Release notes for TC75 Android Lollipop to KK BSP 1506 Downgrade Package - LifeGuard Update 06 - GMS
June 2020

Description

This release contains the following software package which is compatible with the TC75 GMS product.
Recovery package includes a forced enterprise reset upon installation. This Package can be used to downgrade OS from Android L to Kitkat.

Component Contents

Package Name	Package Description
FPD-TC75XX-K-XX-001506-G-00-06.zip	Full OS Software Downgrade Recovery package for GMS Update 06 – with Enterprise Reset

Component Version Info

Component / Description	Version
Product Build Number	01-23257-K-G-15-06-00-MV (GMS)
Android Version	4.4.3
Linux Kernel	3.4.0
Android security patch level	April 2017 (Critical Patch Level: Sept 2017)
Platform	QC 8960 Pro
Wi-Fi	FUSION_QA_1.02.0.0.049
MXMF Version	6.3.2.0
Zebra Patch Version	CFE-TC75XX-K-XX-001506-X00-06
Datawedge	6.5.61

This release packages **FPD-TC75XX-K-XX-001506-G-00-06.zip** contains the following fixes and patches.

❖ **Android Security Patch Level: April 2017 (Critical Patch Level: Sep 2017)**

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

- Added support for Tianma display panel.
- SPR 35766- Resolved an issue wherein device takes longer time to connect when deployed in a denser SSID environment.
- SPR32676 - Resolved an issue wherein DataWedge App crashes when Velocity App tries to send an Intent to enable the scanner plugin.
- SPR34472 - Resolved an issue wherein binder exceptions were seen when transaction messages were of large size.
- SPR35313 - Resolved an issue wherein devices out of the box intermittently failed to get staged via StageNow.

Device Compatibility

This Full OS Software Downgrade Recovery package release has been approved for use with the following Zebra devices.

Device	Operating System
TC75AH-GA11ES-A2	Android 4.4.3
TC75AH-GA11ES-A1	Android 4.4.3
TC75BH-GA11ES	Android 4.4.3
TC75BH-GA11ES-TW	Android 4.4.3
TC75BH-KA11ES-BR	Android 4.4.3
TC75BH-GA11MS-CN	Android 4.4.3
TC75AH-KA11ES-A2	Android 4.4.3
TC75AH-KA11ES-A1	Android 4.4.3

TC75BH-KA11ES	Android 4.4.3
TC75BH-KA11ES-TW	Android 4.4.3
TC75BH-KA11ES-01	Android 4.4.3
TC75BH-KA11ES-RM	Android 4.4.3
TC75BH-KA11MS-CN	Android 4.4.3
TC75BH-KA11ES-BR	Android 4.4.3

Installation Requirements

This Software should be used with compatible devices listed above
- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)

Installation Instructions

Tianma display devices are not allowed to downgrade to any of the older BSPs or Patches
- To identify the display type on TC75 devices user can check the 'persist.sys.hw.display.id' property using adb getprop command.
  - o For TC75 Innolux device [persist.sys.hw.display.id]: [600]
  - o For TC75 Tianma device [persist.sys.hw.display.id]: [512]

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%

Downgrade software update procedure for TC75:

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

2. On your PC, you should see REMOVABLE DISK appearing in the File Explorer. copy the FPD-TC75XX-K-XX-001506-G-00-06.zip file on storage.

3. Long press power button and select reset option.

4. Keep holding down Trigger button after selecting reset option.

5. Wait till the device boot into recovery mode. Do not release the trigger button.

6. Click on Vol+ or Vol- to navigate and select appropriated storage. Release the PTT button.

7. Click on PTT Trigger to select the option.

8. Click on Vol+ or Vol- to navigate to the FPD-TC75XX-K-XX-001506-G-00-06.zip file.

9. Click on PTT Trigger to select the FPD-TC75XX-K-XX-001506-G-00-06.zip file.

10. Click on Vol+ or Vol- to navigate to 'reboot system now' and Click on PTT key to reboot the device.

There are two ways to Check the Zebra Patch Level after install the downgrade software package in the device,

✓ Settings->About Device-> Zebra Patch Version: CFE-TC75XX-K-XX-001506-X-00-06

✓ Run "getprop persist.sys.cfe. patchver" command in ADB Shell.

Last Revised: 26th June 2020