

# ET40S Zebra Android 11 User Manual

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## ET40S Zebra Android 11 User Manual

ET40S Zebra Android 11.webp

### Highlights

This Android 11 GMS release 11-30-12.00-RG-U01-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_11-30-12.00-RG-U01-STD-GSE-04.zip                     | Full Update Package  |
| GO_DELTA_UPDATE_11-30-12.00-RG-U00-STD_TO_11-30-12.00-RG-U01-STD.zip | Delta package from previous release 11-30-12.00-RG-U00-STD |

### Security Updates

This build is Compliant up to Android Security Bulletin of February 01, 2024.  
LifeGuard Update 11-30-12.00-RG-U01

LifeGuard Update 11-30-12.00-RG-U01 contains security updates only.  
This LG patch is applicable for 11-30-12.00-RG-U00-STD-GSE-04 version.  
o New Features

- None
- o Resolved Issues
- None
- o Usage Notes
- None

#### LifeGuard Update 11-30-12.00-RG-U00

➤ This LG patch is applicable for 11-27-20.00-RG-U00-STD-GSE-04 version.

#### New Features

- RxLogger 7.75.5.42:
- o One Touch feature:
  - One-Touch feature is to improve the logging with just one touch to select the modules with the problem area and start logging. The logging can be configured for a particular pre-defined time duration as well, to avoid the internal flash storage wear and tear over time.

#### o Resolved Issues

- SPR-48705 – Resolved an issue where screen orientation was changing when device was placed on cradle even though screen rotation was disabled.
- SPR-51425/SPR-51384 – Resolved an issue where YUV Channel on Color Camera fails with third channel producing a green-only signal.
- SPR-51205 – Resolved an issue wherein BT Audio gateway codec was not working at 8kHz.
- SPR-51851 – Resolved issue in files app which was unable to access the Android/Data folder list.
- SPR-51696 – Resolved an issue during long running RxLogger Snapshot module, due to file open badbit, file closure has failed and the file was not in a usable state, which caused to delete the old files and was not generating new snapshot files.
- SPR-52138 – Resolved an issue where in DM session authentication failure observed with Verizon carrier.
- SPR-51355 – Resolved an issue for Network mode Selection does not persist across reboot on Verizon operator.
- SPR-52175 – Resolved an issue where an application requesting landscape orientation would receive reverse landscape.

#### o Usage Notes

- None

#### LifeGuard Update 11-27-20.00-RG-U00

This LG patch is applicable for 11-23-29.00-RG-U03-STD-GSE-04 version

Updated below mentioned components:

|                           |                         |
|---------------------------|-------------------------|
| OSx version -             | SD6375.110.25.39        |
| Acoustic Profile          | General : ET45L-R-3.4   |
| Bluetooth Pairing Utility | 3.29                    |
| Data Wedge                | 11.4.310                |
| EMDK                      | 11.0.141.4041           |
| Linux Kernel              | 5.4.233                 |
| MXMF -                    | 13.1.0.14               |
| OEM Info                  | 9.0.0.828               |
| Scanning Framework -      | 37.9.24.0               |
| RXLogger -                | 7.75.5.36               |
| License Agent Version-    | 6.1.7.5.0.3             |
| WLAN Version-             | FUSION_SA_5_4.0.0.009_R |

## o New Features

- MX 13.1:

### o Access Manager adds the ability to:

- Pre-grant, pre-deny or defer to the user access to “Dangerous Permissions.”
- Allow the Android system to automatically control permission to seldom-used apps.

### o Power Manager adds the ability to:

- Turn off the power on a device.
- Set Recovery Mode Access to features that could compromise a device.

### o UI Manager adds the ability to:

- Turn on/off Do Not Disturb mode on a device.
- Enable/disable Inter-app Sharing on a device.
- Enable/disable configuration of Accessibility options, which can help simplify device usage for those with physical and/or visual impairments.
- Show/hide Immersive Mode pop-up warning.
- Configure Touch-and-Hold Delay for key long-presses.

### o Wi-Fi adds the ability to:

- Allow an administrator to select the FTM Intervals, a preference for the frequency of updates to the Fine Timing Measurement Location on a device.

