Release Notes – Zebra Android 10 – L10A

10-30-02.00-QN-U00-STD-HEL-04 Release (NGMS)

Highlights

This Android 10 NGMS Release 10-30-02.00-QN-U00-STD-HEL-04 covers L10A family of products. Please see, Device Compatibility under Device Support Section for more details.

This release introduces new display ZBR_R47 and touch EXC86H82. New/Repaired devices with these new parts cannot be downgraded to BSPs below 10-30-02.00-QN-U00-STD-HEL-04.

This release includes all fixes that are part of BSP 10.16.10 with LifeGuard Update 106.

Software Packages

Package Name	Description
HE_FULL_UPDATE_10-30-02.00-QN-U00-STD-HEL-04.zip	Full Package Update
HE_DELTA_UPDATE_10-16-10.00-QN_TO_10-30-02.00-QN.zip	Delta Update from 10-16-10.00-QN to 10-30-02.00-QN

Security Updates

This build is Compliant up to Android Security Bulletin of October 01, 2021.

Version Information

Below Table contains important information on versions.

Description	Version
Product Build Number	10-30-02.00-QN-U00-STD-HEL-04
Android Version	10
Security Patch level	October 1, 2021
Component Versions	Please see Component Versions under Addendum section

New Features

- Added support for new display ZBR_R47.
- Added support for new touch EXC86H82.
- Support for WLAN Front End Module 45868, was already included on LG CFE Patch U104 or above.

Resolved Issues

- None

Usage Notes

- L10A devices with new display ZBR_R47 and touch EXC86H82 cannot be downgraded to BSPs below 10-30-02.00-QN-U00-STD-HEL-04.

  To identify display type, users can check 'ro.config.device.display' property using getprop command from adb.

  o   Devices with new display ZBR_R47 will have [ro.config.device.display]: [513]
  o   Devices with display EP101R1912N1000TG will have [ro.config.device.display]: [2001]

  To identify touch type, users can check 'ro.config.device.touch property using getprop command from adb.

  o   Devices with new touch EXC86H82 will have [ro.config.device.touch]: [32770]
  o   Devices with touch EXC3161 will have [ro.config.device.touch]: [32768]

- Devices with WLAN Front End Module 45868, LG CFE Patch U104 or above is a Mandatory patch for BSP 10.16.10

  o   WLAN Front End Module can be identified using adb shell getprop ro.config.device.wlan_fem [ro.config.device.wlan_fem]: [QM45868]

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.

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	8.2.505
EMDK	9.1.3.3203
Files	10
License Manager and License Agent	version 6.0.7 and version 6.0.18.5.0.1
MXMF	10.5.0.60
NFC	NFC_NCIHALx_AR18C0.a.3.0
OEM info	9.0.0.331
OSX	QCT.100.10.11.64
RXlogger	6.0.4.0
Scanning Framework	28.11.4.0
StageNow	5.3.0.2
WLAN	FUSION_QA_2_1.3.0.041_Q
Baseband	W210914D_018.1-00876
Zebra Bluetooth Settings	2.3
Zebra Data Service	10.0.3.1001
Android Webview and Chromium	93.0.4577.62

Revision History

Rev	Description	Date
1.0	Initial release	December 3, 2021