



TC55 OPERATING SYSTEM GSM NON-GMS BSP 01.45.00 RELEASE NOTES

INTRODUCTION

TC55 is a ruggedized device based on Android for the enterprise market that blends the capabilities of a smart phone with those of a traditional enterprise PDA. TC55 has a number of enterprise-grade features, including a touch-screen that can be used with gloves, support for stylus input for signatures, barcode capture capability and IP67 rating for dust and water protection.

It also features Extensions (MX) to make the Android operating system more enterprise ready, with security enhancements and hooks for device management tools, and is designed for a longer lifecycle than the typical smart phone. TC55 is designed in response to customer feedback from using consumer-grade smart phones in the workplace, especially with the bring-your-own-device (BYOD) trend, where employees use their own choice of device for work.

With TC55 the workers can capture practically any type of data — from bar codes and signatures to photos, videos and NFC — improving on the job efficiency and customer service. The screen is optimized for Enterprise viewing, helping ensure the battery lasts a full shift. And with a drop, tumble and environmental sealing specification you can count on, it has the durability required to serve your field workers for years.

DESCRIPTION

1. JellyBean 4.1.2
2. Kernel v3.4.0
3. DataWedge v1.7.4
4. Scanning Framework 1.18.P03
5. MSP v7.08.67
6. MX 3.2.2-6
7. WiFi/BT FW M8960AAAAANAZW1040010
8. RIL 1.0.14
9. Modem 20015326.25

CONTENTS

1. T55N0JB0VRUEN14500.zip – TC55 OS Recovery Update package
2. T55N0JB0VAUEN14500.apf– TC55 OS Update package file for deployment using MSP



DEVICE COMPATIBILITY

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

Device P/N	Operating System
TC55BH-J011EE	JellyBean 4.1.2
TC55BH-J011EE-NS	
TC55BH-J011ES	
TC55BH-J011ES-NS	
TC55BH-JC11EE	
TC55BH-JC11EE-NS	
TC55BH-JC11ES	
TC55BH-JC11ES-NS	

INSTALLATION REQUIREMENTS

This SW is intended for the TC55 device

INSTALLATION INSTRUCTIONS

- OS Recovery Update
 - Connect the USB cable from your PC to the device and enable USB mass storage mode on the device.
 - On your PC you should see an internal and external USB mass storage drive (SD card) appears in the File Explore and copy the recovery update zip file to any storage.
 - Press and hold on the device the Power button, Scan/Action button and Vol+ until the screen is turned OFF
 - Release the Power and Scan/Action buttons and continue to hold Vol+ button
 - The device should enter to Recovery update mode
 - Release Vol+.
 - Click on Vol+ or Vol- to navigate and select appropriated storage
 - Click on on Scan/Action button to select the option
 - Click on Vol+ or Vol- to navigate to the recovery update zip file



- Click on on Scan/Action button to select the recovery update zip file
Device will automatically reboot and will be ready to use.
2. MSP OS package update
- Please refer Mobility Service Platform deployment guide for instruction.

NOTES

Known issues, Tips and Workarounds

Description	Notes/Recovery
Image update in recovery mode using FullPackageUpdate.zip automatically reboots the device (114339)	This is normal behavior.
<ul style="list-style-type: none"> • Charging may fail on the first attempt (rarely) the LED will blink red quickly to indicate this (114388) • Connecting a unit with a dead battery to a charger (rarely) does not turn on (115212) 	To recover, reinsert the charger.
Charging a deeply-discharged battery will cause the LED to blink red slowly... this is normal and can last up to 8 minutes until the normal charging green LED is seen (114428)	This is normal behavior.
Scanner/camera does not enable after restore of Datawedge (113726)	To recover, select a Datawedge profile after the
Unable to delete contents of physical SD card using SOTI (113663)	<p>To workaround, here are two methods to wipe the</p> <ul style="list-style-type: none"> • Automated remote: create a policy to tell SOTI SD card • Manual remote: remote control to the device a SD card
Audio streaming using a browser stops when the back button is pressed and restarts when some another video file is played from SD card and stopped (114513)	To workaround, when using audio streaming in a stop or pause before pressing the back button.
USB printing on a ZebraMZ220 doesn't	This printer is not supported by Android.



work (100574)	
Using the SMS shortcut feature of the phone call log to create an SMS message will fail if the number is not in the contact list.	To workaround, add the number to your contact
After inserting a T-mobile SIM (rarely) data service cannot be obtained (115307)	To recover, turn Airplane Mode On/Off. Note: this is a T-mobile network issue.
For a mixed deployment comprising broadcast and hidden SSID's, the device cannot connect to a hidden SSID if the profile was added manually by selecting a broadcast SSID listed in "WiFi" Settings Page.(114289)	To workaround this problem, there are two solutions: 1. Manually add the profile using the "Add network" (+) in "WiFi" Settings Page) 2. To configure programmatically, use the wifiConfiguration class to create a profile with the SSID field parameter set to true. Here is a code snippet: <pre>import android.net.wifi.WifiConfiguration; WifiConfiguration configuration = new WifiConfiguration(); configuration.isHiddenSSID = true;</pre>

PART NUMBER AND RELEASE DATE

[T55N0JB0VRUEN14500](#)
[T55N0JB0VAUEN14500](#)
[October 21, 2013](#)