

APK Installation and user guide for D51 rev1

Purpose:

The APK "SensorTools.apk" is to calibrate Proximity Sensor and Accelerometer.

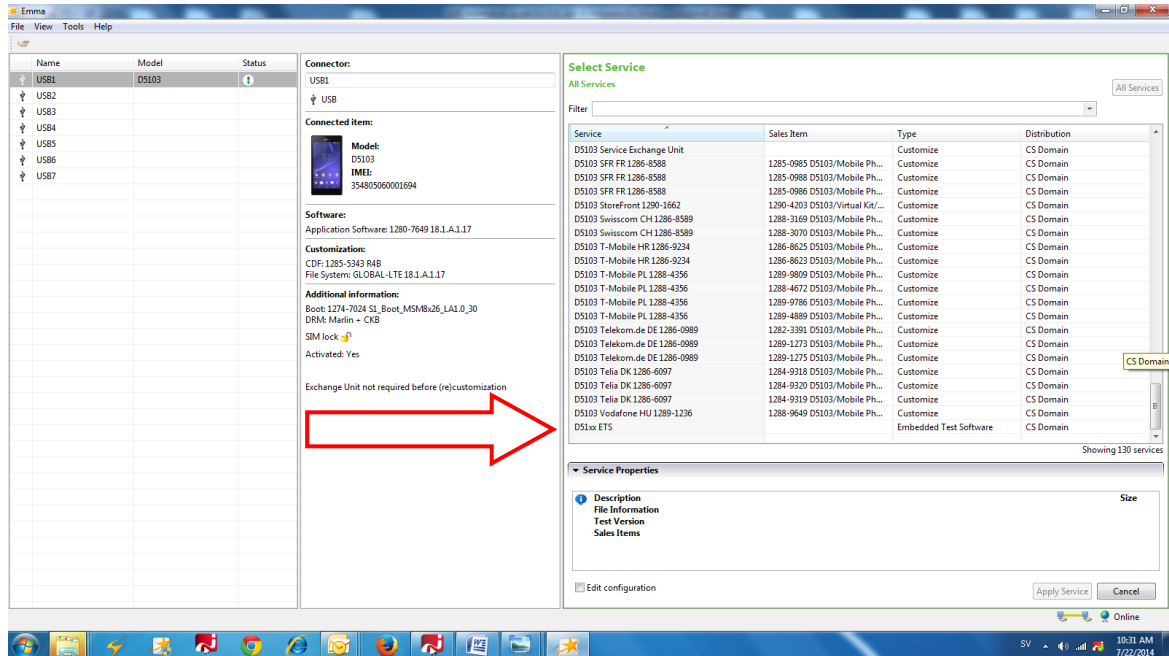
This calibration is needed if main PBA or Front cover is replaced.

There are 5 chapters in this guide.

- 1. Flash phone with special software.**
- 2. USB driver installation.**
- 3. How to install D51 calibration APK.**
- 4. How to calibrate.**
- 5. Flash phone with customize software.**

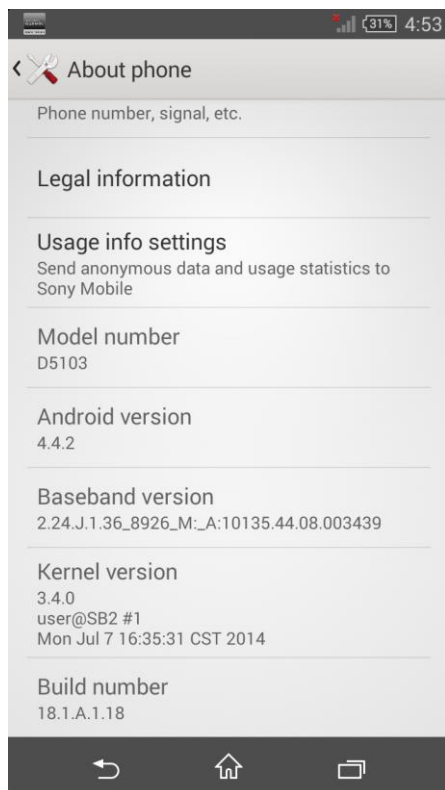
1. Flash phone with special software.

To be able to perform calibration, D51xx phones needs to be flashed with Special phone software “D51xx ETS” from Emma.

