Release Notes - SYMBOL TC70 KitKat GA4 v1903 with GMS

Introduction

Work more efficiently and better serve your customers by giving your employees enterprise-class handheld computers that survive life in the field or shop floor, communicate and access information in real time.
The TC70 is the professional-grade Android device built from the ground up for the enterprise.
- Zebra's Mobility Extensions (Mx)
- Mobility DNA,a suite of mobility enabling applications, development tools and utilities
- Most advanced scan engine with longer range date capture capability
- Rugged and ready for every day enterprise use inside and outside the four walls

Description

TC70 Kitkat Maintenance Release GA4 19-03 with GMS

Special Note:

- Downgrading from v1903/v1803/GA2 (v1504) GMS/non-GMS images to GA1(v1104) image, please use the following link.

  https://www.zebra.com/us/en/support-downloads/mobile-computers/handheld/tc70.html

Airwatch MX service APK should have the latest v1903 Enterprise and Factory Reset packages to avoid a known issue if older reset packages (older than v1504) are used (If packages are used older than 15-march-2015, On applying enterprise reset / factory reset on new TC70 OS via

Airwatch console will result in error, saying package is older than 15-03.2015 and cannot be applied).

Component Description and Version

Component / Description	Version
Product Build Number	TC70-X1-23257-K-G-19-03-00-MV
Android Version	4.4.3
Linux Kernel	3.4.0
Android SDK Level	19
Android security patch level	2017-04-01
Platform (TI/MPA/ etc)	QC 8960 Pro
Flash Size	8GB
RAM Size	1GB
MSP Package	7.08.85
Scanning	6.33.0
SimulScan	2.5 SimulScanEngine 1.11.1
Datawedge	6.2.23
EMDK	Service 5.0.3.0
Mx / OSX	QC_OSX_4.4-4/MXMF: 6.1.1.0
WiFi	Fusion_QA_1.02.0.0.039
PTT	3.1.20
Touch FW	Stylus-80_GLOVE-105, FW:1.2.AA
RxLog	3.0.0.52
Mlog	v06.52 / Service v06.52
B2M	1.0.0.260
Bluetooth Pairing Utility	3.3
DataAnalytics	1.0.2.1877
File Browser	Ver 1.13
Stage Now	2.2.1.1445
App Gallery	3.0.1.7
Tech Docs	1.0.0
WLAN	WLAN-1240294.1
NFC	NFC_NCIHAL_AR2.4.0_KitKat, FW:122
Sensors (Accel, Gyro, Light, Prox)	1
Camera	CAM-FRONT-1.0.0 CAM-REAR-1.0.0
MSRN	0.94
MobiControl	12.2.0. Build 23469

Feature added/supported

- Added support for SE4750CR scanner

SPR fixes:

- SPR30140 - Resolved an issue wherein Uninstall/Install using Send_MX_XML / MX API Fails
- SPR29864 - Resolved an issue wherein TC70 BT Paired to DS35 with custom firmware CAABRC17-001-R00D0 has dialog pair prompt on 1803, no prompt on 1504
- SPR31003 - The following SPRs are cumulated with Master SPR31003 for TC70 1803 CFE v2.
- SPR29184 - Resolved an issue wherein Customer unable to scan RSS14 barcodes.
- SPR30925 - Resolved an issue wherein Localized strings missing in the device causing APPOPS menu to crash when device is in non-English locale
- SPR29953 - Resolved an issue wherein Delayed output when scanning larger QR codes (greater than 100 characters) when using Keystroke output option in Datawedge.
- SPR30129 - Fixed issue wherein Appswitch key remapped still border and surroundings of oval key have original functionality.
- SPR29818 - Fixed issue wherein Dex accessory does not work after BLE session
- SPR29355 - Fixed an issue where in the volume level were not getting updated upon pressing Vol +/- keys with PTT PRO running on the device.
- SPR29200 - Resolved an issue wherein Support for Wideband Bluetooth. 28906 Enterprise reset fails during processing XML
- SPR29432 - Resolved an issue wherein NFC write command with ISO 15693 Texas Instrument card not reliable
- SPR29788 - Resolved the issue in wildcard feature for the proxy exclusion.
- SPR29048/SPR30844 - Resolved issue in NPObject deleted error while using iframes in the html page
- SPR29320 - Resolved issue wherein the Phone dialer crashes while accessing call history menu.
- SPR29618 - Resolved issue wherein the key programmer configs are not consistently functional.
- SPR29256 - Resolved issue the Persist Folder Not Accessible After Factory Reset and commissioning process.
- SPR29030 - Resolved issue when deploying key-config.xml is not consumed on first try into device.
- SPR30048 - Fixed for crash in binder due to dead object exception.
- SPR29628 - Resolved issue the PersistMgr not able to apply persist profiles due to folder permissions change after reset.
- SPR29700 - Resolved issue wherein the DHCP Option 119 is not working.
- SPR29035 - Fixed issue wherein Internal Storage (not SD \card) on Android variants need to be wiped on Repaired Units
- SPR28994 - Resolved issue wherein Enabling the picklist mode in DW Settings doesn't work
- SPR29036 - Resolved an issue wherein Random reboot is being observed during staging process over LAN.

