

Release Notes – Zebra ET50 Android M 01-08-20-M-0R-M1 NON-GMS

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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 RevA Release 01-08-20 Non-GMS will deliver OS upgrade to Android M for upgrading ET50 device from Android L to Android M with data persistence via OTA package.

New Features

- Additional features in WLAN
 - WiFi Hotspot (5 Ghz Support)
 - 802.11k support
 - 802.11w support
 - Improved Fault Tolerant Roam Experience
 - Stability fixes and LifeGuard updates
- MDM support for Airwatch and SOTI
- AppGallery
- Scanning using RS507
- Camera based staging

- Additional touch modes:
 - Finger and Thin Glove
 - Stylus, Glove and Finger (Rain mode)
 - Finger only
- Android verified boot functionality to prevent booting into compromised/unauthorized images (system & boot).
- Support AFW - Device Owner mode
- Zebra OS Update Mobility DNA
 - Zebra Build fingerprint support to enable LifeGuard support
 - Incremental OS Update packages.
 - OS Upgrade with data persistence via OTA packages.
 - Multiple packages update support
 - OS Update checker and Recovery package verification
 - Recovery update status reporting
 - Enable high compression of OS update packages to save size
- DHCP-Support for vendor specific option codes: 12,28,42,43,60,66,67,77,119,150,186,188
- Enhanced security with configurable Bluetooth pairing and discoverability
- NFC tap to pair enhancement to support Zebra BT accessories
- A new option under 'language & input " settings will provide feature for end user to keep scanner active when device is in off(suspend) state.

Software updates

- Mobility DNA updates for Out-of-box applications
- Security patch updates up to July 01, 2017 (Android Security Patch Level: 2017-07-01)

Supported software's

- Enterprise Keyboard

- Enterprise Home Screen
- Enterprise Browser
- SmartDex
- Scan n Pair
- Zebra Printers

Component Description and versions

Build_version	01-08-20-M-0R-M1
Android_version	6.0.1
Android_SDK_Level	23
Android Security Patch Level	2017-07-01
Linux_kernel	3.14.55
OSX	INTL.51.6.2.18
Wifi	FUSION_BA_3_01.0.0.011_M
TXE FW	1.2.1.1153
BIOS version	5.04.42.0052-A-Z-013
UPLMC FW version	UPLMC_0065_07
Bluetooth stack	4.1
NFC	8.1.24
Scanning_Framework	18.7.13.0
Datawedge	6.4.17
DWDemo	2.0.11
MXMF	6.3.1.1
Touch	2.2.AA
Scanner Firmware	PAABLC44-001-N04
RxLogger	4.60.3.0
RD Client	1.01.03
StageNow	2.7.2.1039
SOTI	13.3.0. Build 1059

EMDK	6.5.9.809
B2M_Elemez	1.0.0.347
Data_Analytics	1.0.2.1859
File Browser	1.19
Enterprise Keyboard Manager CSP	1.4.0.3
AppGallery	3.0.1.7

SPR Fixes:

- 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 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 ET5x M by default the device is not encrypted, this default state is to provide userdata persistence on upgrade from ET5x M.
- In recovery mode of ET5x M following modes are not available:
 - Wipe data/factory reset
 - 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.

Contents

File	Details
ET500M300PUEF10820.zip	Full OS Software Update Recovery package
ET500M300PGEF10820.zip	Android L to Android M Software Upgrade Recovery package
ET500M300REEF10820.zip	Enterprise Reset Recovery Package. Wipes userdata (/data) partitions. Persists Enterprise, OnDeviceStorage (/sdcard) and factory partitions.

ET500M300RFEF10820.zip	Factory Reset Recovery Package. Wipes userdata (/data) and Enterprise partitions Persists OnDeviceStorage (/sdcard) and factory partitions.
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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
21 July, 2017