Release Notes – Zebra ET50 Android M 03-21-20-M-0R-M1 NON-GMS

Introduction

The ET50 marries the best of consumer-styling with all the enterprise-class features you need to increase workforce productivity, with a real business class return on your tablet investment. Your workers get the elegant personal tablet styling they want, while you get a durable tablet designed to last for years, exceptional battery power, rapid capture of business data, plus a comprehensive family of business accessories to easily customize a solution for any job.

Description

ET50 v03-21-20 NON-GMS Android M RevC release will deliver OS upgrade to Android M for upgrading ET50 device from Android L(v01-08-21) to Android M, or update from Android M RevA(v01-08-20)/ RevB(02.14.30) with data persistence via OTA package.

Supported software's

- Enterprise Keyboard

- Enterprise Home Screen

- Enterprise Browser

- SmartDex

- Scan n Pair

- Zebra Printers

- All-Touch Terminal Emulation

Component Description and versions

Build_version	03-21-20-M-0R-M1-U00-STD
Android_version	6.0.1 (32-bit)
Android_SDK_Level	23
Android Security Patch Level	August 5, 2018
Linux_kernel	3.14.55 (64-bit)
OSX	INTL.60.6.6.4
Wifi	FUSION_BA_3_10.0.2.011_M
TXE FW	1.2.1.1153
BIOS version	5.04.42.0052-A-Z-013
UPLMC FW version	UPLMC_0065_08
Bluetooth stack	4.1
NFC	8.1.24
Scanning_Framework	19.7.26.0
Datawedge	6.8.54
DWDemo	2.0.13
MXMF	8.0.3.0
Touch	2.2.AA
Scanner Firmware	PAABLC44-001-R01
RxLogger	4.61.0.0
RD Client	1.01.03
StageNow	3.0.1.1038
SOTI	13.3.0. Build 1059
EMDK	6.9.16.1216
B2M_Elemez	1.0.0.347
Data_Analytics	1.0.2.1859

File Browser	1.19.1.0
Enterprise Keyboard Manager ("added as a system application")	1.8.0.3
AppGallery	3.0.1.7

SPR fixes in RevC(03.21.20):

- SPR35062 - Device default Launcher gives issues when MX configures whitelist or installs 3rdparty Launcher - through AirWatch.

- SPR35025 - Resolved an issue where Proxy Auto Config (PAC) did not work properly following stops/restarts of the PacService.

- 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 user was unable to create WIFI profile with username as backslash followed by number.

- SPR34267 - Resolved an issue wherein the device was failed to enable USB debugging when a barcode was scanned.

- SPR33862 - Resolved an issue wherein the Screen Time off settings using Display manager CSP was not working.

- SPR34145 - Resolved an issue wherein indexing of the WEP key was not handled correctly.

- SPR33973 - Resolved an issue wherein erroneously loading default profile by providing feature to ignore disabled profiles in DataWedge.

- SPR34307 - Resolved an issue where few of devices were failing to stage when scanned through StageNow.

- SPR33848 - Added support to included category field in intent profile in StageNow.

- SPR34189 - Resolved an issue wherein low ram and oom limit adjustments to provide more free memory.

- SPR33639 - Resolved an issue wherein the customer app install and launch during device sleep state and device stop emitting scan beam after awaking from suspend.

- SPR33876 - Resolved an issue wherein Display Timeout was unable set via StageNow.

- SPR33607 - Resolved an issue where few fresh devices were unable to stage after unbox the device.

- SPR33538 - Resolved an issue wherein the Scanner beam stuck off and No LED beam while pressing scanner button.

- SPR33977 - Resolved an issue wherein Time Zone setting through StageNow profile was not working.

- SPR33981 - Resolved an issue Czech Republic Regulatory Country could not be set using Wifi config profile.

- SPR33453/33555 - Fix for issue where ZBK(SE4750) scanner was not functioning on upgrade from L to M OS.

- SPR32676 - Resolved an issue where in DataWedge will stop working on Android devices.

- SPR32463 - Resolved an issue where in StageNow FileMgr downloads frequently fails.

- SPR33233 - Resolved an issue where in Datawedge cannot replace separator or non-printable ascii character with $.

- SPR31491 - Resolved an issue where in device not able to stage devices from manufacturing with StageNow.

- SPR34716 - Resolved an issue wherein the MX was getting killed by Backup manager and didn't restart properly.

- SPR34187/33899 - Resolved an issue whereby MXFramework does not restart after being killed by lowmemkiller.

- SPR34439 - NTP is not able to sync time based on the interval.

- SPR34205 - Resolved an issue where in the Settings UI does not reflect the actual firmware version for BT.

- SPR34372 - Fixed an issue where in setting up DO using AFW or using Google enterprise DPC test setup fails.

- SPR34193 - Resolve an Issue where, when an ET50 Lollipop is migrated to Android Marshmallow, the Rotation settings are disabled.

SPR fixes in RevB(02.14.30):

- SPR33115 – Resolved issue related to few applications missing on upgrade from L

- SPR32894/32956 – Resolved issue where Airwatch fails to install package because MX reports a 'permission error'

- SPR33599 – Fixed missing system packages after applying the SN barcode to enable the AppLock

- SPR 33755 – Fixed issue where AllowSubmitXMLAction not working as expected
- SPR33293/33087 – ET5x - Lollipop <--> Marshmallow upgrade/downgrade process improvement

- SPR33067 – Fix for issue where ZBK(SE4750) scanner was not functioning on upgrade from L to M OS.

