



WT6000 OPERATING SYSTEM BSP 11003 REV. A RELEASE NOTES

INTRODUCTION

Wearable computers give workers the handsfree mobility they need to boost productivity to a new level. But your workers find today's wearables uncomfortable — until now. Introducing the WT6000, the new Android wearable computer that sets a new standard for enterprise-class wearability. It's smaller and lighter than other wearables on the market. With the incredible new mounting system, the WT6000 fits comfortably on every worker, on any size arm. The larger touchscreen provides more real estate to display intuitive graphical Android applications. Integrated NFC allows workers to instantly taptopair with Zebra's Bluetooth ring scanner, Bluetooth headset and Bluetooth printers at the start every shift, making it easy to deploy a complete handsfree speech-directed solution. And the industrial rugged design delivers maximum uptime in your most demanding environments. The result? Maximum comfort. Maximum durability. Maximum workforce productivity. The WT6000 — putting the wearable in industrial wearable computing.

- Android Lollipop 5.1 operating system with powerful 1.0 GHz quadcore processor, providing more than enough performance for the most advanced supply chain applications.
- Prelicensed and loaded Alltouch Terminal Emulation (TE) and enterprise web browser for realtime, remote connection to business critical supply chain applications
- 3.2 inch capacitive touch screen provides ample room for both your application and intuitive virtual keyboards and enables input even when user is wearing gloves Three function buttons beneath the display for navigation in legacy TE apps
- 3350mAh lithium ion PowerPrecision+ battery pack provides full shift life and proactive health statistics
- NFC reader enables seamless taptopair functionality for supported Bluetooth accessories, such as RS6000 Bluetooth ring scanner, HS3100 Bluetooth headset and Bluetooth mobile printers.

DESCRIPTION

WT6000 Release **WITHOUT GMS**

Component Description and version

| Component / Description | Version |
|------------------------------|-------------|
| Product Build Number | 011003L00MV |
| Android Version | 5.1.1 |
| Android security patch level | 20160601 |

| | |
|-------------------------|--|
| Linux Kernel | 3.14.52 |
| uboot | 2015.04 (2016Jun06) |
| Android SDK Level | 22 |
| Platform | Freescale imx6 |
| Bluetooth Stack | Android 5.1.1 |
| Partition Table | NA |
| Flash Size | 4GB |
| RAM Size | 1GB |
| MSP Agent | 7.08.86 (Included for Airwatch support only) |
| Scanning | 16.0.21.1 |
| Datawedge | 5.0.1 |
| Handwriting Recognition | NA |
| Mx / OSX | MXMF: 5.2.1.0 / OSX: 51.5.2 |
| MMS | NA |
| WiFi | Fusion_BA_1.00.0.0.022 |
| Mlog | NA |
| PTT Express | NA |
| EMDK Service | 4.2.2.4 |
| SimulScan | NA |
| RxLogger | 4.0.0.57 |

| | |
|---------------------------|----------------------------|
| Touch FW | 21 |
| Zebra Volume Control | 1.1.21 |
| Battery Manager | 1.2 |
| B2M | 1.0.0.284 |
| Bluetooth Pairing Utility | 3.5 |
| DataAnalytics | 1.01.1490 |
| File Browser | 1.13 |
| Stage Now | 2.3.2.1006 |
| App Gallery | 2.2.1.2 |
| Battery Swap | NA |
| Tech Docs | None |
| WWAN | NA |
| RIL | NA |
| TS.25 | NA |
| WLAN FW | 7.35.205.6 FWID 01bd615f09 |
| GPS | NA |
| NFC | NFC_NCIHAL_AR3.2.0_L |
| Sensors (Accel, Gyro) | 3060105 |
| Sensors (Light) | 1 |
| 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 | NA |

Features Added/Supported

- Updated Mobility DNA components (EMDK, Scanner Framework, DataWedge, RxLogger)
- Battery Manager App

Included

- StageNow client
- B2M Elemez
- Data Analytics App Gallery
- SOTI MobiControl Stage
- Wavelink Velocity Terminal Emulation
- Zebra Printer Tap and Pair, Print station

Release Notes for Updated Components:

Wireless LAN (Fusion) version Fusion_BA_1.00.0.0.022 New Features and Fixed Issues

- Bands of Operation (2.4 & 5GHz)
- Internetworking IPv4 & IPv6 (stock Android support only) Standards (802.11a/b/g/n/d/h/i/ac)
- Fusion configuration GUI
- WLAN Logger
- Power Management
 - Legacy
 - WMM UAPSD
- Configuration database (encryption & persistence)
- Security
 - WPA/WPA2Personal, WPA/WPA2Enterprise
 - WEP/TKIP/AES encryptions
 - EAPTTLS (PAP/MSCHAP/MSCHAPv2), PEAPv0MSCHAPv2, PEAPv1 EAP-GTC, EAPTLS, EAPFAST, LEAP
- WW Regulatory
- Fast Roam (PMKID,CCKM,OKC, 802.11r)
- WFA Certifications
 - 802.11n
 - 802.11ac
 - WMMPS
- CCXv4
- Diagnostics & Logging