- BQR extn Support to Device Tracker app
- Zebra Recovery Protection
- Added support for ADB command for Scanner SN and Camera SN.
- Added support of AccessMgr support removal for Analytics provider.
- Added support to collect the SIM EID.
- Added support to allow device central to publish data via ZDPI.
- Disabled all NFC HAL services for Federal SKU1
- Added support for service mode.
- Added support for Detection of Fatal exceptions.
- Two applications which are to be launched in split screen mode in a customized split ratio automatically after reboot.
- Single application to be launched in full screen mode automatically after reboot.

## o Resolved Issues

- SPR-50166 – Resolved an issue where device not connecting using custom Verizon APN .
- SPR-50571 – Resolved an issue Manual Screen Rotation Doesn't Rotate The Screen.
- SPR-46893 – Resolved an issue StageNow GPRS Manager failed to set APN as a default.
- SPR-50527 – Resolved an issue where reboot randomly with Windtree simcard.
- SPR-50146 – Resolved an issue unable to remap PTT button to Power.
- SPR-50420 – Resolved an issue fix reboot issue.
- SPR- 50931 -Resolved an issue where Datawedge Free form OCR data formatting support has been added for the keystroke output.
- SPR-50649 – Resolved an issue wherein intent is not passed to app even scanning barcode after Suspend/Resume.
- SPR-51046 – Resolved an issue wherein pfx certificate will not import correctly via StageNow.
- SPR-48863 – Resolved an issue where OEMConfig Clock Settings was not being applied for Auto time mode.
- SPR-50778 – Resolved an issue where StageNow profile to install apk with capital APK fails.

## o Usage Notes

- None

### LifeGuard Update 11-23-29.00-RG-U03

- LifeGuard Update 11-23-29.00-RG-U03 contains security updates only.  
This LG patch is applicable for 11-23-29.00-RG-U01-STD-GSE-04 version.
- o New Features
  - None
- o Resolved Issues
  - None
- o Usage Notes
  - None

### LifeGuard Update 11-23-29.00-RG-U01

- LifeGuard Update 11-23-29.00-RG-U01 contains security updates only.  
This LG patch is applicable for 11-23-29.00-RG-U00-STD-GSE-04 version.
- o New Features
  - None
- o Resolved Issues
  - None
- o Usage Notes
  - None

### LifeGuard Update 11-23-29.00-RG-U00

This LG patch is applicable for 11-19-13.00-RG-U06-STD-GSE-04 version

Updated below mentioned components:

|                      |                  |
|----------------------|------------------|
| OSx version -        | SD6375.110.21.37 |
| MXMF -               | 11.9.0.18        |
| Scanning Framework - | 37.9.12.10       |
| StageNow -           | 11.9.0.1         |
| RXLogger -           | 7.75.5.31        |

|                        |                         |
|------------------------|-------------------------|
| Touch Panel -          | 7.0.0.1.10.1.0.5        |
| Zebra Data Service -   | 10.0.4.1263             |
| License Agent Version- | 6.1.3.5.0.3             |
| WLAN Version-          | FUSION_SA_5_4.0.0.007_R |
| Zebra Volume Control - | 3.0.0.91                |

#### o New Features

- Added support to configure whether LED should be on when it's charging to indicate charging status, else turn off
- Added Zebra Charge Manager support – Provides an interface to administrators to configure battery charging level & charging time to helps improve battery longevity.  
Supporting Enhanced Connection manager for device to automatically switch between Wi-Fi and Cellular based on signal strengths
- Add support of Zebra Workstation Connect Launcher
- Add support for dynamic switching between mirror mode and desktop mode
- Add support for sending immersive mode entry/exit callbacks for app to ZWC client to take care taskbar visibility

- Add support to set the Display resolution and density dynamically
- USB Manager adds the ability to Configure USB Host Mode with rules for connecting peripherals without prompting the device user, for granting apps permission to access peripherals and for auto-launching apps on connection.
- BT Insights – API support to track peripheral device/accessory connections states
- Add support of Free-Form OCR powered by Google ML Kit using Text Recognition v2 (Beta) API
- Added Support for SE5500 Lowell scan engine for ET45 10' SKUs.
- Added Support for the 8GB/128GB memory configuration for few new ET4X SKUs.
- Adding support MX CSP 11.9 for WWAN/LAN connection manager
- Adding support MX CSP 11.9 for Incoming/Outgoing call blocking through Admin

