

Zebra WT6000 Android L – LifeGuard Update 13

Release Notes – January 2022

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

Package Name	Package Description
CFE-WT6000-L-XX-041003-N-00-13.zip	CFE package LifeGuard Update 13
WT6000_FULL_UPDATE_04.10.03.00-LN-U13-STD.zip	Full package update with LifeGuard Update 13

Device Support

WT60A0-TS0LEUS
WT60A0-TS0LEWR

New in WT6000L

CFE v13 Updates

✦ CFE-WT6000-L-XX-041003-N-00-13.zip

- Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2021-12-01)
 - Use the link to refer the Android Security bulletin for more information:
<https://source.android.com/security/bulletin/>
- **Updated below mentioned components:**
 - WiFi – FUSION_BA_1_02.1.3.017_L
 - SPR40628 - Resolved an issue where Invalid rates set in CCX Rate IE of TSPEC leads to GTK Rotation failure.
 - SPR40178 - Resolved an issue where sometimes device didn't respond to pings in suspend state.
 - SPR39491 - Resolved an issue wherein voice calls intermittently becomes one way when connected to a FT (802.11r) network.
 - SPR40705 - Resolved an issue where device processes deauthentication/disassociation from non-connected Access Point.

New Features

- Added support for ILI9805 display IC for WT6000 devices including downgrade protection. This image is backward compatible with the existing ILI9805C display.

- To identify the display type on WT6000 devices the user can go to “Settings” → “About device” → “Hardware config” → “Display”
 - Ilitech-ILI9805: new display IC devices
 - Ilitech-ILI9805C: old display IC devices

CFE v11 Updates

📁 CFE-WT6000-L-XX-041003-N-00-11.zip

- Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2020-08-01)
 - Use the link to refer the Android Security bulletin for more information:
<https://source.android.com/security/bulletin/>
- Updated the firmware for fixing kr00k vulnerability issue seen with Broadcom wifi chipsets.

CFE v10 Updates

📁 CFE-WT6000-L-XX-041003-N-00-10.zip

- Android Security Patch Level: 2018-03-05 (Critical Patch Level: 2019-11-01)
 - Use the link to refer the Android Security bulletin for more information:
<https://source.android.com/security/bulletin/>
 - Added support for RS5100 Ring Scanner
- Updated below mentioned components:
 - Battery Manager: 1.5.3
 - Scanning Framework: 19.61.37.0
 - MxMF: 7.2.10.3
 - Fusion: FUSION_BA_1_02.1.3.014
- SPR34976 Resolved an issue wherein Enterprise Keyboard Autocapitalization doesn't work if you navigate away from the alpha keyboard prior to typing.
- SPR37272 - Resolved an issue wherein EHS Hostname in title was not reflecting updated Host Name after device reboot.
- SPR 37841 - Fixed an issue where device WiFi not waking up on time to receive the buffered packets from the AP.
- SPR 37434 - Fixed an issue wherein the device becomes warm after pushing Wi-Fi configuration through StageNow.
- SPR 38085 - Resolved an issue where the scanner would not work due to a crash

CFE v9 Updates

📁 CFE-WT6000-L-XX-041003-N-00-09.zip

- 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/>

- Updated below mentioned components:
 - Scanning Framework: 19.53.37.0
 - Fusion: FUSION_BA_1_02.1.2.013_L

CFE v8 Updates

† CFE-WT6000-L-XX-041003-N-00-08.zip

- 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/>
- 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

CFE v7 Updates

† CFE-WT6000-L-XX-041003-N-00-07.zip

- **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/>

CFE v6 Updates

† CFE-WT6000-L-XX-041003-N-00-06.zip

- **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/>
- Updated below mentioned components:
 - 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.

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- Included Zebra Software License Manager v3.1.1
- SettingsEULA has been renamed to Zebra Data Services

CFE v5 Updates

✦ CFE-WT6000-L-XX-041003-N-00-05.zip

- **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/>
- Updated below mentioned 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
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CFE v4 Updates

📎 CFE-WT6000-L-XX-041003-N-00-04.zip

- **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/>
- Updated below mentioned 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.

CFEv3 Updates

† CFE-WT6000-L-XX-041003-N-00-03.zip

- **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/>
- 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.

CFEv2 Updates

† CFE-WT6000-L-XX-041003-N-00-02.zip

- **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/>
- Corrections for KRACK vulnerabilities applied.

CFE v1 Updates:

† CFE-WT6000-L-XX-041003-N-00-01.zip

- **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/>
- 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.

Component Version Info

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: 2021-12-01)
Linux Kernel	3.14.52
Android SDK Level	22
Platform	Freescall imx6
Bluetooth Stack	Android 5.1.1
Flash Size	4GB
RAM Size	1GB
MSP Agent	7.08.86 (Included for Airwatch support only)
Scanning	19.61.37.0
Datawedge	6.7.51
Mx / OSX	MXMF: 7.2.10.3/ OSX:5.2
WiFi	FUSION_BA_1_02.1.3.017_L
PTT Express	3.1.28
EMDK Service	6.8.24.1124
RxLogger	4.58.5.0
Touch FW	27
Zebra Volume Control	1.1.24

Audio	1.23.0.0
Battery Manager	1.5.3
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-d9abb98b
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

Installation Requirements

- ADB installed on the PC (including adb drivers)
- USB debugging turned ON (from Developer options)

Installation Instructions

Note: ILITECH ILI9805 display devices are not allowed to downgrade to any of Lifeguard Patches below 13

To identify the display type on WT6000 devices user can go to “Settings” → “About device” → “Hardware config” → “Display”

Ilitech-ILI9805: new display IC devices

Ilitech-ILI9805C: old display IC devices

- **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-00-13.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: 13
- b. ADB Shell method: Execute following command from PC's command prompt:

```
$ adb shell getprop ro.device.patch.version
$ 13
```

Notes

Full package update (WT6000_FULL_UPDATE_04.10.03.00-LN-U13-STD.zip) is mainly meant for ILI9805 display devices as these devices are not allowed to downgrade to any of the older BSPs or any of the Lifeguard update below 13.

Known Issues

CFE-WT6000-L-XX-041003-N-00-11.zip

- Device central doesn't support RS5100 on WT6000L

CFE v8

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

Important Links

- <https://techdocs.zebra.com/>
- [Welcome | Developer Portal \(zebra.com\)](#)

About WT6000

For warehousing and manufacturing customers who want to improve worker productivity, the WT6000 offers industry leading ergonomics, a modern touch-centric user experience and time saving features, such as NFC tap to pair.

- 36% smaller and 27% lighter than the previous generation wearable computer, so more comfort and less fatigue for workers
- NFC reader, for quick tap-to-pair with Bluetooth ring scanners, wireless headsets and mobile printers
- All Touch TE, which enables seamless migration of legacy TE green screens to an intuitive touch screen interface
- Shared PowerPrecision+ battery with the RS6000 ring scanner, for simplified battery management.

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