



# Release Notes – Zebra Android 10

## 10-16-10.00-QN-U44-STD-HEL-04 Release (NGMS)

### Highlights

This Android 10 NGMS release 10-16-10.00-QN-U44-STD-HEL-04 covers TC72, TC77, TC52, TC57, TC21, TC26, TC52x, TC57x, MC3300x, MC3300xR, L10A, PS20, TC8300, MC93, VC83, EC30, WT6300, MC2200, MC2700 family of products. Please see, Device Compatibility under Device Support Section for more details.

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

### Software Packages

Package Name	Description
HE_DELTA_UPDATE_10-16-10.00-QN-U44-STD-HEL-04.zip	LG Package Update

### Security Updates

This build is Compliant up to [Android Security Bulletin](#) of February 01, 2021.

### LifeGuard Update 44

- This LG patch is applicable for 10-16-10.00-QN-U00-STD-HEL-04 BSP version.
  - This LG Patch includes following updated components.
    - Audio: 0.31.0.0
    - Bluetooth Pairing Utility: 3.20
    - DataWedge: 8.2.211
    - EMDK: 9.0.3.3003
    - License Manager and License Agent: 5.0.0 and version 5.0.0.5.0.0
    - MXMF: 10.3.0.18
    - OSX: QCT.100.10.5.58
    - Scanning Framework: 28.9.8.0
    - StageNow: 5.1.0.1
  - **New Features**
    - Added support for Keyboard Audible Feedback feature on MC3300x, MC3300xR, MC9300, MC2200, MC2700 and VC8300 and ability to control volume of Keyboard Audible Feedback by MDM.

- Added support to enable/disable DHCPv6 feature using DHCPOptionMgr CSP. Stateful DHCPv6 helps Admins track and block network abuses. With stateful DHCPv6 a client is likely to keep a stable IP as long as it stays on the same network.
- Added support to see SAM Bridge FW Version in SW Component.
- Added support to enable Low level NFC NCI Logging to get detailed logs for NFC scenarios for debugging purpose, logs are included as part of RxLogger logs.
- Added support in OemInfo to allow customer applications and sideloaded applications to read BT MAC address.
- Provided additional option for the user to change the touch panel mode configuration from Power Menu without going into settings menu once it is enabled using the CSP file.
- Added support for Multibarcode - Automatic group identification.
- Added support for Multibarcode - Read only specific barcodes.
- Added support to remove Bluetooth pairing list.

#### ○ Resolved Issues

- SPR-40819 : Resolved an issue wherein 7-bit ASCII encoded data matrix code was not getting decoded.
- SPR-41039 : Updated the APN details for Bulgarian operator A1.
- SPR-40216 : Resolved an issue wherein flash LED temperature was very high when torch was turned ON for a longer duration.
- SPR-38667 : Resolved an issue wherein user was unable to remotely browse files over VPN.
- SPR-40400 : Resolved an issue wherein device was losing WWAN connectivity at higher temperatures.
- SPR-41255 : Resolved an issue wherein devices were getting stuck in recovery screen during MDM enrollment.
- SPR-41056 : Resolved an issue wherein SIM not detected toast message used to appear even with a valid SIM.
- SPR-39513 : Resolved an issue wherein intermittently display would not turn on upon wakeup from suspend.
- SPR-39544 : Resolved an issue where eMMC health was not being retrieved correctly on certain flash part.
- SPR-41094 : Resolved an issue wherein during a call, user gets echo while the other user was on speaker mode.
- SPR-41144 : Resolved an issue wherein the EMM Enrollment was not working over ethernet connection.
- SPR-41622 : Resolved an issue wherein additional touch events were occurring for a single touch press.
- SPR-38739 : Resolved an issue wherein streaming of certain MP3 files used to fail.

- SPR-41400 : Resolved an issue wherein key remapping was not working for CTRL and other advanced key modifiers using OemConfig.
- SPR-41578 : Added support for enabling/disabling “key press sounds” via StageNow.
- SPR-41397 : Resolved an issue wherein intermittently WLAN failed to turn On.
- SPR-39082 : Resolved an issue wherein Intermittent loss of Ethernet connection is observed.
- SPR-41260 : Resolved an issue wherein third-party VPN Apps were unable to access certificates (installed via StageNow/MX) on the device resulting in not able to connect to the server.
- SPR-41915 : Enabled Serial Port Comm API support.
- Fixed an issue wherein device crash was seen when STC SIM was inserted.