## o Resolved Issues

- SPR-48221 – Resolved an issue wherein devices would goto rescue party mode intermittently.
- SPR-50306 – Fix camera evict rule check logic issue
- SPR 48429 – Resolved an issue wherein user was able to get access to settings menu even with EHS launcher enabled while device was having low battery.
- SPR 48803 – Resolved an issue where MX UI Setting LockOverrideButton feature was throwing Feature not supported error.
- SPR-48680 – Resolved an issue where ET40/ET45/TC53/TC58 Video conference over WEB RTC (Real Time Communication) interpreting solution not working – no picture of the other participant (the interpreter) visible on the Zebra device
- SPR-48197 – Resolved an issue where Device freezes and reboots after a specific SIM is inserted
- SPR-48686 – Resolved an issue where screen rotation locking after waking from sleep
- SPR 48404 – Resolved an issue wherein Keystroke Action Key in Datawedge was not working as expected.
- SPR 47994 – Resolved an issue wherein ZDM was consuming more memory resulting in delayed response to access Privileged settings.
- SPR 47457 – Resolved an issue wherein EMDK's ProcessProfile API would fail if it was repeatedly executed.
- SPR 48005 – Resolved an issue wherein user was not able to set WIFI password that includes “\” using Stage Now
- SPR 47819 – Resolved an issue wherein user was not able to set Display size to 'Large' using Stage Now
- SPR-48051 – Resolved an issue regarding StageNow where FileMgr CSP is not working for A11
- SPR 48128 – Resolved an issue wherein Access Manager CSP was reporting “Unable to Initialize” error while using WFC.
- SPR-50225 – Resolved an issue where beam scan does not work with presentation mode and stay awake enabled
- SPR-50640 – Resolved an issue where it is not able to ping Hostname if changed to MX 11.6

## o Usage Notes

- None

## LifeGuard Update 11-19-13.00-RG-U06

> LifeGuard Update 11-19-13.00-RG-U06 contains security updates only.  
This LG patch is applicable for 11-19-13.00-RG-U06-STD-GSE-04 version

- o New Features
  - None
- o Resolved Issues
  - None
- o Usage Notes
  - None

#### LifeGuard Update 11-19-13.00-RG-U03

> LifeGuard Update 11-19-13.00-RG-U03 contains security updates only.  
This LG patch is applicable for 11-19-13.00-RG-U00-STD-GSE-04 version

- o New Features
  - None
- o Resolved Issues
  - None
- o Usage Notes
  - None

#### **LifeGuard Update 11-19-13.00-RG-U00**

> This LG patch is applicable for 11-17-20.00-RG-U03-STD-GSE-04 version

Updated below mentioned components:

OSx version – SD6375.110.20.34

License Agent Version- 6.0.45.5.0.3

WLAN Version- FUSION\_SA\_5\_4.0.0.004\_R Firmware Version- 18.35.387.23.1308.11

Zebra Volume Control – 3.0.0.84

- o New Features
  - None
- o Resolved Issues
  - SPR-48491-Enabling the 5G support for Reliance Jio Network
- o Usage Notes
  - None

#### **LifeGuard Update 11-17-20.00-RG-U03**

> LifeGuard Update 11-17-20.00-RG-U03 contains security updates only.  
This LG patch is applicable for 11-17-20.00-RG-U00-STD-GSE-04 version.

- o New Features
  - None
- o Resolved Issues
  - None
- o Usage Notes
  - None

#### **LifeGuard Update 11-17-20.00-RG-U00**

- o New Features
  - MXMF
    - o Please refer to MXMF Version History for more information on new features added for MXMF.
    - o 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
        - o Zebra Charge Manager Parameters are added to list of parameters that battery manager displays to the user.