EMDK Service version 4.2.2.4 New Features and Fixed Issues

- Barcode Manager support for RS4000, RS6000
- Updated Barcode Manager APIs to add support for RS4000:
- List<ScannerInfo> getSupportedDevicesInfo()
 - Scanner getDevice(BarcodeManager.DeviceIdentifier deviceId)
 - Scanner getDevice(ScannerInfo scannerInfo)
 - BarcodeManager.ScannerConnectionListener.onConnectionChange(ScannerInfo scannerInfo, BarcodeManager.ConnectionState connectionState)
 - Added new enum value "PLUGGABLE_LASER1" to BarcodeManager.DeviceIdentifier.
 - Added new enum value "PLUGGABLE_SSI" to ScannerInfo.ConnectionType.
- Updated Barcode Manager APIs to add support for RS6000: Added scanner parameters to support WT6000 with RS6000
 - Added new parameters under scanParams: remoteDecodeHapticFeedback, decodeLEDFeedbackMode, decodeAudioFeedbackMode
- Added new Enums: DecodeLEDFeedbackMode, DecodeAudioFeedbackMode
Connection idle timeout value 0 is supported. Device will not get disconnected when set to 0
- Added support for Remote Scanning CSP Added the Notification Manager API:
 - RS6000 Beeper, LED, Vibrator support
 - External vibrator cable support

RxLogger version 4.0.0.57 New Features and Fixed Issues

- Logcat, Kernel log, ANR, Snapshot, Resources, Tombstone, TCP dump

App Gallery version 2.2.1.2 New Features and Fixed Issues

- WT6000 UI Support

Scanner Framework version 16.0.21.1 New Features and Fixed Issues

- Added scanner support for RS4000, RS6000, RS507 Bluetooth Only supports Lollipop for improved performance
- Added support for RS4000 wired hot swap between connectors
- Added support for "Audio Feedback" feature (Remote/Local/Both) for Bluetooth scanners. Added support for "BT Idle connection timeout" for Bluetooth scanners.
- Added support for "BT Disconnect on Exit" for Bluetooth scanners Add support for Illumination control parameter for RS6000 scanner Add support for Laser Aim – On/OFF control for RS6000 scanner Added support for optimized beep and software beep
- Added support for Notification Manager API (RS6000 Beeper, LED, Vibrator) Added support for Remote Scanning CSP
- Added support for RS6000 firmware download

Datawedge version 5.0.1 New Features and Fixed Issues

- This version onwards will support only the Lollipop. RS6000, RS4000 support
- Added pluggable serial SSI scanner connection/disconnection notification support
- Added an option under Keystroke output plugin to configure a character delay for multi byte character dispatching via keystrokes. Set default value to 0ms to improve the performance in the default behavior.
- IP Address field doesn't show any special characters (dot) on the edit text field

SPRs Fixed

NA

Known Issues



Zebra Volume Control is disabled by default. It can be enabled in settings by navigating to Apps>Disabled>ZebraVolumeControl. Press the "Enable" button. It can also be enabled via MX.

Exclusions:

- Planned for Future Release:
- Enterprise SIP PTT Express
- WorkForce Connect
- Audio StageNow provisioning NFC Unlock
- NFC Power Management SOTI and Airwatch certification
- DHCP Options (additional Zebra options) Sensor Value Adds
- Voice Enterprise / 802.11r / FT Access control management (ACM) WiFi Protected Setup (WPS)
- Wake on WLAN
- Greenfield and STBC support WiFi Direct
- 802.11w
- 802.11k
- Reconnect CFA
- WLAN Time sync from AP
- FIPS for WLAN/BT

Not supported:

- Simulscan
- USB Mass Storage
- MSP
- Google Multiuser Support

CONTENTS

| File | Description | Details |
|------------------------|---|--|
| WT6K0L300PUWW11003.zip | SFW: FullPkgUpd,AND,Lpop,v11003,RELEASE | Full Software Update |
| WT6K0L3E0REWW11003.zip | SFW: EntResetPkgUpd,AND,Lpop, RELEASE | Wipes all partitions/folders except Enterprise partition |
| WT6K0L3F0RFWW11003.zip | SFW: FacResetPkgUpd,AND,Lpop, RELEASE | Wipes all partitions/folders including |

| | | |
|--|--|----------------------|
| | | Enterprise partition |
|--|--|----------------------|

DEVICE COMPATIBILITY

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

| Device | Operating System |
|-------------------------|------------------|
| WT6000 All current SKUs | Android 5.5.1 |

INSTALLATION REQUIREMENTS

This Software can be used with compatible devices listed above.

There are no restrictions upgrading from previous releases.

INSTALLATION INSTRUCTIONS

1. Attach the USB cable to the WT6000 via cradle or charging cable, then attach the cable to the PC.
2. To update the WT6000 software, download the Full Package Update from Zebra Support Central to your PC. The file name is WT6K0L300PUWW11003.zip
3. Copy the .zip file above from your PC to your WT6000's Internal storage.
4. Put the WT6000 into Recovery Mode using the following steps:
 - Hold the "Power Key" until "Reboot" option appears and then release.
 - Tap "Reboot" button and then press "OK" and then immediately hold the "P1" Key until recovery mode is initiated. (Just hold it down the entire time (including the vibration)... do not let go until you get to Android system recovery screen).
5. Once on the Recovery Screen, scroll down using "P2" Key to "Apply update from emulated storage".
6. Press "P3" Key to select.
7. Once the install completes, you will be back at the Recovery Mode screen.
8. If you wish to reset the WT6000 to factory settings, repeat the above process with the Factory or Enterprise reset package:



- WT6K0L3F0RFFWW11003.zip (Factory Reset Package),
- WT6K0L3E0REWW11003.zip (Enterprise Reset Package).

9. Now, select “Reboot system now” with the “P3” Key, you will see it reboot, then you will see “Zebra Android Screen” and then you will hear it vibrate, then you will see the “WT6000 Wearable Terminal” screen with 5 white dots moving... it will stay at this screen for a little over 4 minutes and then you are at the Home Screen.

PART NUMBER AND RELEASE DATE

WT6K0L300PUWW11003

WT6K0L3E0REWW11003

WT6K0L3F0RFFWW11003

June 15 2016