Zebra MC92 Android KK LifeGuard Update 06 Release Notes – May 2020

Description

This release contains following software package which is compatible with the MC92 KK product.
LifeGuard patches are cumulative and include all previous fixes that are part of earlier patch releases.

Component Contents

Package Name	Package Description
CFE-MC92XX-K-00-031308-N-00-06.zip	CFE package update

Component Version Info

Component / Description	Version
Product Build Number	03-13-08-4AJ22-K-00-M1-100617
Android SDK Level	19
Android Version	4.4.4 (KitKat)
Android Security Patch Level	September 5, 2017(Critical Patch Level: May 1, 2020)
Patch Version	06
App Gallery	3.0.1.7
B2M Elemez	1.0.0.352
Battery Manager App	1.3.7
Bluetooth Stack	4
BT Pairing Utility	3.3
Data Analytics	1.0.2.2091

DataWedge	6.3.41
Device Diagnostics	1.15.0.4
DWDemo	2.0.11
EA	2.57
EMDK	6.5.12.812
Linux Kernel	3.4.48
MLogManager	6.52
MX /OSX	6.3.1.1 01/ TL_OSX_4.5-3
PTT	3.1.32
RXlogger	3.0.0.52
Scanner Framework	6.36.0(7.0.1T08.31Kepler_47)
SE4750 firmware	PAABVC04-001-R02D0
SOTI	12.2.0 Build 23434
SPAM	4.1
StageNow	2.7.2.1039
Terminal Emulation	2.0.18.4977
Velocity	1.2.109.17236.1d65d9c
VM Rapid Deployment Client	07.08.86
Fusion	FUSION_A_4.01_0.0.18
Zebra Volume Control	1.1.15
Zebra License Server (ZSL)	3.1.1

CFE v6:

- **CFE-MC92XX-K-00-031308-N-00-06.zip**

    This release contains following fixes and updates:

    Android Security Patch Level: September 5, 2017 (Critical Patch Level: May 1, 2020)

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

    SPR38477 - Resolved an issue wherein devices out of the box intermittently failed to get staged via
    StageNow

    SPR37684 - Resolved an issue where scanned barcode data was being decoded incorrectly
    intermittently for CODE39 symbology

    Updated following Components:
    MX 7.3.1.1

CFE v5:

- **CFE-MC92XX-K-00-031308-N-00-05.zip**

    This release contains following fixes and updates:

    Android Security Patch Level: September 5, 2017 (Critical Patch Level: May 1, 2019)
    Use below link to refer the Android Security bulletin for more information:
    https://source.android.com/security/bulletin/

    1. Updated below mentioned components:
       ➢ Mx: 6.4.1.1
    1. SPR36366 - Resolved an issue where MC92 decode support is not proper for code128 barcode in DataWedge.
    2. SPR36869 - Resolved an issue where SPR36366 fix causes a noticeable lag before scanner is available after reboot.
    3. Scanner Firmware updated (SE4750 firmware - PAABVS00-005-R05
       Image kit (IMGKIT_8.02T01.15)

CFE v4:

- **CFE-MC92XX-K-00-031308-N-00-04.zip**
    This release contains following fixes and updates:

Android Security Patch Level: September 5, 2017 (Critical Patch Level: Feb 1, 2019)

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

CFE v3:

- **CFE-MC92XX-K-00-031308-N-00-03.zip**
  This release contains following fixes and updates:

  Android Security Patch Level: September 5, 2017 (Critical Patch Level: Sept 1, 2018)
  Use below link to refer the Android Security bulletin for more information:
  https://source.android.com/security/bulletin/

  2. SPR35782 - Resolved an issue where RSSI of the device was reported -2dbm less than the actual value

  3. SPR35830 - Resolved an issue where device fails to perform consistent FT roam with certain Infrastructure.

  4. Zebra-EULA (End User License Agreement) is included in Android Settings which allows the end user to view the status of Machine Data collection by Zebra Data Service Agent (ZDS).