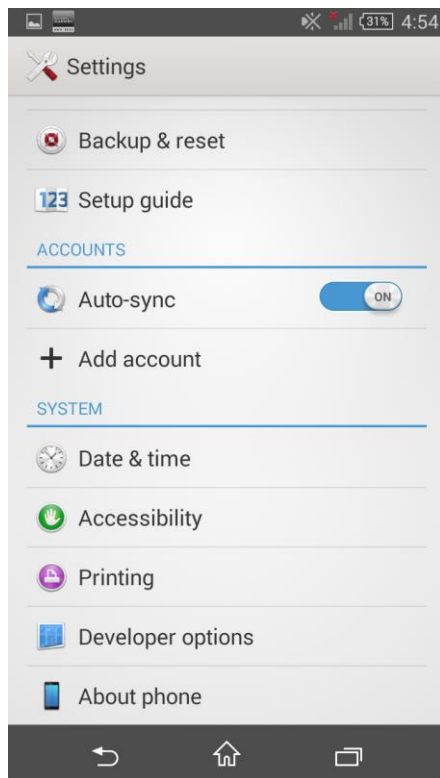


After flash start phone.

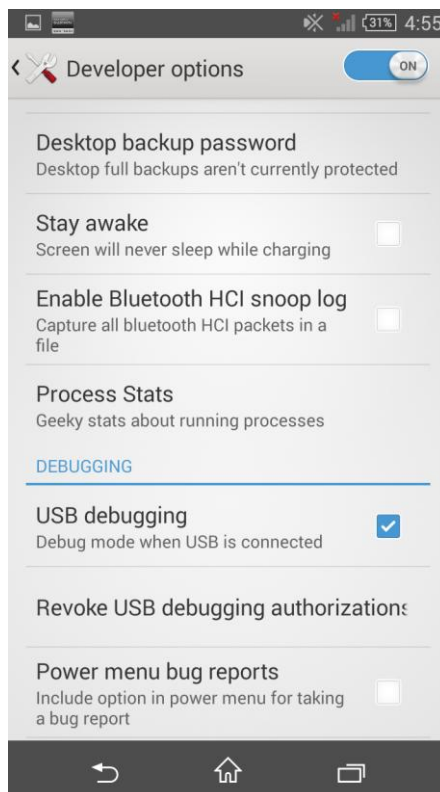
- ✧ Before installation, please go to device and press menu key → “Settings” → “About phone” hit “Build number” 7 times.



“Developer options” menu item will be showed in “Settings” page.



Enable "USB" debugging



2. USB driver installation:

- Since the APK need to be installed by ADB command, please install USB driver first.
- This is only needed once.

Open USB driver install from package.



Double click [Install ADB drivers.bat](#) to install ADB driver.

