

Release Notes - Zebra MC33x Android Oreo 02-13-15.00-OG-U08-STD Release (GMS)

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Description

This release contains the following software package which is compatible with MC33x products. This full release is cumulative and includes all previous fixes that are part of earlier patch releases.

Component Contents

Package Name	Package Description
FPU_ATLAS_02-13-15.00-OG-U08-STD.zip	Full Package Update includes all components.

Component Version Info

Component / Description	Version
Product Build Number	02-13-15.00-OG-U08-STD
Android Version	8.1.0
Linux Kernel	3.10.84

Android SDK Level	27
Platform	QC8956
Bluetooth Stack	4.1
Flash Size	16/32GB
RAM Size	2/4GB
Scanning	20.0.38.0
DataWedge	7.0.4
EMDK	7.0.0.2000
MXMF / OSX	MXMF : 8.2.1.0 / OSX : QCT.81.8.6_3
WiFi	FUSION_BA_2_11.0.0.024_O
	Radio: BA_2_11.0.0.017_O
	Application: BA_2_11.0.0.012_O
	Middleware: BA_2_11.0.0.015_O
	Firmware: 7.35.205.8_20181002
NFC	NFC_NCIHALx_AR003C.8.3.0_O_OpnSrc
PTT	3.1.39
Touch FW	26
RxLogger	5.4.12.0
Bluetooth Pairing Utility	3.14
Zebra Data Service	3.4.0.1180
Files	8.1.0
Stage Now	3.1.1.1019
Battery Swap	1.0
User Guide	1.0
ZVC	2.1.0.12
Battery Manger	1.4.2
ActiveEdge	2.5.16
WorryFree WiFi Analyzer	3.2.18
Device Central	1.0.6.0
Zebra Software License Manager	3.1.1
Audio	0.8.0.0
Diagnostic Tool	1.16.0.1
Finger Print	Zebra/MC33/MC33:8.1.0/02-13-15.00-OG-U08-STD/309:user/release-keys Zebra/MC33/MC33C:8.1.0/02-13-15.00-OG-U08-STD/309:user/release-keys
Security Patch Level	Feb 01 2019
GMS Version	8.1_201809

1. FPU v08 Updates:

❖ FPU_ATLAS_02-13-15.00-OG-U08-STD.zip (GMS)

1. Android Security Patch Level: February 1, 2019.

Use the link below to see the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

2. Updated below mentioned components: For more detail please refer

<http://techdocs.zebra.com>

- OSX - QCT.81.8.6_3
- WLAN
 - FUSION_BA_2_11.0.0.024_O
 - Radio: BA_2_11.0.0.017_O
 - Firmware: 7.35.205.8_20181002
- PTT - 3.1.39
- ZVC - 2.1.0.12
- WorryFree WiFi Analyzer - 3.2.18

3. Fix for SPR 36336: MC330K-GE4HA4US - Will Not Boot Past Zebra Powered by Android Splash Screen After Oreo Update.

Installation Requirements

Download both Full Package. Read specific notes on OS-Upgrade and OS-Downgrade scenarios for more details.

Specific notes on OS-Upgrade Scenarios:

1. OS Upgrade behavior for normal upgrade is same as in previous releases. Data persistence is maintained for the normal upgrade scenarios.

Following are the examples of the normal upgrade scenarios:

- a. Nougat (GMS) -> Oreo (GMS)
- b. Nougat (NGMS) -> Oreo (NGMS)
- c. Oreo (GMS) -> Oreo (GMS)
- d. Oreo (NGMS) -> Oreo (NGMS)

2. When user performs **cross upgrade** from Nougat to Oreo, **system performs automatic enterprise reset.**

Following are the examples of **cross upgrade** scenarios where automatic enterprise reset is performed by the system:

- a. Nougat (GMS) -> Oreo (NGMS)
- b. Nougat (NGMS) -> Oreo (GMS)

Specific notes on OS-Downgrade Scenarios:

OS downgrade behavior has changed in Oreo. Automatic enterprise data reset is performed when the system detects OS downgrade operation.

Following are the examples of OS downgrade operations:

- a) Oreo (GMS/NGMS) -> Nougat (GMS/NGMS)
- b) Downgrading to lower level patch versions within Oreo

General notes:

There is a new feature “**Data reset screen**” introduced in Android Oreo to handle error scenarios while updating OS. This data reset screen is triggered when the system encounters error situations like continuous system service crash or any application crash during the OS update process.

