



# Release Notes – Zebra Android 13

## 13-27-27.00-TN-U00-STD-GRT-04 Release (NON-GMS)

### Highlights

This Android 13 GMS release 13-27-27.00-TN-U00-STD-GRT-04 covers TN28 series product. Please see, device compatibility under Addendum Section for more details.

### Software Packages

Package Name	Description
<a href="#">GR_FULL_UPDATE_13-27-27.00-TN-U00-STD-GRT-04.zip</a>	Full Update Package
<a href="#">GR_DELTA_UPDATE_13-26-19.00-TN-U00-STD_TO_13-27-27.00-TN-U00-STD.zip</a>	Delta package from previous release 13-26-19.00-TN-U00-STD-GRT-04

### Security Updates

This build is Compliant up to [Android Security Bulletin](#) of March 01, 2024.

### LifeGuard Update 13-27-27.00-TN-U00-STD-GRT-04

This LG patch is applicable for 13-26-19.00-TN-U00-STD-GRT-04 version.

### New Features

- **Scanner Framework**
  - Added support to Zebra POS Scanner/Scale.
  - Added support for COPE mode.
- **MX 13.2**
  - **Audio Manager adds the ability to:**
    - Control whether to show/hide vibration icon on the Status Bar, which indicates whether the device vibrates when Notifications are received.
  - **Audio Volume UI Manager adds the ability to:**
    - Control whether to allow the device user to show/hide the vibration icon on the Status Bar of the device.

- **Cellular Manager adds the ability to:**
  - Configure Voice Over LTE settings with a JSON file.
- **UI Manager adds the ability to:**
  - Control Large-screen Taskbar usage, which displays recent and pinned apps, plus a link to the app library.
  - Control usage of the Active App List UI in the Notification panel on the device, potentially allowing the user to terminate apps running on the device.
  - Identify external keyboard names using wildcard characters.
- **USB Manager adds the ability to:**
  - Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used.
- **WWAN**
  - SSD & SS enabled over IMS for Saudi Arabia.
  - Disabled MHS and setting for VZW Carrier.
- **DataWedge**
  - Added support for Digital Link parsing for GS1 barcodes in DataWedge
- **Bluetooth**
  - Smart leash feature support for device tracker application.
  - Added support device discovery, connection state.
  - Added feature to measure battery consumption per application.
- **Wireless Analyzer**
  - Improved analysis reports and error handling for Roaming and Voice Features, support for WPA3, 6E and MultiBSSID bug fix.

## Resolved Issues

- SPR-51099 Fixed an issue where user is unable to scan in the Google Setup Wizard screen.
- SPR-51746 Fixed an issue where DataWedge is getting disabled when an EMDK scanning application is launched soon after a reboot.
- SPR-52011 Resolved an issue wherein a delay in processing EMDK profiles were observed.
- SPR-51954 Resolved an issue wherein location or other configuration were not working without cope mode enabled in device.
- SPR-51686 Resolved an issue wherein FileMgr was reporting download completed before the file downloaded successfully.
- SPR-51491 Resolved an issue wherein MX Display configuration caused screen to dim but not time out.
- SPR-51888 Resolved an issue wherein "Shift" + "Force State OFF" mapping was not working.
- SPR-52138 Resolved an issue wherein DM session authentication failure observed with Verizon carrier.

- SPR-50739 Resolved issue wherein hardware picklist is not working in NG Simulscan Multibarcodes mode.
- SPR-51297 Corrected device transport type for BLE connections.
- SPR-51976 Resolved an issue with Autorotate Disabled for ET4X.

## LifeGuard Update 13-26-19.00-TN-U00-STD-GRT-04

This LG patch is applicable for 13-23-30.00-TN-U00-STD-GRT-04version.

### ○ New Features

- None

### ○ Resolved Issues

- None

### ○ Usage Notes

- None

### ○ Known Constraints

- None

## LifeGuard Update 13-23-30.00-TN-U00-STD-GRT-04

This LG patch is applicable for 13-23-30.00-TN-U00-STD-GRT-04version.

Updated below mentioned components.

WebView 116.0.5845.114

### ○ New Features

- UI Manager adds the ability to Show/hide Immersive Mode pop-up warning.
- Pop-up suppression and USB controlling Application.
- Allows capture of either a barcode or OCR (single word) by centering the desired target with the aiming crosshair or dot. Supported on both Camera and Integrated Scan Engines.

### ○ Resolved Issues

- SPR51331 – Resolved an issue where Scanner remained in DISABLED status after suspending and resuming the device.
- SPR51244/51525 – Resolved an issue where ZebraCommonIME/Data Wedge getting set as primary Keyboard.
- SPR51101 -- Resolved an issue wherein few chars were getting missed in decoded barcode data while performing scanning in HID mode.
- SPR51467 - Resolved an issue wherein VoLTE config for a certain carrier was not connecting to 5G.
- SPR48241 - Resolved an issue wherein System UI was crashing with MobileIron's DPC launcher on long pressing of back button from keyboard.
- SPR50986 - Resolved an intermittent issue wherein Datawedge profile with UPCA settings was not getting created programmatically.
- SPR-51480 - Resolved an issue wherein Shift key functionality with ForceStateOFF was not working.

- **Usage Notes**

- None

- **Known Constraints**

- None

## **LifeGuard Update 13-21-05.00-TN-U00-STD-GRT-04**

### **New Features**

- This is an initial Android 13 NON-GMS release for TN28 family of products.
- 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 ZConfigure folder.

