



Release Notes – Zebra Android 11

11-16-05.00-RN-U00-STD-HEL-04 Release (NGMS)

Highlights

This Android 11 NGMS release 11-16-05.00-RN-U00-STD-HEL-04 covers MC3300ax, TC52AX, EC30, EC50, EC55, ET51, ET56, L10A, MC2200, MC2700, MC33x, MC33xR, MC93, PS20, TC21, TC26, TC26 HC, TC52, TC52 HC, TC52x, TC52x HC, TC57, TC57x, TC72, TC77, TC8300, VC8300 & WT6300 family of products.

Please see, device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
HE_FULL_UPDATE_11-16-05.00-RN-U00-STD-HEL-04	Full package update
HE_DELTA_UPDATE_11-13-13.00-RN-U00-STD_TO_11-16-05.00-RN-U00-STD.zip	Delta package from previous release 11-13-13.00-RN-U00-STD
HE_DELTA_UPDATE_11-13-13.00-RN-U12-STD_TO_11-16-05.00-RN-U00-STD.zip	Delta package from previous release 11-13-13.00-RN-U12-STD
HE_DELTA_UPDATE_11-13-13.00-RN-U26-STD_TO_11-16-05.00-RN-U00-STD.zip	Delta package from previous release 11-13-13.00-RN-U26-STD
HE_DELTA_UPDATE_11-15-21.00-RN-U00-STD_TO_11-16-05.00-RN-U00-STD.zip	Delta package from previous release 11-15-21.00-RN-U00-STD
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	11-16-05.00-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 MC3300ax, TC52AX, EC30, EC50, EC55, ET51, ET56, L10A, MC2200, MC2700, MC33x, MC33xR, MC93, PS20, TC21, TC26, TC26 HC, TC52, TC52 HC, TC52x, TC52x HC, TC57, TC57x, TC72, TC77, TC8300, VC8300 & WT6300 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 NG Simulscan Support for camera
- Added support for RParams template for Doc Capture
- Added support for secondary BLE License for EC50, EC55
- Added support for dark display theme OOB for EC50 devices.
- Added support for updated default wallpaper OOB for EC50 devices.
- Added support for updated launcher icon outline shape to look rounded OOB for EC50, EC55, TC72, TC77, TC52x, TC57x, TC21, TC26, TC52, TC57 devices.
- Added support for setting default tone as "Lalande.ogg" for notification sound played at boot up or low battery for EC50, EC55, TC21, TC26 devices.
- Added support for enabling bordered keys in Gboard setting OOB for EC50, EC55, TC52, TC57, TC72, TC77, TC52x, TC57x, TC21, TC26 devices.
- Added support for improving Camera autofocus speed and accuracy for TC52x, EC50, EC55, TC52 and TC72.
- Added support for improving Camera autoexposure for TC52x, EC50, EC55, TC52 and TC72.
- Added support for improving image sharpness in various lighting conditions for TC52x, EC50, EC55, TC52 and TC72.
- Added support for improving Camera AWB for TC52x, EC50, EC55, TC52 and TC72.
- Added support for removing auto focus ring in Camera UI, which can be enabled by the user if desired.
- Added support for new Qorvo FEM.
- Added support for Advanced range auto focus imager for TC52AX
- Added support for BLE Channel Mask feature
- Added support for BLE Firmware recovery mechanism and beacon on battery reinsert
- Added support for SE5500 scan engine integration and MVP release
- Added support for DS9308 USB Scanner support
- Added support for enabling 5GHz Wi-Fi UNII-3 band channels for EU countries in TC52X, EC50 and TC21
- Added support to disable adaptive brightness & modified display brightness OOB for EC50/EC55 devices.