The data reset screen prompts user to select one of the following options

- a) “Try again”
- b) “Factory Reset”

Select option (a) “Try again” to continue the OS update process. Do not select option (b) “Factory Reset”, as it will erase the user data.

Installation Instructions

Using ADB Sideload

The installation instructions assume you have ADB installed on your PC (the adb drivers etc..) and your MC3300 has developer options enabled and USB debugging ON. Instructions on HOW TO enable ADB is also captured in the user guide.

1. Connect the MC33x to the PC using the USB data cable or through the cradle.
2. You may need to pull down the top menu and if you see “USB for charging”, touch it and then change it to “File transfers”.
3. Open Command Prompt, run “*adb devices*” and check if you can see the device’s serial number... If yes, proceed... if not, you will need to get the PC set up with the proper drivers or install an External SD Card.
4. You may also get a pop up on your PC (Win 7) that you will be connected as a Portable Media Player... this can be ignored.

❖ Download Image

- a) FPU_ATLAS_02-13-15.00-OG-U08-STD.zip listed above in content section
5. Entering Recovery Mode
 - a. Choice 1: In Command Prompt, type “*adb reboot recovery*” and click enter.
 - b. Choice 2:
 - Reboot the device and keep the GUN (grip) trigger held
 - When Zebra Technologies logo appears on the screen release the trigger
6. Your MC33x will reboot and put you on the Android Recovery screen.
7. If applying update via sideload Method
 - a. Use the Volume + and – to highlight, “Apply update from ADB” and press the Power key to select it for applying OS upgrade package
8. If applying update via External SD card
 - a. Use the Volume + and – to highlight “Apply update from SD card” and press the Power Key to select it
 - b. Use the Volume + and – to highlight package FPU_ATLAS_02-13-15.00-OG-U08-STD.zip and press the Power Key to select it.
 - c. Go to Step 10 once above steps are completed
9. With your Command Prompt open in the Host machine, type “*adb sideload*” command and add a space and then drag and drop the FPU_ATLAS_02-13-15.00-OG-U08-STD.zip file on to it and click enter.
 - a. Your PC screen will show files being installed and a little blue horizontal progress bar

on your device will show status... and after about 6~ minutes (could be 10+ minutes if installing
GMS) it should be done and you should be back at the Android Recovery screen.

10. *"Reboot system now"* is highlighted. Press the Power Key to Reboot.
11. At the Home Screen, we need to verify that the BSP upgrade took place and set the Date & Time.
 - a. Go to "Settings" and scroll down to "About phone" and look at the "Build number".
It should start with "02-13-15.00-OG-U08-STD release keys". Now you are on the correct BSP.
12. Now you are all set to use your MC33x.

Using External SD Card

1. Plug the MC3300 into the USB & Charging Cable and then the Cable to the PC. If you have a Cradle with USB connectivity, connect it now.
2. You may need to pull down the top menu and if you see "USB for charging", touch it and then change it to "File transfers".
3. Download FPU_ATLAS_02-13-15.00-OG-U08-STD.zip file and Reset Files (Optional) and drag & drop the files on External SD card.
4. Entering Recovery Mode
 - a. Reset and hold GUN (grip) trigger
 - b. When Zebra Technologies logo appears on the screen, release the PTT Key
5. Your MC3300 will reboot and put you on the Android Recovery screen.
6. Applying update via External SD card
 - a. Use the Volume + and – to highlight select option to "Apply update from SD card" and press the Power Key to select it for applying a OS upgrade package.
Note: If you want to apply a downgrade package, select option "Apply downgrade from SD card".
 - b. Use the Volume + and – to highlight package to be installed (FPU_ATLAS_02-13-15.00-OG-U08-STD.zip) and press the Power Key to select it.
 - c. Repeat above steps for all mandatory packages
7. *"Reboot system now"* is highlighted. Press the Power Key to Reboot.
8. Device reboots and you see Zebra on top and POWERED BY android at the bottom and after about 1 minute will transition to the MC3300 Touch Computer splash screen with 5 dancing white dots at bottom... it will stay at this screen for a little over another minute (could be another 7+ minutes if installing GMS) and then you are at the Factory "Welcome" screen.
9. If you installed a GMS BSP, you will need to complete the process by setting up Wi-Fi and Email accounts and such. If on AOSP (non-GMS), there is no process to follow.

