Release Notes – Zebra Android 10

10-30-02.00-QN-U02-STD-HEL-04 Release (NGMS)

Highlights

This Android 10 GMS release 10-30-02.00-QN-U02-STD-HEL-04 covers L10A 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_10-30-02.00-QN-U02-STD-HEL-04.zip	LG Package Update

Security Updates

This build is Compliant up to Android Security Bulletin of March 05, 2022.

LifeGuard Update 02

➢ This LG patch is applicable for 10-30-02.00-QN-U00-STD-HEL-04 BSP version.

- **o Resolved Issues**
  - SPR44618/44765 - Resolved an issue wherein Audio was intermittently getting routed via device mic instead of BT headset.
  - SPR44212 - Resolved an issue wherein device would reboot if specific Camera 2 App was used together with a DO App.
  - SPR45159 - Resolved an issue wherein DisAllowApplicationUpgrade was leading to Apps getting crashed.
  - SPR44810 - Resolved an issue wherein NFC bump used to fail after using Camera on Non-Scanner SKUs.
  - SPR44971 - Resolved an issue wherein BT Audio gateway codec was not working at 8kHz.
  - SPR45423 - Resolved an issue wherein user was unable to update to recent LGs using StageNow.
  - SPR43888/SPR45016 - Resolved an issue wherein disabling status bar via MX was not hiding/blocking the status bar completely when used with full screen Apps.
  - SPR45265 - Resolved an issue wherein RFID Wedge App was not working on L10 running A10 and above.

- o **New Features**

    - • Updated the new launcher icon and splash screen for VOD app.
    - • Added support for new EB v3.3 & EKB v4.0 releases in Google Play Store.
    - • Added support to define custom beep notifications under ADF criteria in DataWedge.
    - • Added support for BMI270/ICM42607 Gyroscope/accelerometer Sensors.
    - • Added support for Automatic License Activation/Deactivation notification.
    - • Added support for WorryFreeWifi Roam Analysis Additional params support.
    - • Added support for WorryFreeWifi Voice Analysis Call ID to Identify Analysis Events related to Specific VoIP call.
    - • Added support for Zebra software licensing to persist license over enterprise reset without having an internet connectivity.

- o **Usage Notes**

    - • BMI270/ICM42607 Gyroscope/accelerometer sensor devices require 10-30-02.00-QN-U02-STD-HEL-04 or higher to ensure full G-sensor functionality.
    - • The installed Gyroscope/Accelerometer sensors can be identified either in SETTINGS or via ADB command:

        SETTINGS
        - ▪ Devices with BMI270/ ICM42607 Gyroscope/accelerometer sensor will list sensor type as BMI270/ ICM42607 on "Settings-->About phone-->SW components-->Gyroscope" or "Settings-->About phone-->SW components -- >Accelerometer".

        ADB
        - ▪ Check the ro.config.device.gyro & ro.config.device.accelerometer property using getprop command from adb.
        - ▪ Devices with BMI270 Gyroscope/accelerometer sensor will have ro.config.device.gyro = 32 ro.config.device.accelerometer=120
        - ▪ Devices with ICM42607 Gyroscope/accelerometer sensor will have ro.config.device.gyro = 260 ro.config.device.accelerometer=2052

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	10-30-02.00-QN-U02-STD-HEL-04
Android Version	10
Security Patch level	March 5, 2022
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 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.
- Unable to scan remote company network using ES file explorer over VPN.
- 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.
- Stagenow package name has been changed to com.zebra.devicemanager, This can cause issues with AE enrollments and locking down an unit like with EHS or EMM lockdowns. This Issue will be fixed on June 2022 LifeGuard Release.

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
L10A	RTL10B1-xxxxxxxxxxCN *Note: 'x' Stands for wild card for different configurations*	L10A Home Page

Addendum

Component Versions

Component / Description	Version
Linux Kernel	4.4.205
AnalyticsMgr	2.4.0.1254
Android SDK Level	29
Audio (Microphone and Speaker)	0.35.0.0
Battery Manager	1.1.7
Bluetooth Pairing Utility	3.25
Camera	2.0.002
DataWedge	8.2.602
EMDK	9.1.3.3203
Files	10
License Manager and License Agent	version 6.0.8 and version 6.0.34.5.0.2
MXMF	10.5.0.77
NFC	NFC_NCIHALx_AR18C0.a.3.0
OEM info	9.0.0.565
OSX	QCT.100.10.11.68
RXlogger	6.0.4.0
Scanning Framework	28.11.5.2
StageNow	5.3.0.4
WLAN	FUSION_QA_2_1.3.0.043_Q
Baseband	W220117A_021.1-00889

Zebra Bluetooth Settings	2.3
Zebra Data Service	10.0.3.1001
Android Webview and Chromium	96.0.4664.45

Revision History

Rev	Description	Date
1.0	Initial release	April 12, 2022