

Software Release Notes

CN51 OS v1.33

Android™ - 4.2.2 (Jelly Bean)

Overview

This is an OS refresh release of Android 4.2.2 (Jelly Bean) that combines enhancements and bug fixes implemented since 1.30.05.81 and 1.30.06.81 release for the CN51 mobile computer.

Supported Hardware

All CN51 configurations delivered with Android 4.2.2, Android 4.1.1

Version numbers

	1.32 Release
Build number(s)	1.30.05.89 1.30.06.89
Android version	4.2.2
Baseband version	03.001
Battery Swap	1.0
BatteryInfo	1.0
Bug Reporter	1.0.3
Hardware Verify	1.0
Carrier Selection	1.7.0
Configuration Service	1.20.00.94
Print Service	1.20.00.181
Scan Demo	1.30.02.0021
Scanners	1.30.02.0021
ScanNGo	1.10.0.00.55

CN51 Android Release 1.33 New Features

1. Added Google patches to protect against Stagefright 1.0 vulnerability.
2. Resolved TLS keystore Issue
3. Eliminated bad audio in cell phone call on UMTS

CN51 Android Release 1.32 New Features

4. Added support for Bluetooth Low Energy
5. Added keypad re-mapping via XML file
6. Added application that controls the Keypad Backlight (enable/disable)
7. Added display of /system/etc/updates info to user to enable confirmation of software versions
8. Implemented support for AZERTY keypad
9. Implemented enhancements to software to provide call back features to Home, Back, Power buttons.
10. Updated branding in bootloader and boot animation screens to display Honeywell logo
11. Added Proxy Settings for Ethernet
12. Added battery serial number and manufacturing date to BatteryInfo app.
13. Lower left side button triggers the scanner and wakes the CN51 up from suspend mode
14. Improved reliability of Ethernet/Wifi switching

CN51 Android Release 1.31 New Features

1. Fix issue where devices hang on boot after factory reset.

CN51 Android Release 1.30 New Features

1. Upgraded to Android 4.2.2 from 4.1.1
2. This version comes with Google GMS Certification. This includes the Google Play™ store app and other Google Services.
3. Introduction of WLAN (802.11 abgn supported radio) only CN51 configurations.
4. Introduction of “No camera” CN51 configurations.
5. Wi-Fi and CCX Certifications.
6. Improved connection and roaming support for non-Cisco WLAN AP infrastructure.
7. OpenSSL Security Library fix for the Heartbleed issue.

CN51 Android Procedures

Android OS Update via System Menus

Update will be available as a download from Intermec.com

1. Copy the software update file to the internal storage, or to an installed microSD card. The update file can also be copied to a microSD card and then inserted into the CN51.
2. Start the Settings app, and tap “About phone” > “System updates”.
3. Tap the file name and then tap “OK”. The update begins and may take several minutes. When the update is complete, the computer will restart.

Factory Reset Instructions

1. Open the Settings menu and select “Backup & reset” > “Factory data Reset”.
2. Tap “Reset phone”. A confirming message appears, reminding you that you cannot reverse this action.
3. Tap “Erase everything”. The computer restarts and all user data, files, and downloaded apps are erased.

Additional Information

The CN51 handheld computer manual and downloads are located at:

www.intermec.com | Products | Computers | Handheld Computers | CN51

Support Assistance

For product assistance or to report an issue/observation, contact Technical Support by calling 1-800-755-5505 then option 4, 2. Outside North America, contact your normal support persons and they will enter a Knowledge Central case. If you would like to submit an online case, follow this link: <http://intermec.custhelp.com/app/ask> If you don't have an account, one can be created via the link on the right hand side.

Intermec USB Driver

This driver is needed to be able to USB Tether, Android Debug Bridge (ADB), and use the device as an MTP device (this enables file exploring from a XP/7 computer). Visit <http://www.intermec.com/support/downloads/> to get the released version. It is also delivered in the Intermec Developer Libraries.

For more information about ADB, visit: <http://developer.android.com/tools/help/adb.html>.

For more information about USB Tethering, please see the latest CN51 Android User Guide. Available at: <http://www.intermec.com/support/downloads/>

Application Support

Printing SDK v1.0

Available by Intermec Developer Libraries or at <http://www.intermec.com/support/downloads/>

Data Collection SDK v1.0

Available by Intermec Developer Libraries or at <http://www.intermec.com/support/downloads/>

ScanNGo Barcode Generator

Visit <http://www.intermec.com/support/downloads/> to get the released version.

Intermec Developer Libraries

The Intermec SDKs are available through the Android SDK Manager.

