

Release Notes – Zebra Android Pie 02-21-09.00-PN-U01-STD Release (NGMS)

Highlights

The details of the Android GMS Pie release 02-21-09.00-PN-U01-STD that covers family of products including TC52, TC72, PS20x. Please see, Device Compatibility under Addendum 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_02-21-09.00-PN-U01-STD.zip | LG Package Update |

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of June 01 2020. Final release will contain newer security updates.

LifeGuard Update 01:

➤ This LG patch is applicable for 02-21-09.00-PN-U01-STD BSP version.

The LG Patch includes the following updated components.

- **WLAN** FUSION_QA _2_1.1.0.020_P
- **DataWedge** 7.4.56
- **EMDK** 7.4.26.2426
- **Osx** QCT.90.9.6.43
- **MX** 9.4.0.1
- **Stagenow** 3.4.1.5

Version Information

Below Table contains important information on versions

| Description | Version |
|----------------------|---|
| Product Build Number | 02-21-09.00-PN-U01-STD |
| Android Version | 9 |
| Security Patch level | June 1, 2020 |
| Linux Kernel | 4.4.153 |
| Component Versions | Please see Component Version under Addendum section |

New Features

- Added support for Tianma display panel for TC72. This image is backward compatible with existing Innolux display.

Important Links

• Requirements and Instructions

- [Installation and setup instructions](#)
 - ✦ [Zebra Techdocs](#)
 - ✦ [Developer Tools](#)

Upgrade Options

Below table provides detailed information on shortest path to upgrade based on current version of software.

| Current Software Version on Device | Steps to get to this Release | Comments |
|------------------------------------|--|----------|
| 02-11-01.00-PN-Uxx | Apply Full Package Update HE_FULL_UPDATE_02-21-09.00-PN-U00-STD.zip Followed by Apply Delta Update HE_DELTA_UPDATE_02-21-09.00-PN-U01-STD.zip | |

| | | |
|--------------------|--|--|
| 02-21-09.00-PN-Uxx | Apply Delta Package Update HE_DELTA_UPDATE_02-21-09.00-PN-U01-STD.zip | |
|--------------------|--|--|

NOTE: The TC72 devices with Tianma display are not allowed to downgrade to Android P BSP 2.11.01 or older Oreo versions below BSP 01.30.04. To identify the display type on TC72 devices user can check the ro.config.device.display property using getprop command from adb shell –

For TC72 Innolux device – [ro.config.device.display]: [900]

For TC72 Tianma device – [ro.config.device.display]: [512]

Known Constraints and Workarounds

Below are Known Constraints and workaround if applicable.

- If VPN is configured with 'Always On' on a device, on a reboot, there is an intermittent occurrence of device not connecting to VPN server. User can workaround the issue by configuring the VPN as not 'Always On'.

Addendum

Device Compatibility

This software release has been approved for use on the following devices.

| Device Family | Part Number | Device Specific Manuals and Guides |
|---------------|--|------------------------------------|
| TC52 | TC520K-2PEZU4P-CN | TC52 Home Page |
| TC72 | TC720L-0ME24B0-CN | TC72 Home Page |
| PS20 | PS20J-B2G2CN00 PS20J-P4G2CN00 PS20J-P4H1CN00 | PS20 Home Page |

Component Versions

| Component / Description | Version |
|-------------------------|---------|
|-------------------------|---------|

| | |
|-----------------------------------|---------------------------------------|
| ActiveEdge | 2.7.4 |
| AnalyticsMgr | 2.4.0.1251 |
| Audio (Microphone and Speaker) | 0.12.0.0 |
| Battery Management | Version: 1.4.2 |
| Battery Swap | Version: 2.1.1 |
| Bluetooth Pairing Utility | Version 3.16 |
| PS20 Cradle | Utility 1.01 FWUpdater : 1.0 |
| DataWedge | 7.4.56 |
| Device Central | 2.2.0.8 |
| Diagnostic Tool | 1.19.0.3 |
| EMDK | 7.4.26.2426 |
| Enterprise Keyboard | 2.2.2.3 |
| Fota | 1.0.0.5 |
| License Manager and License Agent | version 3.2.0 and version 3.2.0.3.2.0 |
| MSRN | 2.01 |

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|------------------------------|--|
| MX | MXMF version:9.4.0.1 |
| NFC | NFC_NCIHALx_AR40.9.3.0 |
| OSX | QCT.90.9.6.43 |
| PTT Express | 3.1.42 |
| Rxlogger and RxLoggerUtility | Version 6.0.0.0 and Version: 2.0.5.0 |
| Scanning Framework | 22.1.17.0 |
| Simulscan | Version: 4.0.5 and SimulscanEngine 3.2.3 |
| WorryFree Wifi Analyzer | WFW_QA_2_1.10.0.009_P |
| StageNow | 3.4.1.5 |
| Touch Panel | TC52 : 1.8.3-Finger 2-0 TC72 : 2.0.1-Finger 1-0 PS20 : v08 |
| WLAN | FUSION_QA_2.1.1.0.020_P |
| Zebra Bluetooth | 2.1 |
| Zebra Data Service | 9.0.0.1210 |
| Zebra Volume Control | 2.2.0.8 |

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|---------------|---------------|
| Zebra Folders | 9.1 |
| Webview | 66.0.3359.158 |