



Release Notes – Zebra Android 11

11-15-21.00-RN-U00-STD-HEL-04Release (NGMS)

Highlights

This Android 11 NGMS release 11-15-21.00-RN-U00-STD-HEL-04 covers VC8300 8”, TC52AX family of products. Please see, device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
HE_FULL_UPDATE_11-15-21.00-RN-U00-STD-HEL-04	Full package update
Releasekey_Android11_EnterpriseReset_V1.zip	Reset Package to Erase User Data Partition Only
Relasekey_Android11_FactoryReset_V1.zip	Reset Package to Erase User Data and Enterprise Partitions

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of September 05, 2021.

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-15-21.00-RN-U00-STD-HEL-04
Android Version	11
Security Patch level	September 5, 2021
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are VC8300 8", TC52AX family of products.

Please see device compatibility details under Addendum Section.

New Features

- Added support for new UI design for Zebra Volume Control & Key Remapping
- Added support for Wi-Fi MAC randomization in connected state. It is enabled in out of box condition and can be disabled using EMM.
- Added support to display status of symbol security in settings.
- Added support to block the app install/update/un-install notifications during silent installation.
- Added support for streaming of Delta OTA packages (LifeGuard updates).
- Added support for OTA Delta packages available on Zebra.com will be sequential in nature.
- Added support to release every LifeGuard update as a FULL & DELTA OTA package on zebra.com.
- Added support to reduce the size of DELTA OTA package compared to previous dessert.
- Added support to reduce device downtime during LifeGuard update.
- Added support for new Qorvo FEM.
- Added support for Advanced range auto focus imager for TC52AX

Resolved Issues

- Fixed: 39795 MC93 Dotcode barcodes missing timestamp
- Fixed: 41890 Roam Stickiness & Signal Reporting concern.
- Fixed: 40408 TC77 - USPS WWAN disconnecting in high temperatures
- Fixed: 41635 TC57/TC77/TC26 Cherry pick the changes to SDM660 Android Oreo release
- Fixed: 41890 Roam Stickiness & Signal Reporting concern.
- Fixed: 40382 StageNow Error with Creating DSDS setting in CellularMgr
- Fixed: 39868 MC9300: Remap Diamond Key - 3x3 layout to include question mark (?)
- Fixed: 39918 TC52 TC57 Disable MMI code `##4636##` that reveals PhoneInfo Screen
- Fixed: 41910 First Touch after resume not registered correctly on 8 Inch HW.
- Fixed: 43358 SDM660 - First Created Network through CSP (Stage Now) Fails to Connect
- Fixed: 40859 LTE data drops observed with custom APN using Firstnet SIM
- Fixed: 43012 STAGENOW "CONFIGURE ZERO TOUCH NETWORK".BIN FILE PROCESS FAILS ON VMTs SDM660
- Fixed: 41294 ET51 Integrated Scanner Customer reporting ET51 display \ touch becoming sluggish in the cold
- Fixed: 39982 TC57 WAN Android 8.x (Oreo) isVerifyAppsEnabled returning false though its enabled from settings
- Fixed: 40212 TC77 01-23-18.00-OG-U09-H14 Time in Webview issue, sometimes the Clock CSP causes the time not to display correctly
- Fixed: 39879 TC77 when setting Clock CSP with EMDK TimeZone is changing but not Time (Clock GUI out of synch)
- Fixed: 40468 VC8300 dropping barcode characters after BSP upgrade (1.30.04, LG update 08) using DS3678 w/cradle
- Fixed: 41882 Android AirWatch Enrollment QR Code using PORT HOST/PORT parameters failing on OREO device.
- Fixed: 40408 USPS WWAN disconnecting in high temperatures
- Fixed: 43802 OS Update fails sometimes
- Fixed: 40440 Disable MMI code `##4636##` that reveals PhoneInfo Screen on user builds