- Added support to disable Haptic feedback for EC50/EC55, MC9300, TC21, TC26, WT6300, TC52ax, TC52, TC57, TC72, TC77, C6xx, MC2200, MC2700 devices.
- Added support for Home Screen layout customization for all zebra specific application & tools for EC50, EC55
- Added support for VoWiFi for Orange.
- Added support for Vodafone UK.
- Added support for Erillisverkot Public Safety MVNO.
- Added support for APN details for Spark NZ operator.
- Added support for modified Hot seat workspace for NGMS software version.
- Added support for Zebra workstation connect solution on TC52ax & ET56

Resolved Issues

- Fixed: 39795 MC93 Dotcode barcodes missing timestamp
- Fixed: 41890 Roam Stickiness & Signal Reporting concern.
- Fixed: 40408 WWAN disconnecting at high temperatures
- Fixed: 41635 TC57/TC77/TC26 Cherry pick the changes to SDM660 Android Oreo release
- 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 which reveals PhoneInfo Screen
- Fixed: 41910 Resolved an issue wherein first touch was not working correctly after resume
- Fixed: 43358 Resolved an issue wherein first created profile after deleting the default profile, does not connect automatically
- 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 'VerifyApps' API returns False.
- 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: 40468 VC8300 dropping barcode characters after BSP upgrade (1.30.04, LG update 08) using DS3678 w/cradle
- Fixed: 41882 Resolved an issue wherein it was not possible to provision the device using QR code with EXTRA_PROVISIONING_WIFI_PROXY_HOST and EXTRA_PROVISIONING_WIFI_PROXY_PORT details
- Fixed: 43802 OS Update fails sometimes
- Fixed: 40440 Disable MMI code which reveals PhoneInfo Screen
- Fixed: 43738 Updating movistar and telenor apn
- Fixed: 43683 Resolved an issue wherein USB to Serial Port converter was not working on a 3rd party 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 Updated APN configuration for Telenor carrier
- Fixed: 37883 PAC file with toLowerCase/toUpperCase are failing to parse
- 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 On selecting DataWedge as a keyboard from the device virtual keyboard settings and disabling Google GBoard, it does not display scanned data
Fixed: 40212 On TC77, sometimes the Clock CSP causes the time not to display correctly
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: 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 Stuck at recovery mode during EMM enrollmenmt
Fixed: 41247 TC57 Oreo Scanner sporadically not working
Fixed: 40859 LTE data drops observed with custom APN using Firstnet SIM
Fixed: 40534 PS20 SE4710 firmware update improvement.
Fixed: 40449 Camera application crashed after few time in use
Fixed: 40239 EMC devices without camera fail to enroll into Microsoft Intune from welcome screen
Fixed: 38723 QXDM logs exceeding the max configured log size -Device running out of memory
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 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 will not work without enabling location service under settings.

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
MC3300ax	MC330X-SJ2EA4CN MC330X-SJ3EA4CN MC330X-SJ4EA4CN MC330X-SA3EA4CN MC330X-SE3EA4CN	MC330X-SG3EA4CN MC330X-GJ2EA4CN MC330X-GJ3EA4CN MC330X-GJ4EA4CN MC330X-GE3EA4CN	MC3300ax Home Page
TC52AX	TC520L-2YFMU7P-CN		TC52ax Home Page
EC30	EC300K-2SA2ACN		EC30 Home Page
EC50	EC500K-02B112-CN EC500K-02B132-CN	EC500K-02B223-CN EC500K-02B243-CN	EC50 Home Page
EC55	EC55BK-12B112-CN EC55BK-12B132-CN	EC55BK-12B223-CN EC55BK-12B243-CN	EC55 Home Page
ET51	ET51CE-L21E-00CN	ET51CE-L21E-SFCN	ET51 Home Page
ET56	ET56ET-L21E-00CN	ET56DE-L21E-00CN	ET56 Home Page
L10A	RTL10B1-xxxxxxxxx Note: 'x' Stands for wild card for different configurations		L10A Home Page
MC2200	MC220K-3B3S4CN	MC220J-3A3S2CN	MC2200 Home Page
MC2700	MC27CK-3B3S4CN MC27CK-3B3S4CN03 MC27CJ-3A3S2CN	MC27CJ-3A3S2CN04 MC27CJ-3A3S2YY	MC2700 Home Page
MC3300x	MC330L-GE3EA4CN MC330L-GE4EA4CN	MC330L-SA3EA4CN MC330L-SE3EA4CN	MC3300x Home Page

