

Release Notes – Zebra Android 11

11-21-27.00-RN-U00-STD-ATH-04 Release (NGMS)

Highlights

This Android 11 NGMS release 11-21-27.00-RN-U00-STD-ATH-04 covers TC53 family of products.

Please see device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
AT_FULL_UPDATE_11-21-27.00-RN-U00-STD-ATH-04.zip	Full package update
ATH_DELTA_UPDATE_11-19-15.00-RN-U00-STD_TO_11-21-27.00-RN-U00-STD.zip	Delta package update from 11-19-15.00-RN-U00-STD to 11-21-27.00-RN-U00-STD release Applicable for TC53 SKUs

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of May 01, 2023

LifeGuard Update 11-21-27.00-RN-U00

➤ This LG patch is applicable for 11-21-27.00-RN-U00-STD-ATH-04 BSP version.

○ New Features

- Added support of BtInsights v2.0 API for paired Bluetooth peripheral.
- Added support MX CSP 11.9 for WWAN/LAN connection Manager.
- Added support for MX UI CSP Setting RecentApp Button/Home Key/Long Press on Home Key features for Gesture Navigation.
- Initial Beta Release of Zebra Showcase App (Self Updatable) explores the latest features and solutions, a platform for new demos built on Zebra Enterprise Browser.
 - DWDemo has moved to the ZConfigure folder.

○ Resolved Issues

- Resolved an issue wherein KeyEventService was not sending intent when a key was remapped to send Intent.

- SPR48429 - Resolved issue where quick settings was accessible in Reduced settings mode when battery saver is turned on.
- SPR48826 – Resolved an issue wherein notification bar was big in size.
- SPR48066 – Resolved an issue wherein avc related log msgs were filling up the Rxlogger logs.
- SPR50161 – Ping loss Due to Device going to suspend and taking delay in reconnection.
- SPR48045 - Resolved an issue wherein MX not able to use host manager & host name.

○ Usage Notes

- None

LifeGuard Update 11-19-15.00-RN-U00

- This LG patch is applicable for 11-19-15.00-RN-U00-STD-ATH-04 BSP version.

○ New Features

- Added a new MX new feature that controls whether to allow all USB peripherals to be used when the device is in USB Host Mode or to restrict usage to peripherals as defined in Rules created by the administrator using the Control Rules parameter.
- Added a new MX new feature that allows to run applications automatically upon connecting USB devices by suppressing the pop-up confirmation triggered by the Android system, if the application is marked as an auto launch application for the connected USB device.
- DataWedge:
 - New viewfinder functionalities to vision features (Camera only)
 - Zoom(1x/2x/4x/8x) button
 - Illumination(on/off) button
 - Pinch and zoom
 - Added a programmatic method to retrieve KeyStates on Keyboard enabled devices (SHIFT) (SPR 47506/47368).
 - Improved indoor navigation use cases.

○ Resolved Issues

- SPR47143 - Resolved an issue wherein few additional log messages were enabled in NFC component.
- SPR47950 - Resolved an issue wherein Short Press of key was showing Power Menu.
- SPR47868 - Resolved an issue where sometimes WIFI-WWAN transition was not working.
- SPR48699 - Resolved Wi-Fi connectivity issues seen with some Cisco infrastructures where in AP did not advertise Power Constraint information and only DTPC is enabled.
- Performance enhancements and bug fixes in OCR Wedge.

○ Usage Notes

- None

LifeGuard Update 11-17-16.00-RN-U00

➤ This LG patch is applicable for 11-17-16.00-RN-U00-STD-ATH-04 BSP version.

○ **New Features**

- DataWedge:
- New Workflow: Free-Form OCR via Camera powered by Google ML Kit using Text Recognition v2 (Beta) API.
- Return state/country in OCR Wedge License Plate results.
- Zebra USB and Bluetooth scanner cradle support with Workstation Cradle.
- Bluetooth Pairing Utility:
- Modify size of BT pairing barcode based on screen size/resolution.
- Remove Search Magnifying Glass from Settings: Phase-2
- WorryFree WiFi (SmartMU)
- Enable/Disable Charging LED light while device is being charged
- Ability to disable the on-screen mute option in Zebra Volume Control (ZVC)
- Eliminate SD Card Pop Up

○ **Resolved Issues**

- OCR and Image capture options (Workflow input) are grayed out on DataWedge when Android Device screen lock is enabled. If OCR Wedge or Free-form Image Capture Workflow feature is required in conjunction with a device pin, it is recommended to continue to use the prior release until the next release. For Document Capture Workflow, a hot fix will be available shortly. Please contact your account team for details
- SPR47910- Resolved an issue where sometimes device enters Rescue Party mode.
- SPR47607 - Resolved an issue where device sometimes unable to resolve server names that are fully qualified domain names.

○ **Usage Notes**

- None

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-21-27.00-RN-U00-STD-ATH-04
Android Version	11
Security Patch level	May 01, 2023
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are TC53 family of products.

Please see device compatibility details under Addendum Section.

Known Constraints

- Delta OTA packages are not supported in Recovery mode. To apply Delta OTA packages, use StageNow/MDM solution.
- Key programmer configuration is lost after performing OS update.
- During Battery True Swap device may suspend before 30 seconds with some EMM Kiosk mode Launchers.
- User will not be able to push files into below listed directories using adb command. Alternately, EMM clients or StageNow can be used to push files into below listed directories.
 - /enterprise/

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
TC53	TC5301-0T2K6B1000-CN	TC53

Component Versions

Component / Description	Version
Linux Kernel	5.4.210-qgki
AnalyticsMgr	10.0.0.1002
Android SDK Level	30
Audio (Microphone and Speaker)	0.18.0.0
Battery Manager	1.4.0
Bluetooth Pairing Utility	3.27
Camera	2.0.24
Chromium and Android Webview	111.0.5563.58
DataWedge	11.4.205
EMDK	11.0.134.4034
Files	11
License Manager and LicenseMgrService	6.1.1 and 6.1.3
MXMF	11.9.0.18
NFC FW	12.50.9
OEM info	9.0.0.828
OSX	QCT6490.110.11.6.29
Rxlogger	7.0.5.19
Scanning Framework	37.9.8.0
StageNow	11.9.0.1
WLAN	Fusion Version: FUSION_QA_4_1.2.0.016_R
Zebra Bluetooth	11.7.1
Zebra Volume Control	3.0.0.91
Zebra Data Service	10.0.4.1263
Zebra Device Manager	11.9.0.33
WorryFreeWiFi	WA_A_3_1.1.0.016_R

Revision History

Rev	Description	Date
1.0	Initial release	May 06, 2023