- Fixed: 43738 Updating movistar and telenor apn
- Fixed: 43148 OEMConfig - error messages (CERNER is using VMWare Workspace One (20.05))
- Fixed: 43683 Prolific driver supports for GJ Cradle
- Fixed: 41003 ET51 BlueParrot XT 250/350, HS3100 Distant Noise Pickup / Gain Levels Differ, Compared to TC52/WT60
- Fixed: 43314 PS20 not able to use scanner after update to 02-11-01.00 LG06
- Fixed: 38958 Atlas Devices Not Using Domain Name Sent for VPN Connection
- Fixed: 41038 Cherry pick the changes to 8956 Android Oreo release
- Fixed: 37883 PAC file with toLowerCase/toUpperCase are failing to parse
- Fixed: 43683 Prolific driver supports for GJ Cradle
- Fixed: 40284 Unable to use proxy
- Fixed: 40400 WAN disconnects at high temperatures
- Fixed: 40078 EC30 BLE advertisement power not achieving MAX values
- Fixed: 40075 VC80x unexpectedly rebooting
- Fixed: 39808 MC33 Dotcode barcodes missing timestamp
- Fixed: 41622 Update WT6300 Touch Panel firmware to v40
- Fixed: 40388 VC80x ignition shutoff countdown does not reset when ignition turned back on
- Fixed: 39697 TC51 press and hold effect was removed after 30secs
- Fixed: 43818 Wrong Korean translation in Wi-Fi advanced option
- Fixed: 43383 Stagenow does not process scanned barcode after OEMConfig installed
- Fixed: 41725 Suspend and Resume APIs intermittently fails
- Fixed: 41450 Stagenow 5.0.1.0 and Mxv10.2 IntentManager does not show input field for Json String]
- Fixed: 41260 On Android10 pulse application is not working
- Fixed: 40655 Data lost after DataWedge IME becomes the default IME
- Fixed: 39982 isVerifyAppsEnabled returning false though its enabled from settings
- Fixed: 39879 TC77 when setting Clock CSP with EMDK TimeZone is changing but not Time (Clock GUI out of synch)
- Fixed: 44335/44185 NFC reader - Null read when scanning Imprivata badge after device sleep
- Fixed: 43940 DNS alias could not be resolved
- Fixed: 44265 Android poor battery life
- Fixed: 43802 Build Upgrade fails
- Fixed: 43931 Chromium tab switches while scanning
- Fixed: 43907 NTP update interval not working
- Fixed: 43148 OEMConfig giving error message when WLAN channels are specified as hyphenated range
- Fixed: 41757 TC52 and TC57s get into a state where they will not scan from the Start Menu, StageNow or Datawedge Demo
- Fixed: 41255 TC26 - Out of 1500 Devices, 11 Units stuck in recovery screen as part of MDM enrollment / staging
- Fixed: 41247 TC57 Oreo Scanner sporadically not working
- Fixed: 40859 LTE data drops observed with custom APN using Firstnet SIM
- Fixed: 40301 Webview does not load after Ent. Reset with GMS Restricted persistent profile
- Fixed: 40534 PS20 during assembly process scanner SE4710 have around 4% fail rate, this problem had suddenly appeared at July 2020.
- Fixed: 40301 Webview intermittently does not load after ER when GMS Restricted is enabled.
- Fixed: 40449 Camera application crashed after few time in use
- Fixed: 40239 MC93 without camera on latest BSP fails to enroll into Microsoft Intune from welcome screen.
- Fixed: 38723 QXDM logs exceeding the max configured log size - Device running out of memory. (USPS asks Porting)
- Fixed: 44151 ET51/56 - Glove Touch mode Issue
- Fixed: 44486 ET51/56 - Camera Image Upside down

Fixed: 44265 BT module shows incorrect battery usage in bugreport
Fixed: 44031 TC77 Is experiencing Ghost Like touches on the screen even though no physical contact is made on the device's touch Screen.
Fixed: 44260 PTT Call cannot be initiated
Fixed: 44047 Toll Group EMDK Barcode App crashed after upgraded to TC56 Nougat
Fixed: 43017 Notify User about power supply DC/DC module failure using red blinking LED

Usage Notes

- None

Known Constraints

- In-order to avoid any inconsistencies in Settings UI it is recommended to wait for a few seconds after the device boots up before launching settings UI.
- On upgrading a device from A8/A9/A10 to A11, NFC manager configuration need to be re-applied.
- Starting Android 11 on SDM660, an UPL file cannot consist of both Full OTA and Delta OTA package. On A11 customer can directly install the Full OTA package of required LG image
- One second Bluetooth jitter noticed in 2.4GHz band.
- Ethernet UI is accessible from settings despite being disabled
- RxLogger fails to store logs in internal storage when external SDCard is formatted as internal/adaptable, or it is ejected during run time.
- BLE FW update to work, location service under settings needs to be enabled.

Important Links

- [Installation and setup instructions](#) (if the link does not work, please copy it to browser and try)
- [Zebra Techdocs](#)
- [Developer Portal](#)

Addendum

Device Compatibility

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

Device Family	Part Number		Device Specific Manuals and Guides
VC8300 8"	VC83-08SOCQBABBACN	VC83-08FOCQBABBACN	VC8300 Home Page
TC52AX	TC520L-2YFMU7P-CN		TC52ax Home Page

Component Versions

Component / Description	Version
Acoustics Profiles	VC8300 8": General: DR1.2, DR2.2, DR3.2 Cellular: NA TC52AX: General: YR1.2 Cellular: NA
Linux Kernel	4.19.157-perf
AnalyticsMgr	10.0.0.1002
Android SDK Level	30
Audio (Microphone and Speaker)	0.30.0.0
Battery Manager	1.2.8
Bluetooth Pairing Utility	3.24
Camera	2.0.002
DataWedge	11.1.31
EMDK	11.0.118.4018
License Manager and License agent	6.0.8 and 6.0.23.5.0.1
MXMF	11.1.0.17
NFC	NFC_NCIHALx_AR18C0.b.1.0
OEM info	9.0.0.466
OSX	QCT. 110.11.10.9
RXlogger	7.0.0.0
Scanning Framework	31.0.20.0
StageNow	5.4.0.4
Touch Panel (FW)	VC8300 8": Version: 0.4.3-Finger-3-0 Mode: Finger only TC52AX: Version: 0.8.1-finger-4-0:0x39c6fa Mode: Finger Only
WLAN	FUSION_QA_2_1.4.0.008_R (VC8300) FUSION_SA_2_1.4.0.005_R (TC52AX)
WorryFree WiFi:	WFW_A_2_6.3.0.009_R

Zebra Bluetooth	11.1.6
Zebra Volume Control	3.0.0.49
Zebra Data Service	10.0.4.1030
Embedded Controller Firmware	VC8300 8": 3.3.01

Revision History

Rev	Description	Date
1.0	Initial release	October 07, 2021