○ **Usage Notes**

- None

## LifeGuard Update 16

➤ This LG patch is applicable for 10-16-10.00-QN-U00-STD-HEL-04 BSP version.

○ **New Features**

- None

○ **Resolved Issues**

- None

○ **Usage Notes**

- None
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## Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	10-16-10.00-QN-U44-STD-HEL-04
Android Version	10
Security Patch level	February 1, 2020
Component Versions	Please see Component Versions under Addendum section

## Known Constraints

- Picture quality of the image taken with 'Night Mode' in low-light conditions is poor.
- Trigger Modes: Presentation Read Mode is preferred over Continuous Read Mode. If using Continuous Read mode, use a lower illumination brightness setting (e.g. 2) to ensure the scanner can work without interruption.
- "Red Eye Reduction" feature disables the camera flash in the device. Hence, to enable the camera flash please disable the 'Red Eye Reduction' feature.
- EMM does not support agent persistence in OS dessert downgrade scenario.
- Reset packages of Oreo and Pie should not be used on devices running with A10 software.
- In-order to avoid any inconsistencies in Settings UI it is recommended to wait for a few seconds after the device boots up.
- Transparent blue overlay in camera view –numeric, character or ENTER key presses in camera view will make this blue overlay appear. The camera is still functional; however, the view is covered with the blue overlay. To clear this, press the TAB key to move the control to a different menu item or close the camera app.
- In case of an OS upgrade from a s/w version having higher security patch level to a s/w version having lower security patch level, user data will be reset.
- TC5x flash LED temperature is too high when torch is on for long time.
- Unable to scan remote company network using ES file explorer over VPN.
- In case USB flash drives are not getting detected on VC8300 after reboot on USB-A port, re-insert the USB flash drive after the device is fully powered up & on home screen.
- On WT6300 with RS4000 & RS5000 usage, the DataWedge option "Keep enabled on suspend" (in Profiles > Configure scanner settings) shall NOT be set, user can set "Trigger Wakeup and Scan"(in Profiles > Configure scanner settings > Reader params) for single trigger wake and scan functionality.
- When phone app is being disabled using MDM and user tries to reboot the device, user might see **Recovery Screen** with "Try again" and "Factory data reset" options. Select option "Try again" to continue the reboot process. Do not select option "Factory data reset", as it will erase the user data.
- After upgrading from Oreo to A10, Device shows "SD card setup" notification, which is expected behavior from AOSP.
- After upgrading from Oreo to A10, staging fails on few packages, user must update package names accordingly and make use of the profiles or create new staging profiles.
- At the very first time, DHCPv6 enable through CSP is not reflecting until user disconnect/reconnect to the WLAN profile.

## Important Links

- [Installation and setup instructions](#) (if the link does not work please copy It to browser and try)

Note: "As part of IT security best practices, Google Android enforces that the Security Patch Level (SPL) for the new OS or patch must be the same level or a newer level than the OS or patch version currently on the device. If the SPL for the new OS or patch is older than the SPL currently on the device, then the device will enterprise reset and wipe all user data and settings including user network configurations and remote management tools which would render the device inaccessible over a network."

- [Zebra Techdocs](#)
- [Developer Portal](#)

## Device Support

### Device Compatibility

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

Device Family	Part Number		Device Specific Manuals and Guides
TC21	TC210K-02A222-CN TC210K-02B212-CN	TC210K-06B224-CN TC210K-02B412-CN	<a href="#">TC21 Home Page</a>
TC26	TC26CK-12A222-CN TC26CK-12B212-CN	TC26CK-16B224-CN	<a href="#">TC26 Home Page</a>
PS20	PS20J-B2G2CN00 PS20J-P4G2CN00	PS20J-P4H2CN00	<a href="#">PS20 Home Page</a>
MC3300x	MC330L-SL3EA3CN MC330L-SH3EA3CN MC330L-GL3EA3CN MC330L-GH3EA3CN MC330L-GE3EA4CN MC330L-GJ2EA4CN MC330L-GJ3EA4CN MC330L-GJ4EA4CN MC330L-GL3EA4CN	MC330L-SE3EA4CN MC330L-SK3EA4CN MC330L-SA3EA4CN MC330L-SJ4EA4CN MC330L-SJ2EA4CN MC330L-SJ3EA4CN MC330L-RL2EA4CN MC330L-RL3EA4CN MC330L-SG3EA4CN	<a href="#">MC3300x Home Page</a>
MC3300xR	MC339U-GF4EA4CN MC333U-GJ4EA4CN	MC339U-GE4EA4CN	<a href="#">MC3300xR Home Page</a>
TC52	TC520K-2PEZU4P-CN		<a href="#">TC52 Home Page</a>
TC52 HC	TC520K-2HEZU4P-CN		<a href="#">TC52 HC Home Page</a>
TC52X	TC520K-1XFMU6P-CN		<a href="#">TC52X Home Page</a>
TC57X	TC57HO-3XFMU6P-CN		<a href="#">TC57X Home Page</a>
L10A	RTL10B1-xxxxxxxxxxCN <i>Note: 'x' Stands for wild card for different configurations</i>		<a href="#">L10A Home Page</a>
TC8300	TC83B0-6005A510CN TC83B0-2005A510CN	TC83BH2205A710CN TC83BH3205A710CN	<a href="#">TC8300 Home Page</a>