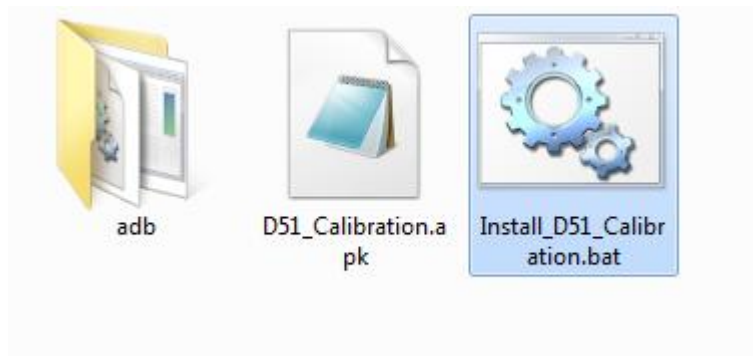


3. How to install D51 calibration APK.

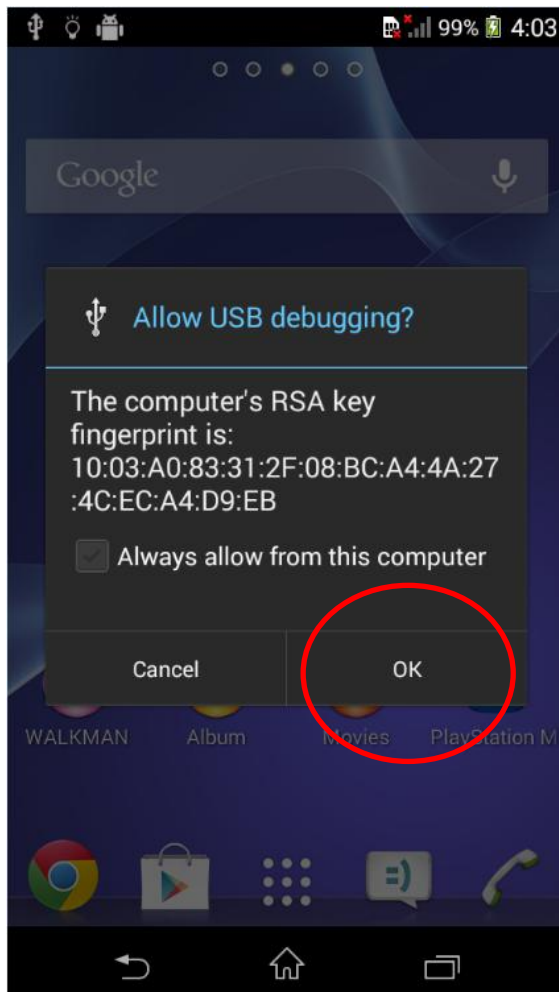
Prepare a PC and connect to device with USB cable and **wait** for USB driver installs.
Open D51 Calibration APK folder.



Double click [Install_D51_calibration.bat](#) to install calibration Apk.



Important: Allow USB debugging on phone



Below screenshot should be shown in PC:

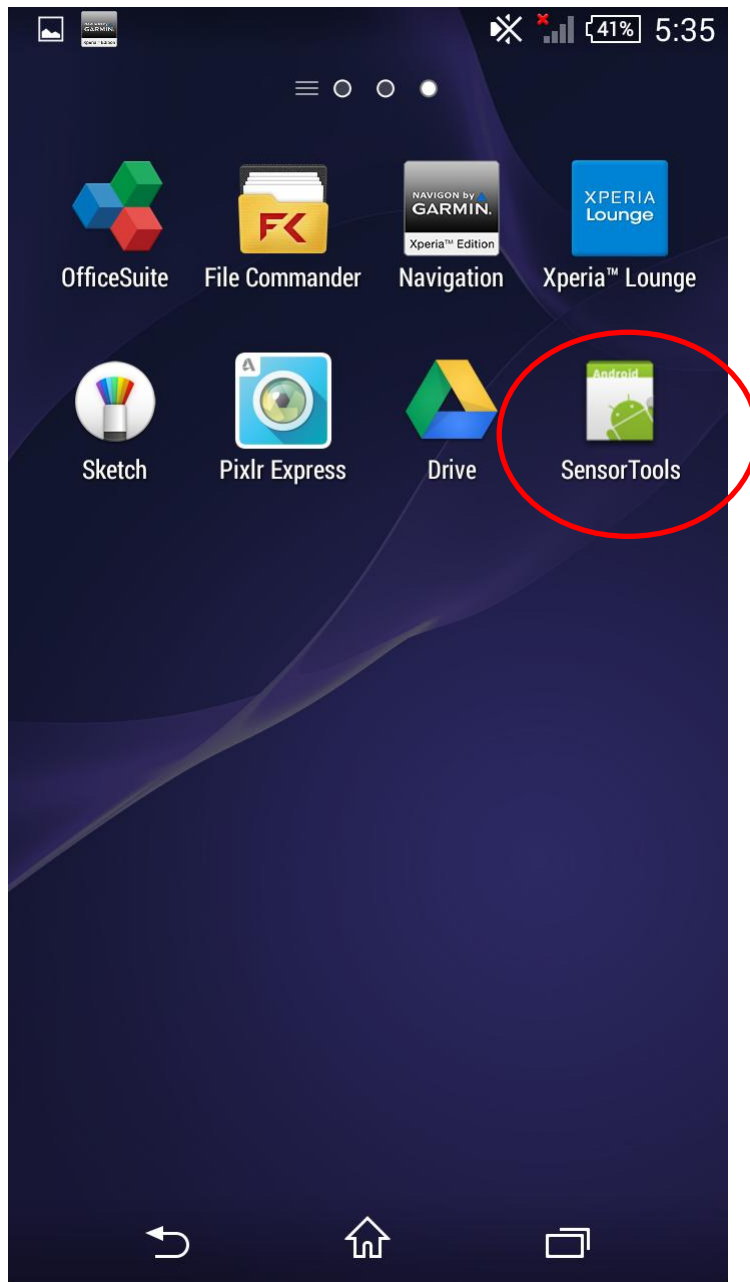
A screenshot of a Windows command prompt window. The title bar reads 'C:\WINDOWS\system32\cmd.exe'. The command prompt shows the following commands and output:
C:\Users\23049357\Desktop\Sony D51 Calibration Apk\D51 Calibration APK>"C:\Users\23049357\Desktop\Sony D51 Calibration Apk\D51 Calibration APK"\adb\adb wait-for-devices
C:\Users\23049357\Desktop\Sony D51 Calibration Apk\D51 Calibration APK>"C:\Users\23049357\Desktop\Sony D51 Calibration Apk\D51 Calibration APK"\adb\adb install "D51_Calibration.apk"
2388 KB/s (24464 bytes in 0.010s)
pkg: /data/local/tmp/D51_Calibration.apk
Success
C:\Users\23049357\Desktop\Sony D51 Calibration Apk\D51 Calibration APK>pause
Press any key to continue . . .
The word 'Success' is circled in red.

