Release Notes – Zebra Android 11

11-17-20.00-RG-U00-STD-GSE-04 Release (GMS)

Highlights

This Android 11 GMS release 11-17-20.00-RG-U00-STD-GSE-04 covers ET40S, ET40L, ET45S and ET45L series product. Please see, device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
GO_FULL_UPDATE_11-17-20.00-RG-U00-STD-GSE-04.zip	Full Update Package
GO_DELTA_UPDATE_11-14-28.00-RG-U00-STD_TO_11-17-20.00-RG-U00-STD.zip	Delta update package from 11-14-28 to 11-17-20 BSP

Security Updates

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

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-17-20.00-RG-U00-STD-GSE-04
Android Version	11
Security Patch level	November 05, 2022
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are ET40S, ET40L, ET45S and ET45L series product. Please see device compatibility details under Addendum Section. *This SW is not approved Verizon carriers yet and once approved updated release notes with the supported device part numbers would be published*.

New Features

- MXMF
  - Please refer to MXMF Version History for more information on new features added for MXMF.
  - Added accessibility settings to reduced settings mode in MXMF
- Full functionality of Wireless Analyzer is available with this BSP Image. Prior images only supported Beta version of Wireless Analyzer.
- Battery Manager
  - Zebra Charge Manager Parameters are added to list of parameters that battery manager displays to the user.
- RXLogger
  - Added additional option in Snapshot module to include WAN dumpsys functionality
  - Added feature to reduce interruption to logging when user accidentally deletes the RXLogger folder in the device.
- Scanner Framework
  - USB scanner and Cradle support added
  - Free-form OCR feature support added
  - Free-Form Image Capture feature support added
  - New OCR Wedge Features added: License plate, Identification Documents, Vehicle Identification Number (VIN), Tire Identification Number (TIN), Shipping Container ID, Meter
  - Document Capture feature support added
  - Barcode Highlighting Feature support added
- Zebra Camera Application is introduced to ET40/ET45 devices with current version of SW. Features supported include
  - Consumer phone style UI for easier workforce adoption
  - Built-in QR Code decode for accessing internal or external websites
  - Dirty lens detection and warning to reduce the chance of taking photos with obstructed lens
  - Integrated Google Lens feature
  - Better image quality in wider variety of lighting conditions
- Added functionality to Zebra Bluetooth Manager to enable or disable the default silent pairing option as out of box it is enabled always and no option was available to disable it previously.
- DataWedge now has Zebra Camera added to the disabled App list so DW will not get enabled when camera App is running.

Resolved Issues

- SPR-47094 – Resolves an issue where, ET40 does not connect to AirWatch Server when device is connecting to the network through a Proxy PAC file.
- SPR-46408 – Resolves an issue where, StageNow Not showing downloading pop up when downloading OS update file from custom ftp server
- SPR-46162 – Resolves an issue where, USB keyboard stop working when using USBMgr, a parameter called "Access device storage from PC via USB" is set to disable.
- SPR-46418 – Resolves an issue where, License through Proxy is failing from StageNow
- SPR-47128 – Resolves an issue where, App installed manually to device failed to uninstall via StageNow/EMDK uninstall from App Manager
- Fixed an issue where, using wireless insights concurrently with WLAN voice calls not supported.
- Fixed an issue where, A customer using a proxy PAC file which has isInNet() JavaScript API to direct the traffic to intranet vs extranet or similar functionality will not be able to establish a connection to the desired endpoint without switching to an alternate API.

- Fixed an issue where, "ping" functionality of "Wireless Analyzer" will not be supported for 802.11ax.
- SPR-47903 – Resolves an issue where, location services crash triggers a device rescue party mode.
- SPR-47767 – Resolves an issue where, incorrect screen size information shown when queried through benchmark SW.
- SPR-47707 – Resolves an issue where, regular ANRs seen when DW and EMDK was used with work profile
- SPR-47670 – Resolves an issue where, application requiring large heap size crashed
- SPR-47926 – Resolves an issue where, available SSID's are not always showing up / connecting
- SPR-47856 – Resolves an issue where, occasionally WLAN disconnects and does not connect back especially with ISP provided Aps.
- SPR-47768 – Resolves an issue where, WLAN reconnection not successful when the device leaves a known network for longer periods of time.
- Fixed an issue where, when enterprise reset is done on a device where MDNA license is enabled, persisted configuration settings for Zebra Volume Control and Bluetooth Manager which is persisted using the Persist Manger need to be re-configured after the enterprise reset.