- SPR33659 – Fix for issue where continuous read mode doesn't work when beam timer is set to 0.

- SPR32471 – Fix for issue where ET50 is unable to associate to Cisco AP when 802.11r/Fast BSS Transition over DS is active

- SPR32438 – Changes to roam effectively on an Aruba WiFi network

- SPR32647 – Fix for issue with Radio driver fail

SPR fixes in ET50 M RevA(01.08.30):

- *SPR32038 – AirWatch deployed security profile to Wipe the device after X failed pin entries doesn't work on ET5X as expected*

- *SPR30992/SPR31563 – Touch Panel response improvement*

- *SPR30979 – USB devices are not visible after ET5X is reinserted into the cradle*

- *SPR31276 – Fix for WLAN slow network traffic when connected to Cisco AP having low DTPC value*

- *SPR31230 – Fix for Wireless connection locked / dropped when SIP client running.*

- *SPR31733 – Fix for WLAN Exhibits excess band switching*

- *SPR32230 – Workaround for private key access failure through keystore*

- *SPR32193 – Fix for Device authentication failure when the keystore is empty.*

- *SPR32320 – Fix for Wifi disconnect issue*

- *SPR32125 – Fix for issue where the radio is disabled when device is not used for a while, even when is WLAN is set to be always ON*

- *SPR32135 – Fix for issue where after reverting locale from Arabic to English and the Settings screen does revert to its normal state even though the Locale is changed to English*

- *SPR32008 – Fixed issue where on scanning PDF417 barcodes which contain embedded 0x0D characters, these characters transmit as a space character instead of enter/return.*

- *SPR32546 – Fixed issue where Airwatch crash is observed when the AW whitelist is configured with certain restrictions*

Notes and known issues

- On upgrade from ET5x Android L(64-bit) to Android M(32-bit), it is observed that very few user installed applications are not present due to incompatibility. A notification banner with a list of applications which are no longer compatible with ET5x Android M will be displayed with package names suggesting users to re-install them.

  This list is also saved in a lookup file: '/data/system/ET5xM_incompatible_pkg_list' which can be used by device administrators to re-install them

- On EnterpriseReset of ET5x M by default, the two ET5x sensors (gyroscope and accelerometer) are disabled. The notification icon (!) appears in the Status Bar indicating that these sensors are disabled. To use the device sensors for screen rotation and positioning, turn ON the sensors.

  1. Swipe down from status bar to view the Notification Panel.
  2. Touch **Auto rotation Disabled** notification. The **Sensors** screen appears.
  3. Touch the switch in the top right corner of the screen. The **Restart now?** dialog appears.
  4. Touch **OK**. The device shuts down and then reboots. After reboot, all sensors are enabled.

  MDM/Staging applications can enable Accelerometer and Gyroscope sensors by broadcasting the intent "com.symbol.sensor.ENABLE_SENSORS".

  After device receives this intent, the device will automatically reboot with the sensors enabled.

- On EnterpriseReset of ET5x M by default the device is not encrypted, this default state is to provide userdata persistence on upgrade from un-encrypted ET5x Android L.

- In recovery mode of ET5x M following modes are not available:

- o Wipe data/factory reset

- o Apply from internal memory

- User data will not be persisted on downgrading ET5x M device to ET5x L or when converting from a GMS to Non-GMS OS, or Non-GMS to GMS OS.

- Android Factory Reset Protection feature would require customers to provide their previous registered Google account details to register the device again after a factory reset operation

- WLAN: Support for EAP Fast has been removed in Android M

- HDMI settings configuration is not available in ET5x M

- Bluetooth HFP and HSP profiles are disabled and not supported on ET5x M.

- Using Google Chrome, the download session gets stopped when device gets disconnected from network. User has to re-initiate the download

- Using SOTI EMM, first time enrollment sometimes fails. User can relaunch and retry the enrollment

- Using SOTI EMM, Wifi EAP profile does not persist after EnterpriseReset. As a workaround configure an additional staging profile (PSK based) so that it can be persisted on EnterpriseReset. After EnterpriseReset re-configure the EAP TLS profile again from EMM server

- Recovery mode is not supported for Class 10 SDcard of size 32GB and above

Contents

File	Details
ET50_FP_MN_032120.zip	Full OS Software Update Recovery package
ET50_FPG_MN_032120.zip	Android L to Android M Software Upgrade Recovery package
ET50_P00_MN_032120.zip	OTA incremental patch Update Recovery package to update from Android M RevB to Android M RevC

ET50_MN_ENT_RESET.zip	Enterprise Reset Recovery Package. Wipes userdata (/data) partitions. Persists Enterprise, OnDeviceStorage (/sdcard) and factory partitions.
ET50_MN_FACT_RESET.zip	Factory Reset Recovery Package. Wipes userdata (/data) and Enterprise partitions Persists OnDeviceStorage (/sdcard) and factory partitions.

Device Compatibility

This software release has been approved for use with the following devices.

Device	Operating System
ET50PE-L15E-00A6	Android 5.1.1, Android 6.0.1
ET50PE-L15E-00US	Android 5.1.1, Android 6.0.1
ET50PT-L15E-00A6	Android 5.1.1, Android 6.0.1
ET50PT-L15E-00US	Android 5.1.1, Android 6.0.1

Installation Requirements

This Software has to be used with compatible devices listed above

Installation Instructions

Please refer *Zebra_ET5x_Android_Flashing_Procedure.pdf*

Part Number and Release Date

ET50

11 Oct 2018