- RXLogger
  - o Added additional option in Snapshot module to include WAN dumpsys functionality
  - o Added feature to reduce interruption to logging when user accidentally deletes the RXLogger folder in the device.
- Scanner Framework
  - o USB scanner and Cradle support added
  - o Free-form OCR feature support added
  - o Free-Form Image Capture feature support added
  - o New OCR Wedge Features added: License plate, Identification Documents, Vehicle Identification Number (VIN), Tire Identification Number (TIN), Shipping Container ID, Meter
  - o Document Capture feature support added
  - o Barcode Highlighting Feature support added
- Zebra Camera Application is introduced to ET40/ET45 devices with current version of SW. Features supported include
  - o Consumer phone style UI for easier workforce adoption
  - o Built-in QR Code decode for accessing internal or external websites
  - o Dirty lens detection and warning to reduce the chance of taking photos with obstructed lens
  - o Integrated Google Lens feature
  - o 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.

#### o 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.

#### o Usage Notes

- None

## Version Information

Below Table contains important information on versions

| Description          | Version  |
|----------------------|--|
| Product Build Number | 11-30-12.00-RG-U01-STD-GSE-04                        |
| Android Version      | 11   |
| Security Patch level | Feb 01, 2024   |
| 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.

## 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.
- “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.

## 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 |
|---------------|---|--|------------------------------------|
| ET40S         | ET40AA-001C1B0-NA<br>ET40AA-001C1B0-FT<br>ET40AA-001C1B0-A6<br>ET40AA-001C1B0-IN<br>ET40AA-001C1B0-TR<br>ET40AA-001C1B0-XP<br>ET40AA-001C1BM-NA | ET40AA-001C2B0-A6<br>ET40AA-001C2B0-TR<br>ET40AA-001C2B0-NA<br>ET40AA-001C2BM-NA | <a href="#">ET40 Home Page</a>     |

|       |  |   |  |
|-------|--|---|--|
| ET40L | ET40AB-001C1B0-NA<br>ET40AB-001C1B0-FT<br>ET40AB-001C1B0-A6<br>ET40AB-001C1B0-IN<br>ET40AB-001C1B0-TR<br>ET40AB-0H1C1B0-A6<br>ET40AB-0H1C1B0-FT<br>ET40AB-0H1C1B0-IN<br>ET40AB-0H1C1B0-NA<br>ET40AB-0H1C1B0-TR<br>ET40AB-001C1BM-NA<br>ET40AB-0H1C1BM-NA | ET40AB-001C1BM-IN<br>ET40AB-001C1BM-A6<br>ET40AB-001C2B0-A6<br>ET40AB-001C2B0-TR<br>ET40AB-0H1C2B0-A6<br>ET40AB-0H1C2B0-NA<br>ET40AB-0H1C2BM-NA<br>ET40AB-001C2B0-NA<br>ET40AB-001C2BM-NA |  |
| ET45S | ET45CA-101D1B0-A6<br>ET45CA-101D1B0-IN<br>ET45CA-101D1B0-ID<br>ET45CA-101D1B0-TR<br>ET45CA-101D1B0-XP<br>ET45BA-101D1B0-FT<br>ET45BA-101D1B0-NA<br>ET45BA-101D1BM-NA   | ET45CA-101D2B0-A6<br>ET45CA-101D2B0-TR<br>ET45CA-101D1BI-IN<br>ET45BA-101D2B0-NA<br>ET45BA-101D2BM-NA   |  |

|       |   |   |                                |
|-------|---|---|--------------------------------|
| ET45L | ET45CB-101D1B0-A6<br>ET45CB-101D1B0-IN<br>ET45CB-101D1B0-TR<br>ET45CB-101D1B0-XP<br>ET45CB-1H1C1B0-A6<br>ET45CB-101D2B0-A6<br>ET45CB-101D2B0-IN<br>ET45CB-101D2B0-TR<br>ET45BB-101D1B0-FT<br>ET45BB-101D1B0-NA<br>ET45BB-1H1C1B0-FT<br>ET45BB-1H1C1B0-NA<br>ET45BB-101D2B0-FT<br>ET45BB-101D2B0-NA<br>ET45BB-101D1BM-NA<br>ET45BB-101D2BM-NA<br>ET45BB-1H1C1BM-NA | ET45CB-101K2B0-A6<br>ET45BB-101K2B0-NA<br>ET45CB-1H1C2B0-A6<br>ET45CB-101D1BI-IN<br>ET45BB-101K2B0-FT<br>ET45BB-1H1C2B0-NA<br>ET45BB-1H1C2BM-NA | <a href="#">ET45 Home Page</a> |
|-------|---|---|--------------------------------|