Usage Notes

- None

Known Constraints

- Due to Google security constraint, products introduced with Android 11 as the base OS limits the "adb push" command to copy files only to /data partition hence pushing files directly to /enterprise or sub folder of enterprise partition using "adb push" command will not be supported. Please see respective product documentation for further details on path changes related to this constraint.
- In the current version of SW Released, Wi-Fi Hotspot feature is disabled. This is expected to get enabled back in future maintenance release.
- Applicable only for ET45S (8 inch) devices with SE4710 scan engine
    - We recommend a SW patch for improving high usage scanning use cases such as **presentation mode/long illumination** and for document capture use cases. Contact your Zebra support channel for more information.
- When ET40/ET45 is used with a workstation docking cradle or POS Hub we recommend keeping the ethernet port enabled as per default out of the box condition. Upcoming Maintenance releases will address this issue which will allow to disable ethernet port if desired. Please note that this restriction does not apply for charge only cradles.
- "Messages for Web" feature is not fully supported with the current version of SW as after a device reboot it does not allow to pair with another browser unless a factory reset is done.
- Battery manager charging status is shown as "Not Charging" once the battery is fully (100%) charged instead of showing as "Full" once Zebra Charge Manager feature is enabled.
- Camera Manager CSP is not supported on ET40/ET45 Devices.
- Device display will be force rotated to landscape once the device is placed in a cradle. If this needs to be disabled, contact your Zebra support channel for more information.
- Current SW Released will not support "Wind Tre Business" SIM cards due to known stability issue. Support for this SIM would be added in subsequent maintenance releases.

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.

NOTE:

This SW is not approved Verizon carriers yet and once approved updated release notes with the supported device part numbers would be published.

Device Family	Part Number		Device Specific Manuals and Guides
ET40S	ET40AA-001C1B0-NA ET40AA-001C1B0-FT ET40AA-001C1B0-A6 ET40AA-001C1B0-IN ET40AA-001C1B0-TR	ET40AA-001C1B0-XP ET40AA-001D1B0-A6 ET40AA-001D1B0-NA ET40AA-001C1BM-NA	ET40 Home Page
ET40L	ET40AB-001C1B0-NA ET40AB-001C1B0-FT ET40AB-001C1B0-A6 ET40AB-001C1B0-IN ET40AB-001C1B0-TR ET40AB-0H1C1B0-A6 ET40AB-0H1C1B0-FT	ET40AB-0H1C1B0-IN ET40AB-0H1C1B0-NA ET40AB-0H1C1B0-TR ET40AB-001D1B0-A6 ET40AB-001D1B0-NA ET40AB-001C1BM-NA ET40AB-0H1C1BM-NA	
ET45S	ET45CA-101D1B0-A6 ET45CA-101D1B0-IN ET45CA-101D1B0-ID ET45CA-101D1B0-TR	ET45CA-101D1B0-XP ET45BA-101D1B0-FT ET45BA-101D1B0-NA ET45BA-101D1BM-NA	ET45 Home Page
ET45L	ET45CB-101D1B0-A6 ET45CB-101D1B0-IN ET45CB-101D1B0-TR ET45CB-101D1B0-XP ET45CB-1H1C1B0-A6 ET45CB-101D2B0-A6 ET45CB-101D2B0-IN ET45CB-101D2B0-TR	ET45BB-101D1B0-FT ET45BB-101D1B0-NA ET45BB-1H1C1B0-FT ET45BB-1H1C1B0-NA ET45BB-101D2B0-FT ET45BB-101D2B0-NA ET45BB-101D1BM-NA ET45BB-101D2BM-NA ET45BB-1H1C1BM-NA	

Component Versions

Component / Description	Version

Acoustic Profiles	ET4XS: General: ET4XS-R-1.2
	                Cellular: N/A
	ET4XL: General: ET4XL R-2.2
	                Cellular: N/A

Audio	0.1.0.0
AnalyticsMgr	10.0.0.1002
Android SDK Level	30
Base Band Version	MPSS.HI.4.3.1-01282-MANNAR_GEN_PACK-1
Battery Manager	1.4.0
Bluetooth Pairing Utility	3.27
Camera Tuning	Camera 0: 02.C.OV13B10.08 Camera 1: 02.C.GC5035.04
DataWedge	11.4.42
EMDK	11.0.133.4033
Files	aml_doc_310851020
GMS	[11_202203]
License Manager	License Manager: 6.0.13 License Agent Version: 6.0.40.5.0.3
Linux Kernel	5.4.147
MXMF	11.6.0.17
NFC	PN7160_AR_11.02.00
OEM info	9.0.0.699
OSX	SD6375.110.19.31
RXLogger	7.75.3.24

Scanning Framework	37.7.4.0
StageNow	11.6.0.0
Touch Panel (FW)	7.0.0.1.10.1.0.5
WLAN	Version: FUSION_SA_5_3.0.0.011_R Firmware Version: 18.35.387.23.1308.9
Wireless Analyzer	WA_A_2_7.4.0.025_R Wireless Analyzer: 3.2.13
WWAN	HW MBN: HW_DEFAULT: 0AE10104 SW MBN: SIM 0: ROW_Commercial
Zebra Bluetooth	Service: 11.2.1 Settings: 11.0.5
Zebra Camera	2.0.24
Zebra Data Service	10.0.6.1001
Zebra Volume Control	3.0.0.81

Revision History

Rev	Description	Date
1.0	Initial release	January 05, 2023
1.1	Removed the NA Carrier limitation	May 08, 2023