
Release Notes – Zebra WT6000 Android L – LifeGuard Update 09 Release

Contents

[Description](#)

[Component Contents](#)

[Device Compatibility](#)

[Installation Requirements](#)

[Installation Instructions](#)

[Downloadable Software included in this Release](#)

Description

This release contains following software package which is compatible with the WT6000 L product.

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

Component Contents

Component / Description	Version
Product Build Number	04-10-03-L-00-MV-061617
Android Version	5.1.1
Android security patch level	2018-03-05 (Critical Patch Level: 2019-06-01)
Linux Kernel	3.14.52
Android SDK Level	22
Platform	Freescale imx6
Bluetooth Stack	Android 5.1.1
Flash Size	4GB
RAM Size	1GB
MSP Agent	7.08.86 (Included for Airwatch support only)
Scanning	18.11.08.00
Datawedge	6.7.48
Mx / OSX	MXMF: 7.2.10.2/ OSX: FSL.51.5.2.10
WiFi	FUSION_BA_1_02.1.2.011_L
PTT Express	3.1.28
EMDK Service	6.8.21.1121
RxLogger	4.58.5.0
Touch FW	25
Zebra Volume Control	1.1.24

Audio	1.23.0.0
Battery Manager	1.5.1
Elemesz	1.0.0.297
Bluetooth Pairing Utility	3.7
Device Central	1.0.4.3
DataAnalytics	1.0.2.2091
Diagnostic Tool	1.15.0.11
File Browser	1.19.1.2
Stage Now	2.10.1.1389
App Gallery	3.0.1.7
WLAN FW	7.35.205.8 (r) FWID 01-45b2cefa
NFC	NFC_NCIHAL_AR3.2.0_L, FW:8.1.24
Sensors (Accel, Gyro)	3060105
Sensors (Light)	1
MobiControl Stage	12.2.0. Build 23469
Wavelink Velocity	1.2.101.16301
Printer Setup	1.1.1454
Print Station	1.3
Tap and Pair	2.0
Zebra Utilities (Printer)	2.0.5152
Enterprise Keyboard	1.7.0.5
ZSL	3.1.1

1. CFE v9 Updates:

- ❖ CFE-WT6000-L-XX-041003-N-00-09.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-06-01)

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

b. Fixes:

Updated below mentioned components:

- Scanning Framework: 19.53.37.0
- Fusion: FUSION_BA_1_02.1.2.013_L

SPR37209 - Resolved an an issue where device was not roaming and sticking to poor signal AP.

c. Known Issues:

- In EKB, Unlocking CAPS from ALL CAPS mode is still forcing characters to ALL CAPS

2. CFE v8 Updates:

- ❖ CFE-WT6000-L-XX-041003-N-00-08.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

d. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-03-01)

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

e. Fixes:

- Updated below mentioned components:
 - MXMF – Version 7.2.10.2 (For more detail please refer <http://techdocs.zebra.com>)
 - EKB: 1.7.0.5
 - Bluetooth: 1.018.00
 - Fusion: FUSION_BA_1_02.1.2.011_L
 - WLAN firmware: 4 Jan - BA_1_02.1.2.010_L
- SPR35851- Resolved an issue where WT6000 was facing Wi-Fi network drops while BT connection is in use

f. Known Issues:

- In EKB, Unlocking CAPS from ALL CAPS mode is still forcing characters to ALL CAPS

3. CFE v7 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-07.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-12-01)

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

4. CFE v6 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-06.zip

❖ **Note: This patch must be applied to BSP-04.10.03 to upgrade from WT6000-L to WT6000-N using stage now or any MDM.**

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-09-01)

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

b. Fixes:

- Updated below mentioned TUT component:
 - MXMF – Version 7.2.9.0
- SPR34662 – Resolved an issue where-in RD Client failed to launch intermittently.
- SPR33977 – Resolved an issue wherein set time zone issue observed with StageNow.
- SPR34679 – Resolved an issue wherein setting WLAN band to Auto through StageNow was failing.
- SPR35025 – Resolved a PAC Proxy Auto-Config issue where the PacService is restarted if it is killed or stopped for any reason.
- SPR35141 – Fixed an issue wherein scanner framework exceptions were observed while scanning extensively using RS4000.
- Included Zebra Software License Manager v3.1.1.
- SettingsEULA has been renamed to Zebra Data Services.

5. CFE v5 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-05.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

g. Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2018-06-01)

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

h. Fixes:

