
Release Notes TC8000 Kitkat MR2 Non-GMS

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Description

TC8000 Android Kitkat MR2 Maintenance Release 01-23257-K-02-00-00-MV **WITHOUT GMS**

Features Added/Supported

- Update Wavelink Velocity to version 1.2.0.2741
- Improved stability
- Updated touch controller firmware
- Added Android security patches up to and including July 2016
- Added audio improvements for VoIP clients such as Zebra Workforce Connect

Release Notes for Updated Components:

Android Security Patches

- Android security patches up to and including July 2016 were added.

Touch controller firmware

- Update the touch screen operation to more accurately distinguish touch and swipe events.

Wavelink Velocity version 1.2 New Features and Fixed Issues

- Macro support (eg. Auto log-in), activation on button – Key
- Support for non-US locales

- Keyboard height is now programmable via the Velocity Console
- Console – improved the main screen appearance
- JavaScript Scripting
- Oversized scanning support
- Support onKey events
- Keyboard API – hide and show the keyboard as desired
- Web – support web host applications with browser functionality
- Default zoom level

Scanner Framework version 6.11.03 New Features and Fixed Issues

- Fixed - Unable to decode certain UPCE1 barcodes.

VoIP Audio Improvements

- The TC8000 audio tuning was enhanced for better performance in VoIP applications.

VoIP Full Duplex Audio Mode

The TC8000 supports VoIP, full-duplex calls for all configurations and modes of operation indicated by 'X' in the below table. Examples of full-duplex VoIP applications are PTT Pro and Workforce Connect.

Audio Device Mode	SKU	Integrated Speaker	Integrated MIC	Headset Speaker	Headset MIC	BT Headset Speaker
Speaker-phone	All					
Headset	All			X	X	
BT Headset	All					X

NOTE: The TC8000 does not support speakerphone/handsfree operation for full-duplex applications.

VoIP Half-Duplex PTT Audio Mode

The TC8000 supports VoIP, half-duplex PTT calls for all configurations and modes of operation indicated by 'X' in the below table. An example of a half-duplex application is PTT Express.

Audio Device Mode	SKU	Integrated Speaker	Integrated MIC	Headset Speaker	Headset MIC	BT Headset Speaker
Speaker-phone	All	X	X			
Headset	All			X	X	
BT Headset	All					X

NOTE: The TC8000 does not support handset mode in Full-Duplex or Half-Duplex operation.

SPRs Fixed

- SPR 29582 - Unable to decode certain UPCE1 barcodes
- SPR 29135 - Signal strength is not reported when the screen goes off
- SPR 30704 – TC8000 shuts off when battery temp drops below zero C.
- SPR 29798 – Datawedge Intents - Scan data not received by web app
- SPR 30147 – Difficulty selecting menu options in Wavelink Velocity

Device Compatibility

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

Device	Operating System
TC80N0x, TC80NHx – All SKUs	Android 4.4.3

Component Contents

Component / Description	Version
Product Build Number	01-23257-K-02-00-00-MV
Android Version	4.4.3 Kitkat
Android security patch level	July 2016
Linux Kernel	3.4.0
a-boot	

Android SDK Level	19
Platform	Qualcomm - APQ8060A Pro
Bluetooth Stack	NA
Partition Table	NA
Flash Size	4 or 8GB
RAM Size	1GB
MSP Package	7.08.85 (Included for Airwatch support only)
Scanning	6.11.3
Datawedge	3.3.16
Handwriting Recognition	NA
Mx / OSX	MXMF: 4.4.34 / OSX_QCK_4.4-4
MMS	NA
WiFi	Fusion_QA_1.02.0.0.034
Mlog	v06.52 / Service v06.52
PTT Express	3.1.20
EMDK Service	4.0.4.0
SimulScan	2.5 SimulScanEngine 1.11.1
RxLogger	3.0.0.52
Touch FW	V0017
Zebra Volume Control	1.1.13
B2M	1.0.0.218
Bluetooth Pairing Utility	3.3
DataAnalytics	1.01.2107
File Browser	1.13
Stage Now	2.1.1.1425

App Gallery	2.1.2
Battery Swap	NA
Tech Docs	None
WWAN	NA
RIL	NA
TS.25	NA
WLAN FW	MAAAAANAZW1240301
GPS	NA
NFC	NA
Sensors (Accel, Gyro, Light, Prox)	NA
Camera	NA
MSR	NA
MobiControl	12.2.0. Build 23469
Wavelink Velocity	1.2.0.2741
Print Station	1.3
Tap and Pair	2.0
Zebra Utilities	2.0.5152

Installation Requirements

This Software can be used with compatible devices listed above.

IMPORTANT NOTE

- When downgrading the TC8000 from Lollipop to Kitkat, please follow the instructions listed in the TC8000 Lollipop release notice. It contains special instructions to properly perform the downgrade.
- Do not use the MR2 KK release to downgrade from Lollipop to Kitkat.

Installation Instructions

1. Attach the TC8000 to a PC using either the 2-Slot Cradle (CRD-TC8X-2SUCHG-01) or a USB Communication/Charging cable (CBL-TC8X-USBCHG-01). Review the TC8000 Integrator Guide for detailed instructions.
2. Download the Full Package Update from Zebra Support Central to your PC. The file name is TC8K0K300PUWW20000.zip
3. Copy the .zip file above from your PC to your TC8000's storage.
4. Alternatively, you can copy the update file to a micro-SD card. Review the TC8000 Integrator Guide for detailed instructions on installing the SD card in the TC8000.
5. Put the TC8000 into Recovery Mode using the following steps:
 - Hold the Power Key until "Reset" option appears, then release the power key
 - Tap the "Reset" option in the menu and then immediately hold the "Power key" and "Scan Key" until the Zebra boot screen is displayed.
6. Once on the Recovery Screen, scroll up/down using "Volume Keys" +/- to "Apply update from internal storage" and press the "Scan Key" to select
7. If installing from an SD card, select "Apply update from SD card."
8. Next, scroll up/down using "Volume Keys" +/- to the location where you copied the files and press the "Scan Key" to select the desired folder
9. Highlight the zip file you wish to install, and press the "Scan key" to select
10. Once the install completes, you will be back at the Recovery Mode screen.
11. If you wish to reset the TC8000 to factory settings, repeat the above process with the Factory or Enterprise reset package:
 - TC8K0K3F0RFFWW20000.zip (Factory Reset Package),
 - TC8K0K3E0REWW20000.zip (Enterprise Reset Package).
12. Once you finish installing the required files, you will be back at the Recovery Mode screen. Select "reboot system now" with the "Scan Key". The TC8000 will reboot, then you will see "Android is upgrading..." and then you will see the Android home screen.

Downloadable Software Included in this Release

Filename	Description
TC8K0K300PUWW20000.zip	TC8000 Android Kitkat Non-GMS Full system update OS package

TC8K0K3F0RFWW20000.zip	TC8000 Factory reset package
TC8K0K3E0REWW20000.zip	TC8000 Enterprise reset package

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