- SPR29202 - Added support for disabling the quick settings in the Status Bar.
- SPR29009 - Resolved an issue wherein Scanner Exception occurs when switching between SOFT and HARD trigger.
- SPR28906 - Resolved an issue wherein Enterprise reset fails during processing XML
- SPR28244 - Resolved an issue wherein VPN does not work when "Always-On" option is enabled.
- SPR30815 - Fixed an issue wherein intermittent error message failed to persist when enrolling TC75
- SPR30656 - Fixed an issue wherein Keypad Wakeup Source Scan Trigger takes long press to reset Sleep Timer TC75/TC70
- SPR30318 - Resolved an issue wherein When TC75 14.04 is used with EHS 2.4.4, logging in/out from EHS Admin mode causes reboot of the terminal
- SPR30591 - Resolved an issue wherein Camera Flash light affected by Sim card - In TC70 and TC75 Integrated
- SPR30389 - Resolved an issue wherein Customer complaining intermittent error of failing to persist mprodigy when enrolling TC75 into mprodigy
- SPR30494 - Fixed an issue wherein TC70 1803 Settings / Security /AppOps will crash when Language is choosen which is not equal to English US or English CAN
- SPR30493 - Fixed an issue wherein August 1404 OSbuild with CFE v02.20 or CFE 00.03 installed Can't Connect to the Camera error
- SPR29666 - Fixed an issue wherein Using "Any Connect VPN" over AT&T. Data connection keep bouncing On and Off
- SPR29311 - Resolved an issue wherein Profile cannot be applied when it have password with > symbol.
- SPR30110 - Resolved an issue wherein APPGALLERY - ERROR received when creating new user from device
- SPR28905 - Resolved an issue wherein AppMgr fails to install/uninstall during redeployment test
- SPR29965 - Resolved an issue where in TC70 frequently fails WPA-PSK authentication handshake only when roaming from 2.4GHz(working) to 5GHz, or exclusively within 5GHz.
- SPR30945 – Resolved an issue wherein Need to reduce speed at which the WLAN disconnect is reported to the top running Application. In this case Wavelink Velocity.
- SPR28470 – Fixed an Issue Wherein When proxy setting is applied, device is not able to access INTRANET site but able to go to INTERNET sites for example www.google.com. [Enhanced]

Known problems and suggested workarounds:

Description	Workaround
It is taking around 2-3 mins to apply the updates. Update progress is not shown.	After clicking on "update" button wait for 2-3 mins. For the update to come
Opening app after self-update will logout the user.	User has to login again with his credentials.
[AGM/AGE]AppGallery client app doesn't sync using proxy network	Use AppGallery with open network.

Contents

File	Description
T70N0KXXARUEF01903.zip	Full Software Update
T70N0KEXAREXX01903.zip	Enterprise Reset - Wipes all partitions/data except Enterprise folder/partition & On Device Storage (/sdcard)
T70N0KFXARFXX01903.zip	Factory Reset - Wipes all partitions/folders including enterprise but except On Device Storage (/sdcard)
T70N0KXXAAUEF01903.apf	Full update Airbeam Package
T70N0KEXAAEXX01903.apf	Enterprise reset Airbeam Package
T70N0KFXAAFXX01903.apf	Factory reset Airbeam Package
T70N0KFXARFFX01903.zip	Full reset package
T70N0KFXAAFFX01903.apf	Full reset Airbeam package

Device Compatibility

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

Device	Operating System
TC70	Android 4.4.3

Installation Requirements

This Software has to be used with compatible devices listed above

Installation Instructions

1. Plug the TC70 to the USB Cable and then the Cable to the PC. If you have a Cradle with USB connectivity, connect it.

2. You will be connected as a media device.

3. Download following packages

    a. T70N0KXXARUEF01903.zip (Full Package Update v19-03)

    b. T70N0KFXARFXX01903.zip (Factory Reset Package v19-03)

    c. T70N0KEXAREXX01903.zip (Enterprise Reset Package v19-03)

4. Now, copy the .zip files (and the Optional files too) to your TC70's storage.

5. You will need to put your device into Recovery Mode.

    a. Hold the "Power Key" until "Reset" option appears and then release

    b. Tap "Reset" and then immediately hold the "PTT Key" until recovery mode is initiated (Let go after you feel the vibration ☺)

    c. Once on the Recovery Screen, scroll down using "Volume Keys" +/- to the location where you copied the files and press the "Scan Key"

    d. Follow same procedure and select the T70N0KXXARUEF01903.zip (the Full Package Update v19-03), with "Scan Key"

    e. Upon completion, you will be back at the Recovery Mode screen.

    f. Note: Since Partition has changed, system by default will not backup user data partition. To end user this is similar to Enterprise Reset.

    g. Next step only if you are switching between GMS and NON-GMS software, otherwise this step is not required.

        • If you are updating device from GMS to NON-GMS or Vice Versa, it is required to either use T70N0KFXARFXX01903.zip (Factory Reset, this will give complete OOB experience) or at Minimum, please do a T70N0KEXAREXX01903.zip (EnterpriseReset).

    h. If you are going to install the optional packages (see 3e above), then do so now with the same procedure used above…

    i. Upon completion of all of the updates, you will be back at the Recovery Mode screen. Select, "reboot system now" with the "PTT Key", you will see it reboot, then you will see "Android is upgrading…" and then you will see the main screen, then...

6. Go to "Settings" and scroll down to "About phone" and look at the "Build number". It should end with "K-G-19-03-00-MV". Now… you can either start using the TC70 or if you are not going to install a working SIM (or at least not right away), please manually set the date and time. Go to "Settings" and scroll down to "Date & time" and set the

correct date and time by unchecking "Automatic date & time" and "Automatic time zone" and then select "Select time zone" and do that. Then, select "Set date" and do that. Finally, select "Set time" and do that. Lastly, put check marks back in "Automatic date & time" and "Automatic time zone".

7. Please update latest Firmware for Scan Engine

8. Now you are all set to use your updated TC70 With GMS.

Part Number and Release Date

T70N0KXXARUEF01903
T70N0KEXAREXX01903
T70N0KFXARFXX01903
T70N0KXXAAUEF01903
T70N0KEXAAEXX01903
T70N0KFXAAFXX01903
T70N0KFXARFFX01903
T70N0KFXAAFFX01903

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