10. At the Home Screen, we need to verify that the BSP upgrade took place and set the Date & Time.
 - a. Go to “Settings” and scroll down to “About phone” and look at the “Build number”. It should start with “02-13-15.00-OG-U08-STD”. Now you are on the correct BSP.
 - b. Setting the Date and Time. If you associate to a WLAN AP, do so now, as it should automatically set the time and date... the only thing left is to set the time zone. Go to “Settings” and scroll to and select “Date & time”. Scroll down to and select “Select time zone”, and scroll down to and select the appropriate time zone and you are done.

11. Now you are all set to use your MC3300.

Device Compatibility

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

Device Part Number	Operating System	Device Part Number	Operating System
MC330M-RL4SG2RW	Android N,O	MC330M-GI3HG2US	Android N,O
MC330M-RL2SG2RW	Android N,O	MC330M-GI2HG2US	Android N,O
MC330M-RL3SG2US	Android N,O	MC330K-SE4HG3US	Android N,O
MC330M-RL2SG2US	Android N,O	MC330K-SE3HG3US	Android N,O
MC330M-SL2HG2RW	Android N,O	MC330K-GL4HG3US	Android N,O
MC330M-RL3SG2RW	Android N,O	MC330K-SE2HG3US	Android N,O
MC330M-GL3HG2RW	Android N,O	MC330K-GL4HG4US	Android N,O
MC330M-GI3HG2RW	Android N,O	MC330K-GI3HG3US	Android N,O
MC330M-SL3HG2RW	Android N,O	MC330K-SG3HG4RW	Android N,O
MC330M-RL3HG2RW	Android N,O	MC330K-SG2HG4RW	Android N,O
MC330M-SL4HG2US	Android N,O	MC330K-GE4HG3US	Android N,O
MC330M-SL3HG2US	Android N,O	MC330K-GE3HG3US	Android N,O
MC330M-RL4SG2US	Android N,O	MC330K-GE2HG3US	Android N,O
MC330M-RL3HG2US	Android N,O	MC330K-SG4HG4US	Android N,O
MC330K-RL3SG3RW	Android N,O	MC330K-SG3HG4US	Android N,O
MC330M-SN3HG2RW	Android N,O	MC330K-SG2HG4US	Android N,O
MC330M-SI4HG2RW	Android N,O	MC330K-GE4HG4US	Android N,O
MC330M-SI3HG2RW	Android N,O	MC330K-GE2HG4US	Android N,O
MC330M-SI2HG2RW	Android N,O	MC330K-GI3HG3IN	Android N,O
MC330M-SI4HG2US	Android N,O	MC330M-RL4SG2EA	Android N,O
MC330K-GL4HG3RW	Android N,O	MC330M-RL2SG2EA	Android N,O
MC330K-GI4HG4RW	Android N,O	MC330M-SL2HG2EA	Android N,O
MC330K-GI4HG3RW	Android N,O	MC330M-RL3SG2EA	Android N,O
MC330M-SN4HG2US	Android N,O	MC330M-GL3HG2EA	Android N,O

