedge - Version 6.4.18
     ◦ EMDK - Version 6.5.12.812
     ◦ Stageing Client - Version 2.7.2.1039
   - Resolved an issue in MX to prevent leakage of configuration parameters.
   - Included fix for BlueBorne vulnerability.
   - SPR32365 – Resolved an issue wherein the Scanner being enabled throughout reboot.
   - SPR32484 -- Resolved an issue wherein customer were facing touch issues with novatec touch panel.

   CFE v3
   - Updated below mentioned components:
   - MXMs – Version 6.2.3
   - DataWedge – Version 6.3.41

- EMDK – Version 6.4.9.709
- Staging Client – Version 2.7.1.1088
- SPR29912 - Resolved an issue wherein certificates installation failed through stagenow.
- SPR32008 - Resolved an issue wherein scanning PDF417 barcodes which contain embedded 0x0D characters resulted in continuous line of data instead of displaying in different lines.
- SPR32126 - Resolved an issue wherein Stock Browser gets enabled automatically after reboot even though user has disabled the app in settings.
- SPR32135 - Resolved an issue wherein Settings screen does not revert to its normal state even though the locale language is changed Arabic to English via EMDK.
- SPR32193/SPR32230/SPR32540 - Resolved an issue wherein devices experiencing authentication failures, and were not able to recover.
- SPR32346 - Resolved an issue wherein proximity sensor's sensitivity was very high compared to other hardware.

CFE v2:

- SPR29796 - Resolved an issue wherein Android OS error logs seen in the customer application.

- SPR31255/MC-143365 - Resolved an issue wherein device reboot randomly when scrolling through the settings application.

- SPR31707 - Updated scanning framework version 16.15.34.0.

- SPR30401 - Added support to get the CFE version for MDM clients.

- SPR31203 - Resolved an issue wherein audio volume is degraded during VOIP calls.

- SPR31243 - Resolved an issue wherein user is unable to answer incoming VOIP calls.

- SPR30402 - Resolved an issue wherein the device does not notify the access point about power save while roaming.

- SPR30025 - Resolved an issue wherein the device experience audio disruption during VOIP call.

- SPR31036 - Resolved an issue wherein device was experiencing high degree of disruption to voice quality during VOIP calls.

- SPR31071 - Resolved an issue where the WLAN radio disconnects or falls back to "FT over Air" when "FT over DS" option is enabled in 802.11r.

- SPR30458 - Resolved an issue wherein Toggling Wi-Fi ON/OFF repeatedly causes a Kernel Panic and reboot.

- SPR31955 - Resolved an issue wherein some VPN clients cannot connect to server over WLAN due to an incorrect state being reported.

- SPR30135 - Resolved an issue wherein WLAN radio does not roam to DFS channels that resulted in stickiness or disconnect.

- SPR31247 - Resolved an issue wherein WLAN radio fails to roam sometimes when fast transition (802.11r) is enabled on the infrastructure.

- SPR30157 - Resolved an issue wherein the device experienced reboot due to null pointer dereference.

- SPR30259 - Resolved an issue wherein the device encounters random reboots while roaming in 802.1x Infrastructure.

CFE v1:

- Resolved random reboot and ANR related stability issues.

- SPR31340 - Added feature to enable/disable Network Monitoring Notification when certificate Installed.

- Added Zebra patch version value in Settings to identify the CFE Patch version.

Device Compatibility

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

Device
MC40N0-SCG3RM1
MC40N0-SCG3R01
MC40N0-SCJ3RM1
MC40N0-SCJ3R01
MC40N0-HCJ3R01
MC40N0-SLK3R01
MC40N0-SLK3RM1
MC40N0-HLK3R01
MC40N0-SCJ3RM102

Component Contents

Component / Description	Version
Product Build Number	02-11-04-L-V0-M1
Zebra Patch Version	4
Android Version	5.1.1
Wifi	FUSION_A_5.00.0.0.022

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)
- MC40 should have baseline:
  - 02-11-04-L-V0-M1

Installation Instructions

BEFORE UPDATING THE OS IMAGE, EXTERNAL POWER MUST BE APPLIED TO THE TERMINAL VIA USB CHARGING CABLE. PLEASE ENSURE BATTERY LEVEL IS > 30%

CFE package software update procedure for MC40:

Process through Device Storage:

1. Connect the USB cable from your PC to the device.

2. Make sure MTP mode is selected in the device USB settings and MTP drivers are installed in your PC.

3. The internal SD card of MC40 will be seen in your PC as mounted drive MC40N0.

4. Copy the recovery update zip file "CFE-MC40N0-L-V0-021104-N-00-04.zip" to the root folder on internal SD card.

5. Press and hold the Power button on the device until the Device options menu appears.

6. Tap on Reboot to reboot the device.

7. When the device is rebooting hold the left Scan/Action button to enter Recovery update mode.

8. When the Recovery Mode screen appears then release the left Scan/Action button.

9. Click on Vol+ or Vol- to navigate to the "apply update from sdcard" option.

10. Click on PTT key to select the option.

11. Click on Vol+ or Vol- to navigate to the recovery update zip file.

12. Click on PTT key to select the recovery update zip file CFE-MC40N0-L-V0-021104-N-00-04.zip.

13. Once you get highlighted "reboot system now", Click on PTT key to reboot the device.

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. Click on Vol+ or Vol- to navigate to the "apply update from ADB" option.

5. Click on PTT 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-MC40N0-L-V0-021104-N-00-04.zip, from PC's Command Prompt.

7. Once you get highlighted "reboot system now", Click on PTT key to reboot the device.

After installation completed, there are 2 methods to check CFE package installed correctly:

    a. Settings->About Device-> Zebra Patch Version : 4
    b. ADB Shell method: Execute following command from PC's command prompt:
        $ adb shell getprop ro.device.patch.version
        $ 4

Download-able Software Included in this Release

Filename	Description
CFE-MC40N0-L-V0-021104-N-00-04.zip	CFE package update software for MC40 L Voice build

Last Revised: <09-27-2017>