  5. Included Zebra Software License Manager (ZSL) v3.1.1

  6. Updated below mentioned components:
     ➢ Mx: 6.4.0.0
     ➢ DW: 6.4.18
     ➢ Fusion : FUSION_A_4.01_0.0.18

CFE v2:

- **CFE-MC92XX-K-00-031308-N-00-02.zip**
  This release contains following fixes and updates:

  Android Security Patch Level: September 5, 2017 (Critical Patch Level: June 1, 2018)

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

  4. Updated DataAnalytics version: 1.0.2.2091

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

6. SPR33512 - Resolved an issue wherein TCPDump rollback was not happening when Change in network connection was detected.

7. SPR33948 - Fixed SSL Exception due to incomplete TLS extension information in client hello packet.

8. SPR34291/34469/34236/34991 - Fixed the issue of double key entries erroneously occurring due to different keyboard sensitivities.

CFE v1:

- CFE-MC92XX-K-00-031308-N-00-01.zip

  This release contains following fixes and updates:

  Android Security Patch Level: September 5, 2017 (Critical Patch Level: March 5, 2018)
  Use below link to refer the Android Security bulletin for more information:
  https://source.android.com/security/bulletin/

  1. Spectre & Meltdown correction for variant 2

Device Compatibility

This software release has been approved for Android MC92 KK models mentioned below.

Device	Operating System
MC92N0-GA0SYxAA6WR	Android 4.4.4
MC92N0-G30SYxAA6WR	Android 4.4.4
MC92N0-GM0SYxAA6WR	Android 4.4.4
MC92N0-GL0SYxAA6WR	Android 4.4.4
MC92N0-GJ0SYxAA6WR	Android 4.4.4
MC92N0-GP0SYxAA6WR	Android 4.4.4

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)
- MC92 should have:
  - Version `03-13-08-4AJ22-K-00-M1-100617` build

Installation Instructions

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

CFE software update procedure for MC92:

1. **OS Recovery Update Package (USB method)**

   a. Connect MC9200 to PC via USB (note, PC must support MTP).

   b. Copy the recovery update zip file to the internal memory of the MC9200. The internal memory will be shown in PC file browser as MC92N0\Internal storage.

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

   d. Tap on Reset to reboot the device

   e. When the device is rebooting hold the gun scan trigger to enter Recovery update mode.

   f. When the Android system recovery screen appears then release the gun scan trigger.

   g. Use keypad arrow keys to select "apply update from emulated storage" option.

   h. Press keypad Enter key to select the option

   i. Use keypad arrow keys to select recovery update zip file.

   j. Press keypad Enter key to select the recovery update zip file.

   k. Press keypad Enter key to select "reboot system now" to reboot the device.

2. OS Recovery Update Package (SD card method)

   a. Copy the recovery update zip file to a SD card.

   b. Suspend the MC92, remove the MC92 keypad, insert the SD card, replace keypad.

   c. Press power key to resume device.

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

   e. Tap on Reset to reboot the device.

   f. When the device is rebooting hold the gun scan trigger to enter Recovery update mode.

   g. When the Android system recovery screen appears then release the gun scan trigger.

   h. Use keypad arrow keys to select "apply update from sdcard" option.

   i. Press keypad Enter key to select the option.

   j. Use keypad arrow keys to select recovery update zip file.

   k. Press keypad Enter key to select the recovery update zip file.

   l. Press keypad Enter key to select "reboot system now" to reboot the device.

3. OS Recovery Update Package (adb sideload method)

   a. Connect the USB cable from your PC to the MC9200 device.

   b. Go to PC's Command Prompt, type "adb devices" you should get your connected device in the list with key.

   c. Enter "adb reboot recovery" from Command Prompt.

d. Press arrow Up-Down keys to navigate to the "apply update from ADB" option.

e. Press keypad Enter to select the option.

f. 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-MC92XX-K-00-031308-N-00-06.zip, from PC's Command Prompt.

g. Once you get highlighted "reboot system now", press Enter 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: CFE-MC92XX-K-00-031308-N-00-06

b. ADB Shell method: Execute following command from PC's command prompt:
    $ adb shell getprop persist.sys.cfe.patchver
    $ CFE-MC92XX-K-00-031308-N-00-06

Last Revised: <15-05-2020>