- Updated below mentioned TUT components:
 - MXMF – Version 7.2.8.2
 - DataWedge – Version 6.7.48
 - EMDK – Version 6.8.21.1121
 - Staging Client – Version 2.10.1.1389
 - Enterprise Keyboard – Version 1.7.0.2
 - Diagnostic Tool – Version 1.15.0.11
 - File Browser – Version 1.19.1.2
- SPR32882 - Resolved an issue where in Settings App crash was observed while navigating to Settings Language-Input screen after setting EKB as default Keyboard.
- SPR33599 - Resolved an issue wherein few system apps were being disabled after Aplock whitelist mode was enabled.
- SPR33755 - Resolved an issue wherein Whitelisted Apps were unable to submit XML to MX.
- SPR33207 - Resolved an issue wherein the Device Diagnostic tool had an issue with reading the Battery Cycles in the application for PP+ batteries.
- 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.
- SPR34307/SPR33607 – Resolved an issue wherein devices out of the box intermittently failed to get staged via StageNow.
- SPR33639 - Resolved an issue wherein the device stops emitting scan beam after waking up from suspend.
- SPR33981 - Resolved an issue Czech Republic Regulatory Country could not be set using Wifi config profile.
- SPR34614 - Fixed an issue in DataWedge wherein scanner could not be enabled due to quick enabling and disabling of scanner through Intents.
- SPR34429 - Resolved an issue wherein device failed to emit scan beam if the application was launched during device suspend.
- SPR34046 - Resolved an issue wherein RS507 scanner disconnects were seen while device was communicating over BT headset.
- SPR34094 – Resolved response issue wherein swipe actions not detecting properly.
- SPR34213 - Resolved an issue wherein EKB configuration failed to be applied while staging using StageNow.

- SPR33032 – Resolved an issue wherein the audio received in the Bluetooth headset became garbled when RS507/RS6000 were disconnected.
- SPR34737 - Resolved an issue wherein RS6000 Bluetooth scanner (SPP mode) keeps disconnecting.

6. CFE v4 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-04.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. Android Security Patch Level: 2018-03-05

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

b. Fixes:

- Spectre & Meltdown correction for variant 2.
- Updated below mentioned TUT components:
 - MXMF – Version 7.2.0.6
 - DataWedge – Version 6.7.34
 - EMDK – Version 6.8.20.1120
 - Staging Client – Version 2.10.1.1386
 - 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.
- SPR33296/SPR33297 – Resolved CCKM (wpa2/AES) issue without Aironet extensions enabled configuration.
- SPR34006 – Build Number updated as per base build.

7. CFE v3 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-03.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. Android Security Patch Level: 2017-12-05

Use the link to refer the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

b. Fixes:

- SPR33065 - Resolved an issue wherein exhibiting slow WIFI reconnects after disconnects.
- SPR32627 - Resolved an issue wherein scanner restart observed in RS4000 and RS5000.
- SPR33373 – Support added for Enterprise Lockdown feature
- SPR30401 – Added support to get the CFE version for MDM clients.

8. CFE v2 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-02.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. 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/>

- b. Fixes:**
- Corrections for KRACK vulnerabilities applied.

9. CFE v1 Updates:

❖ CFE-WT6000-L-XX-041003-N-00-01.zip

This CFE is applicable for 04-10-03-L-00-MV-061617 OS version.

a. 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/>

- b. Fixes:**
- Updated below mentioned components:
 - MXMS - Version 6.3.1.101
 - DataWedge - Version 6.4.18
 - EMDK - Version 6.5.12.812
 - Staging Client - Version 2.7.2.1039
 - Resolved an issue in MX to prevent leakage of configuration parameters.
 - Included fix for BlueBorne vulnerability.
 - SPR32326 - Resolved an issue wherein Setting application crash was observed while trying to set enterprise keyboard as the default keyboard and disable AOSP keyboard through the StageNow profile.
 - SPR32618 - Resolved an issue wherein device reboot remap CTL-W on the keyboard no longer works due to wrong XML read back.
 - SPR32527 - Resolved an issue where list of HID connections was only being cleared when BT radio turned off.
 - SPR32733 - Added support for BLE Advertising.

Device Compatibility

This software release has been approved for Android WT6000 Lollipop Voice model mentioned below.

Device
WT60A0-TSOLEUS
WT60A0-TSOLEWR

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)
- WT6000 should have baseline:
 - 04-10-03-L-00-MV-061617

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 WT6000:

Process through Device Storage:

1. Download the Full Package Update file (WT6K0L300PUWW41003.zip), Enterprise Reset Package file (WT6K0L3E0REWW41003.zip), Factory Reset file (WT6K0L3F0RFFWW41003.zip) and recovery update (CFE-WT6000-L-XX-041003-N-00-09.zip) from Zebra Support Site to a host computer.
2. Attach the USB Charge Cable to the WT6000 and to the host computer.
or
Place the WT6000 in a powered cradle. Connect a USB cable from the cradle to the host computer.
3. Copy the zip file from the host computer to the root of WT6000 internal storage.
4. Press and hold the Power key until the menu appears.
5. Select Reboot.
6. Select OK and then immediately press and hold the P1 key until the Recovery Mode screen Appears.
7. In the Recovery Mode screen, press P2 key to scroll down to "Apply update from emulated storage."
8. Press P3 key.
9. After installation completes, the Recovery Mode screen appears.
10. If resetting the device to Factory Reset, Enterprise Reset or recovery update, select the applicable zip file and repeat the step above.
11. Ensure that Reboot system now is selected.
12. Press P3 key to reboot the device. The Zebra Android screen appears, and the device vibrates. The WT6000 splash screen then appears with five white dots moving. After a little over 4 minutes the Home Screen appears.

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-WT6000-L-XX-041003-N-00-09.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: 9
- b. ADB Shell method: Execute following command from PC's command prompt:
\$ adb shell getprop ro.device.patch.version
\$ 9

Download-able Software Included in this Release

Filename	Description
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CFE-WT6000-L-XX-041003-N-00-09.zip

CFE package update software for WT6000 L build

Last Revised: <03-07-2019>