MC330M-SI3HG2US	Android N,O	MC330M-GL3HG2EA	Android N,O
MC330K-RL3HG3RW	Android N,O	MC330M-GI3HG2EA	Android N,O
MC330M-GL4HG2RW	Android N,O	MC330M-SL3HG2EA	Android N,O
MC330M-GL2HG2RW	Android N,O	MC330M-RL3HG2EA	Android N,O
MC330M-GI4HG2RW	Android N,O	MC330K-RL3SG3EA	Android N,O
MC330M-GI4HG2IN	Android N,O	MC330M-SN3HG2EA	Android N,O
MC330M-GI3HG2IN	Android N,O	MC330M-SI4HG2EA	Android N,O
MC330M-GI2HG2RW	Android N,O	MC330M-SI3HG2EA	Android N,O
MC330K-SL4HG3RW	Android N,O	MC330M-SI2HG2EA	Android N,O
MC330K-SL2HG3RW	Android N,O	MC330K-GL4HG3EA	Android N,O
MC330K-RL4HG3RW	Android N,O	MC330K-GI4HG4EA	Android N,O
MC330K-RL4HG3US	Android N,O	MC330K-GI4HG3EA	Android N,O
MC330K-SI3HG3RW	Android N,O	MC330K-RL3HG3EA	Android N,O
MC330K-SN4HG3RW	Android N,O	MC330M-GL4HG2EA	Android N,O
MC330K-SN3HG3RW	Android N,O	MC330M-GL2HG2EA	Android N,O
MC330K-SI4HG3RW	Android N,O	MC330M-GI4HG2EA	Android N,O
MC330K-SI2HG3RW	Android N,O	MC330K-RL3HG3EA	Android N,O
MC330K-GL4HG3RW	Android N,O	MC330M-GL4HG2EA	Android N,O
MC330K-GL3HG4RW	Android N,O	MC330M-GL2HG2EA	Android N,O
MC330K-GL3HG3RW	Android N,O	MC330M-GI4HG2EA	Android N,O
MC330K-GL2HG3RW	Android N,O	MC330M-GI2HG2EA	Android N,O
MC330K-GI3HG4RW	Android N,O	MC330K-SL4HG3EA	Android N,O
MC330K-GI3HG3RW	Android N,O	MC330K-SL2HG3EA	Android N,O
MC330K-GE4HG4RW	Android N,O	MC330K-RL4HG3EA	Android N,O
MC330K-GE4HG3RW	Android N,O	MC330K-SI3HG3EA	Android N,O
MC330K-GE3HG3RW	Android N,O	MC330K-SN4HG3EA	Android N,O
MC330K-GE2HG4RW	Android N,O	MC330K-SN3HG3EA	Android N,O
MC330K-GE2HG3RW	Android N,O	MC330K-SI4HG3EA	Android N,O
MC330K-SI4HG3US	Android N,O	MC330K-SI2HG3EA	Android N,O
MC330K-SN4HG3US	Android N,O	MC330K-GL4HG3EA	Android N,O
MC330K-SI3HG3US	Android N,O	MC330K-GL3HG4EA	Android N,O
MC330K-RC3HG4RW	Android N,O	MC330K-GL3HG3EA	Android N,O
MC330K-RC4HG4RW	Android N,O	MC330K-GL2HG3EA	Android N,O
MC330K-RC4HG4US	Android N,O	MC330K-GI3HG4EA	Android N,O
MC330M-GI4HG2US	Android N,O	MC330K-GI3HG3EA	Android N,O
MC330K-RC3HG4US	Android N,O	MC330K-GE4HG4EA	Android N,O
MC330K-SB3HG4RW	Android N,O	MC330K-GE4HG3EA	Android N,O
MC330K-SP4HG4RW	Android N,O	MC330K-GE3HG3EA	Android N,O
MC330K-SP3HG4RW	Android N,O	MC330K-GE2HG4EA	Android N,O
MC330K-SB4HG4RW	Android N,O	MC330K-GE2HG3EA	Android N,O
MC330K-SB4HG4US	Android N,O	MC330K-RC3HG4EA	Android N,O
MC330K-SP4HG4US	Android N,O	MC330K-RC4HG4EA	Android N,O
MC330K-SP3HG4US	Android N,O	MC330K-SB3HG4EA	Android N,O

MC330K-SB3HG4US	Android N,O	MC330K-SP4HG4EA	Android N,O
MC330K-GI4HG4US	Android N,O	MC330K-SP3HG4EA	Android N,O
MC330K-GI4HG3US	Android N,O	MC330K-SB4HG4EA	Android N,O
MC330K-SE4HG3RW	Android N,O	MC330K-SE4HG3EA	Android N,O
MC330K-SE3HG3RW	Android N,O	MC330K-SE3HG3EA	Android N,O
MC330K-SE2HG3RW	Android N,O	MC330K-SE2HG3EA	Android N,O
MC330M-GL4HG2US	Android N,O	MC330K-SG3HG4EA	Android N,O
MC330M-GL3HG2US	Android N,O	MC330K-SG2HG4EA	Android N,O
MC330M-GL2HG2US	Android N,O	MC330M-SI3HG2IN	Android N,O

Known Issues and Limitations

1. For an existing Data wedge profile which is configured for Image barcode scanning, if the user updates the profile for SimulScan data capture and reboots the device, the decoder list is shown as blank under DataWedge settings. As a workaround, user needs to use two different Data wedge profiles one for Imager barcode scanning and other profile for Simul scan data capture.
2. Velocity application stops if user use the Android Recent button to close Velocity app. As a workaround, user can close the application from the velocity application client menu.
3. Ethernet shows Connected state when device is configured with Static IP and placed in multi-slot cradle without Ethernet cable.