	MC330L-GH3EA3CN MC330L-GJ2EA4CN MC330L-GJ3EA4CN MC330L-GJ4EA4CN MC330L-GL3EA3CN MC330L-GL3EA4CN MC330L-RL2EA4CN MC330L-RL3EA4CN	MC330L-SG3EA4CN MC330L-SH3EA3CN MC330L-SJ2EA4CN MC330L-SJ3EA4CN MC330L-SJ4EA4CN MC330L-SK3EA4CN MC330L-SL3EA3CN	
MC3300xR	MC333U-GJ4EA4CN MC339U-GE4EA4CN	MC339U-GF4EA4CN	MC3300xR Home Page
MC9300	MC930B-GSEEG4CN MC930B-GSCDG4CN MC930B-GSEDG4CN MC930B-GSADG4CN MC930B-GSACG4CN MC930P-GFADG4CN MC930P-GFEDG4CN MC930B-GSHDG4CN MC930P-GFCDG4CN MC930P-GFCBG4CN MC930P-GSFDA4CN	MC930P-GFEBG4CN MC930P-GFABG4CN MC930P-GFHBG4CN MC930P-GFHGDG4CN MC930P-GSGBA4CN MC930P-GSGDA4CN MC930P-GSWBA4CN MC930P-GSWDA4CN MC930P-GSFDG4CN MC930B-GSECG4CN	MC9300 Home Page
PS20	PS20J-B2G2CN00 PS20J-P4G2CN00	PS20J-P4H2CN00	PS20 Home Page
TC21	TC210K-06B224-CN TC210K-02A222-CN TC210K-02B212-CN	TC210K-02B412-CN TC210K-02A423-CN	TC21 Home Page
TC21 HC	TC210K-06B224-CN		TC21 Home Page
TC26	TC26CK-12A222-CN TC26CK-12B212-CN	TC26CK-16B224-CN TC26CK-12A423-CN	TC26 Home Page
TC26 HC	TC26CK-16B224-CN		TC26 Home Page
TC52	TC520K-2PEZU4P-CN		TC52 Home Page
TC52 HC	TC520K-2HEZU4P-CN		TC52 HC Home Page
TC52x	TC520K-1XFMU6P-CN		TC52x Home Page
TC52x HC	TC520K-1HCMH6P-CN		TC52x Home Page
TC57	TC57HO-2PEZU4P-CN		TC57 Home Page
TC57x	TC57HO-3XFMU6P-CN		TC57X Home Page

TC72	TC720L-0ME24B0-CN TC720L-02E24B0- CN	TC720L-0ME24B0-CN TC720L-02E24B0- CN	TC72 Home Page
TC77	TC77HL-5ME24BG-CN	TC77HL-52E24BDCN	TC77 Home Page
TC8300	TC83B0-6005A510CN TC83B0-2005A510CN TC83B0-3005A510CN TC83B0-2005A61CCN TC83B0-3005A61CCN	TC83BH2205A710CN TC83BH3205A710CN TC83B0-4005A610CN TC83B0-5005A610CN	TC8300 Home Page
VC8300 8"	VC83-08SOCQBABBACN	VC83-08FOCQBABBACN	VC8300 Home Page
WT6300	WT63B0-TS0ANE CN	WT63B0-KS0ANE CN	WT6300 Home Page