The below list of SKUs will not be allowed to downgrade below June LG patch (BSP 11-23-29)

|   |  |
|---|--|
| ET40AB-001C1BM-IN<br>ET40AB-001C1BM-A6<br>ET40AA-001C2B0-NA<br>ET40AA-001C2BM-NA<br>ET40AA-001C2B0-A6<br>ET40AA-001C2B0-TR<br>ET40AB-001C2B0-NA<br>ET40AB-001C2BM-NA<br>ET40AB-001C2B0-A6<br>ET40AB-001C2B0-TR<br>ET40AB-0H1C2BM-NA | <b>SE5500 SKUs:</b><br>ET45CB-101K2B0-A6<br>ET45BB-101K2B0-NA<br>ET45BB-101K2B0-FT |
|---|--|

|   |  |
|---|--|
| ET40AB-0H1C2B0-A6<br>ET40AB-0H1C2B0-NA<br>ET45BA-101D2B0-NA<br>ET45BA-101D2BM-NA<br>ET45CA-101D2B0-A6<br>ET45CA-101D2B0-TR<br>ET45BB-1H1C2B0-NA<br>ET45BB-1H1C2BM-NA<br>ET45CB-1H1C2B0-A6<br>ET45CA-101D1BI-IN<br>ET45CB-101D1BI-IN |  |
|---|--|

## Component Versions

| Component / Description   | Version   |
|---------------------------|---|
| Acoustic Profiles         | ET4XL: General:ET40LHC-R-4.3<br>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           | 1.4.1   |
| Bluetooth Pairing Utility | 3.29  |
| Camera Tuning             | Camera 0: 02.C.OV13B10.08<br>Camera 1: 02.C.GC5035.04 |
| DataWedge                 | 11.4.310  |
| EMDK                      | 11.0.141.4041   |
| Files                     | aml_doc_310851020                                     |

|                 |  |
|-----------------|--|
| GMS             | [11_202203]  |
| License Manager | License Manager: 6.1.1<br>License Agent Version: 6.1.7.5.0.3 |
| Linux Kernel    | 5.4.233  |
| MXMF            | 13.1.0.14  |
| NFC             | PN7160_AR_11.02.00   |
| OEM info        | 9.0.0.828  |

|                    |   |
|--------------------|---|
| OSX                | SD6375.110.25.39  |
| RXLogger           | 7.75.5.43   |
| Scanning Framework | 37.9.24.0   |
| StageNow           | 11.9.0.1  |
| Touch Panel (FW)   | 7.0.0.1.10.1.0.5  |
| WLAN               | Version: FUSION_SA_5_4.0.0.009_R<br>Firmware Version: 18.35.387.23.1308.15                    |
| Wireless Analyzer  | WA_A_3_1.1.0.021_R<br>Wireless Analyzer: 3.2.13   |
| WWAN               | HW MBN: HW_DEFAULT: 0AE10104<br>SW MBN:SIM 0: ROW_Commercial:<br>Autoselection:SIM 0: enabled |
| Zebra Bluetooth    | Service: 11.5.3<br>Settings: 11.0.5   |
| Zebra Camera       | 2.0.24  |


|                                   |                |
|-----------------------------------|----------------|
| Zebra Data Service                | 10.0.4.1263    |
| Zebra Device manager              | 13.1.0.25      |
| Zebra Volume Control              | 3.0.0.91       |
| Android System WebView and Chrome | 119.0.6045.193 |

### Revision History






| Rev | Description     | Date              |
|-----|-----------------|-------------------|
| 1.0 | Initial release | February 19, 2024 |

Read More About This Manual & Download PDF:

### Documents / Resources

|   |   |
|---|---|
|  | <p><a href="#">ZEBRA ET40S Zebra Android 11</a> [pdf] User Manual<br/>ET40S Zebra Android 11, ET40S, Zebra Android 11, Android 11</p> |
|---|---|

### References

-  [Welcome | Zebra Developer Portal](#)
-  [Zebra | TechDocs](#)
-  [Android Security and Update Bulletins | Android Open Source Project](#)
-  [About MX - TechDocs](#)
-  [ET40 and ET45 Tablet Support & Downloads | Zebra](#)
- [User Manual](#)

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