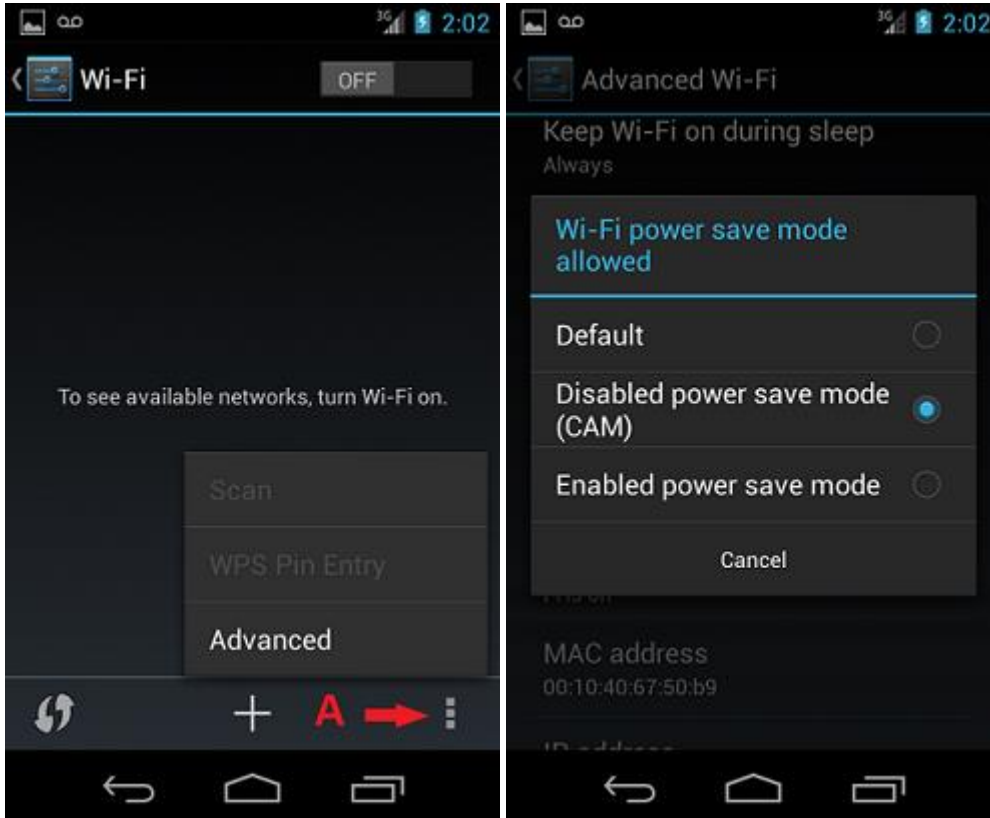
1. Download and install the Android SDK
2. Open the Android SDK Manager
3. Navigate to "Tools" > "User Defined Sites" > "New..."
4. Enter the following URL: **<http://sdk.android.intermec.com:60093/sdk/addon.xml>**
5. Click "OK", and then close the Add-on Sites menu.
6. Navigate to the Extras Folder, and expand it.
7. Click the checkbox next to the desired SDKs and then click Install.
8. The Intermec SDKs will be downloaded to the Android SDK folder extras directory.

Best Practices

1) When using the camera in a custom application it is important to use the “setDisplayOrientation” method provided by the Android SDK. Please see following link for more details.

[http://developer.android.com/reference/android/hardware/Camera.html#setDisplayOrientation\(int\)](http://developer.android.com/reference/android/hardware/Camera.html#setDisplayOrientation(int))

2) For even better roaming support on non-Cisco infrastructure, Disable power save mode (CAM). This can be done by opening the Wi-Fi menus, clicking advanced settings (A), and setting “Wi-Fi power save mode allowed” to “Disabled”.



3) Computers with XP operating system will need Media Player 10 and the Intermec USB driver to connect to a CN51 Android device.

4) Manually reboot the device after the Sprint OMADM Activation process completes. The data connection may not function without a reboot.

Version History

Version	Date Available
1.30.05.89 – WWAN Build	November 2015
1.30.06.89 – No-WWAN Build	November 2015
1.30.05.81 – WWAN Build	July 2015
1.30.06.81 – No-WWAN Build	July 2015
1.30.05.23a – WWAN Build	November 2014
1.30.06.23a – No-WWAN Build	November 2014
1.30.05.23 – WWAN Build	July 2014
1.30.06.23 – No-WWAN Build	July 2014
1.00.01.98 – WWAN Build	December 2013