### **Resolved Issues**

- SPR48680 Resolved an issue with Video conference over WEB RTC (Real Time Communication)
- SPR48197 Resolved an issue with Device freeze and reboot after a specific SIM is inserted.
- SPR50196 Resolved an issue with Display randomly blinks off on when in workstation cradle.
- SPR50306 Resolved an issue with intermittently fail to emit scan beam.
- SPR50527 Resolved an issue with reboot with specific carrier.
- SPR51037 Resolved an issue with Scan beam issue.
- SPR50307 Resolved an issue with unexpected reboots.
- SPR50571 Resolved an issue with Manual Screen Rotation Doesn't Rotate the Screen.
- SPR50667 Resolved an issue with Bluetooth disconnections with payment pin terminal.
- SPR50862 Resolved an issue with wrong APN proxy & mms setting for Swisscom fix porting.

- SPR47670 Resolved an issue with Application crashing
- SPR47886 Resolved an issue with Synaptic FW
- SPR48803 Resolved an issue with MX UI Setting LockOverrideButton throws exception Feature is not supported.
- SPR50166 Resolved an issue with Verizon network connection .
- SPR48504 Resolved an issue with access internal site by URL.
- SPR47061 Resolved an issue with MX APK Upgrade.
- SPR47856 Resolved an issue with WLAN disconnection .
- SPR47926 Resolved an issue with Available SSID's are not always showing up / connecting
- SPR50640 Resolved an issue with DUT not able to ping Hostname if changed MX 11.6
- SPR51205 Resolved an issue with DUT seems to have same BT SCO 4kHz .
- SPR47128 Resolved an issue with App installed manually to device failed to uninstall via Stagenow/ EMDK
- SPR47285 Resolved an issue with TN28 enter to Rescue Party mode after called the reboot from MX under DO mode of China Unicom MDM.
- SPR47767 Resolved an issue with ET45 incorrect screen size information shown
- SPR47903 Resolved an issue with ET40 location services crashing.
- SPR47925 Resolved an issue with ET45 display reverting to landscape mode when docked
- SPR48182 Resolved an issue with SOTI script resetpassword is setting screen lock to Password instead of PIN.
- SPR48705 Resolved an issue with ET45 rotating when in cradle.
- SPR51024 Resolved an issue with ET4x Lock Override button is not working.
- SPR50755 Resolved an issue with decomission battery error.
- SPR47768 Resolved an issue with WLAN reconnection issue.
- SPR51024 Resolved an issue with ET4x Lock Override button is not working.

## Usage Notes

- None

## Known Constraints

- DHCP Option 119 & Auto PAC Proxy feature is currently not supported in this release. Zebra is working on enabling these 2 features in future Android 13 releases.
- Ethernet configuration static to DHCP is not supported via Mx in this release.
- To apply Delta OTA packages, use StageNow/MDM solution. Delta OTA packages are not supported in Recovery mode.
- Data will not be Persisted if we upgrade to this A13 image from A11 image with greater SPL Version .
- Upgrading to this A13 OS version from A11 will not work on 1mbps network until this issue is fixed in A11 image .
- In mirror mode if device and external display resolution are different , UI flicker will be observed when Undock/ dock the device.
- OTA update from AB - /storage/usbotg/ will take more than 2 minutes to initiate.
- In landscape mode when display and font is set to maximum, Lock icon will not be visible .
- Wireless insights and wireless analyzer are not supported in this release. will be supported in a later SW Update
- Workstation Connect is not supported on this release, compatibility with this solution will be introduced on an upcoming release.

- Zebra apps do not support Android Work Profiles or any COPE Mode features. Zebra is working on enabling these features in future Android 13 releases.

## Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	<b>13-27-27.00-TN-U00-STD-GRT-04</b>
Android Version	13
Security Patch level	Mar 01, 2024
Component Versions	Please see Component Versions under Addendum section

## Device Support

The products supported in this release are TN28 series product. Please see device compatibility details under Addendum Section.

## 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
TN28	TN28CKA-1QE14SY-CN TN28CKA-1QE14SX-CN	TN28CKA-1QG14SY-CN TN28CKA-1QG14SX-CN <a href="#">TN28 Home Page</a>

## Component Versions

Component / Description	Version
Acoustic Profiles	General:TN28-T-1.1 Cellular: TN28-T-1.1
Audio	0.12.0.0
AnalyticsMgr	10.0.0.1008
Android SDK Level	33
Base Band Version	MPSS.HI.4.3.4-00572-MANNAR_GEN_PACK-1
Battery Manager	1.4.7
Bluetooth Pairing Utility	Application Version: 6.3.11 Build Version: 6.1
Camera	2.04.102 (164-00)
DataWedge	13.0.218
EMDK	13.0.13.4713
Files	version 13
GMS	13_202304
License Manager	6.1.3
MXMF	13.2.0.32
NFC	NFC_NCIHALx_AR18C0.13.01.00
OEM info	9.0.0.1005
OSX	QCT6375.130.13.19.15
RXLogger	13.0.12.27
Scanning Framework	41.17.8.0
StageNow	Application version: 13.0.0.0 Build Version: 13.2.0.32

Touch Panel (FW)	Touch Version: 0x0a Mode: Finger only
Zebra Bluetooth	13.4.1
Chrome and WebView	115.0.5790.166
GPSU	October-2023 Mainline

## Revision History

Rev	Description	Date
1.0	Initial release	March 21, 2024