Release Notes – Zebra MC40 Android L – BSP v021104 Hotfix CFE v00.02 Release for Voice Non-GMS

Contents

Description

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

CFE v2:

> ❖ **CFE-MC40N0-L-V0-021104-N-00-02.zip** (Voice Non-GMS)

This release contains following fixes and updates from previous release.

1. **Android Security Patch Level: 2017-04-05**

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

2. **Fixes:**

   ➢ **CFE v2:**

   - SPR29796 - Fixed an issue wherein the framework incorrectly or vaguely reports the 'TransactionTooLargeException'

   - SPR31255/MC-143365 - Fixed an issue wherein there was a binder crash due to the deadobject exception.

   - SPR31707 - Corrected issue with scanner framework being unable to set parameters after application goes to background

   - SPR30401 - Created an application which reads the system properties and allow to get CFE version and other information.

- SPR31203 - Resolved an issue wherein there was a degradation in the audio volume during VOIP calls

- SPR31243 - Incorrect drive strength value was being written to the sensor module registers, that will result in the IR LED being driven at a lower current, which has been corrected

- SPR30402 - Fixed an issue wherein MC40 does not notify the Access Point about power save while roaming

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

- SPR31036 - Resolved an issue wherein MC40 was experiencing high degree of disruption to voice quality during VOIP calls.

- SPR31071 - Fixed 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 WiFi ON/OFF repeatedly causes a Kernel Panic and reboot.

- SPR31955 - Resolved an issue in which some VPN clients cannot over WLAN due to an incorrect state being reported.

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

- SPR31247 - Fixed an issue in which the WLAN radio fails to roam sometimes when Fast Transition (802.11r) is enabled on the infrastructure

- SPR30157 - Fixed an issue wherein device experienced reboot due to null pointer
- dereference

- SPR30259 - Fixed an issue wherein 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 Non-GMS 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 Base Build Number	02-02-04-L-V0-M1
Zebra Patch Version	2
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 Patch 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-00-02.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-00-02.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-00-02.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, goto Settings to check CFE package installed correctly:

a. Settings->About Device-> Zebra Patch Version: 2

Downloadable Software Included in this Release

Filename	Description
CFE-MC40N0-L-V0-021104-N-00-02.zip	OTA package for CFE v2 update software for Voice Non-GMS build.

Last Revised: <11-05-2017>