Component Versions

Component / Description	Version
Acoustics Profiles	MC3300ax: General: FR1.1, FR2.1, FR3.1 Cellular: NA TC52AX: General: YR1.2, YR3.1 Cellular: NA EC30: General: LR1.2 Cellular: NA EC50: General: UR1.2 Cellular: NA EC55: General: UR2.2 Cellular: NA ET51: General: PR1.2, PR3.2 Cellular: NA ET56: General: PR2.2, PR4.1 Cellular: NA L10A: General: OR1.1Reva, OR1.1RevB, OR2.1RevA, OR2.1RevB Cellular: NA MC2200: General: VR1.2 Cellular: NA MC2700: General: VR2.2 Cellular: NA MC33x: General: DR3.2, DR1.2, DR2.2 Cellular: NA MC33xR: General: RR1.2, RR2.2 Cellular: NA MC93: General: KR1.2, KR2.2, KR3.2, KR4.2 Cellular: NA PS20: General: JR1.1, JR2.2 Cellular: NA TC21: General: SR1.2, SR5.2 Cellular: NA TC26: General: SR2.2, SR6.2, SR9.3 Cellular: SR2.2 TC21 HC: General: SR3.2, SR7.2 Cellular: NA TC26 HC: General: SR4.2, SR8.2 Cellular: SR4.2 TC52: General: GR1.4 Cellular: NA TC52 HC: General: GR2.4 Cellular: NA TC52x: General: TR1.3 Cellular: NA TC52x HC: General: TR3.3 Cellular: NA TC57: General: GR3.4 Cellular: GR3.1 TC57x: General: TR2.3 Cellular: TR2.1 TC72: General: HR1.3

	Cellular: NA TC77: General: HR2.3 Cellular: HR2.1 TC8300: General: NR1.2, NR2.2, NR3.2, NR4.2 Cellular: NA VC8300: General: QR1.1, QR2.1 Cellular: NA WT6300: General: WR1.2 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	1.2.9
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	11.1.0.21
NFC	NFC_NCIHALx_AR18C0.b.1.0
OEM info	9.0.0.466
OSX	QCT. 110.11.10.9
RXlogger	7.0.1.0
ZWC	1.0.549
Scanning Framework	31.0.20.0
StageNow	5.4.0.14
Touch Panel (FW)	MC3300ax: Version: 38 Mode: Finger and Stylus TC52AX: Version: 0.8.1-finger-4-0:0x39c6fa Mode: Finger Only Mode: finger only EC30: Version:45 Mode: Finger only

	<p>EC50: Version: 06 Mode: Finger only</p> <p>EC55: Version: 06 Mode: Finger only</p> <p>ET51: Version: 0410050000 Mode: Finger Only</p> <p>ET56: Version: 0410050000 Mode: Finger Only</p> <p>L10A: Version: 00_ver8 Mode: Finger and passive Stylus</p> <p>MC2200: Version: 10 Mode: Finger Only</p> <p>MC2700: Version: 10 Mode: Finger Only</p> <p>MC33x: Version: 38 Mode: Finger and Stylus</p> <p>MC33xR: Version: 38 Mode: Finger and Stylus</p> <p>MC93: Version: 1.1.0-Finger-2-0: 0xc0ef11 Mode: Finger Only</p> <p>PS20: Version:08 Mode: Finger Only</p> <p>TC21: Version: 06 Mode: Finger only</p> <p>TC26: Version: 06 Mode: Finger only</p> <p>TC52: Version:1.8.3-Finger-2-0:0x68cffa Mode: Finger Only</p> <p>TC52x: Version: 0.8.1-Finger-4-0:0x39c6fa Mode: Finger Only</p> <p>TC57: Version:1.8.3-Finger-2-0:0x68cffa Mode: Finger Only</p> <p>TC57x: Version: 0.8.1-Finger-4-0:0x39c6fa Mode: Finger Only</p> <p>TC72: Version: 2.0.1-Finger-1-0:0x826e9a Mode: Finger Only</p> <p>TC77: Version: 2.0.1-Finger-1-0:0x826e9a Mode: Finger Only</p> <p>TC8300: Version: 18 Mode: Finger Only</p> <p>VC8300: Version: 0.0.6-Finger-3-0 Mode: Finger only</p> <p>WT6300: Version:40 Mode: Finger Only</p>
WLAN	<p>FUSION_QA_2_1.4.0.009_R (Wi-Fi5)</p> <p>FUSION_SA_2_1.4.0.005_R (Wi-Fi6)</p>
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"/10": 3.3.01

Revision History

Rev	Description	Date
1.0	Initial release	October 22, 2021