	TC83B0-3005A510CN TC83B0-2005A61CCN TC83B0-3005A61CCN	TC83B0-4005A610CN TC83B0-5005A610CN	
MC9300	MC930B-GSEEG4CN MC930B-GSCDG4CN MC930B-GSEDG4CN MC930B-GSADG4CN MC930B-GSACG4CN MC930P-GFADG4CN MC930P-GFEDG4CN MC930B-GSHDG4CN MC930P-GFCDG4CN MC930P-GFCBG4CN	MC930P-GFEBG4CN MC930P-GFABG4CN MC930P-GFHBG4CN MC930P-GFHGDG4CN MC930P-GSGBA4CN MC930P-GSGDA4CN MC930P-GSWBA4CN MC930P-GSWDA4CN MC930P-GSFDG4CN MC930B-GSECG4CN	<a href="#">MC9300 Home Page</a>
VC8300	VC83-08SOCQBABBACN	VC83-08FOCQBABBACN	<a href="#">VC8300 Home Page</a>
EC30	EC300K-2SA2ACN		<a href="#">EC30 Home Page</a>
TC72	TC720L-0ME24B0-CN TC720L-02E24B0- CN	TC720L-0ME24B0-CN TC720L-02E24B0- CN	<a href="#">TC72 Home Page</a>
TC77	TC77HL-5ME24BG-CN	TC77HL-52E24BDCN	<a href="#">TC77 Home Page</a>
TC57	TC57HO-2PEZU4P-CN		<a href="#">TC57 Home Page</a>
WT6300	WT63B0-TS0ANECH	WT63B0-KS0ANECH	<a href="#">WT6300 Home Page</a>
MC2200	MC220K-3B3S4CN	MC220J-3A3S2CN	<a href="#">MC2200 Home Page</a>
MC2700	MC220J-3A3S2CN MC220K-3B3S4CN	MC27CJ-3A3S2CN MC27CK-3B3S4CN	<a href="#">MC2700 Home Page</a>
EC50	EC500K-02B222-CN01 EC500K-02B223-CN EC500K-02B242-CN01	EC500K-02B112-CN EC500K-02B132-CN EC500K-02B243-CN	<a href="#">EC50 Home Page</a>
EC55	EC55CK-12B112-CN EC55CK-12B132-CN	EC55CK-12B223-CN EC55CK-12B243-CN	<a href="#">EC55 Home Page</a>

## Addendum

### Component Versions

Component / Description	Version
Linux Kernel	4.4.205

AnalyticsMgr	2.4.0.1254
Android SDK Level	29
Audio (Microphone and Speaker)	0.31.0.0
Battery Manager	1.1.7
Bluetooth Pairing Utility	3.20
Camera	2.0.002
DataWedge	8.2.211
EMDK	9.0.3.3003
Files	10
License Manager and License Agent	version 5.0.0 and version 5.0.0. 5.0.0
MXMF	10.3.0.18
NFC	NFC_NCIHALx_AR18C0.a.3.0
OEM info	9.0.0.315
OSX	QCT.100.10.5.58
RXlogger	6.0.4.0
Scanning Framework	28.9.8.0
StageNow	5.1.0.1
WLAN	FUSION_QA_2_1.3.0.022_Q
Baseband	W201106A_011.1-00856
Zebra Bluetooth Settings	2.3
Zebra Data Service	10.0.1.1042

## Revision History

Rev	Description	Date
1.0	Initial release	March 22, 2021