If **Success**, the APK are installed.

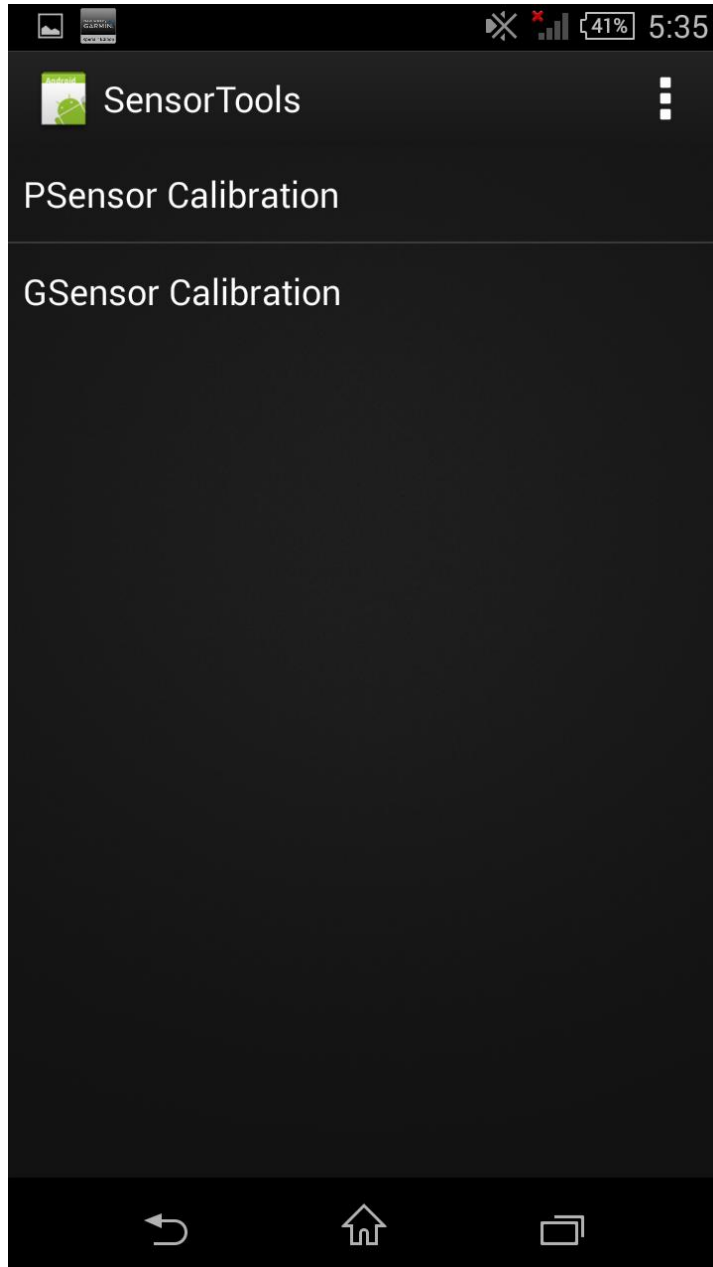
Unplug USB cable

The USB connection will interfere with calibration.

Select “[SensorTools](#)” icon to enter calibration menu.

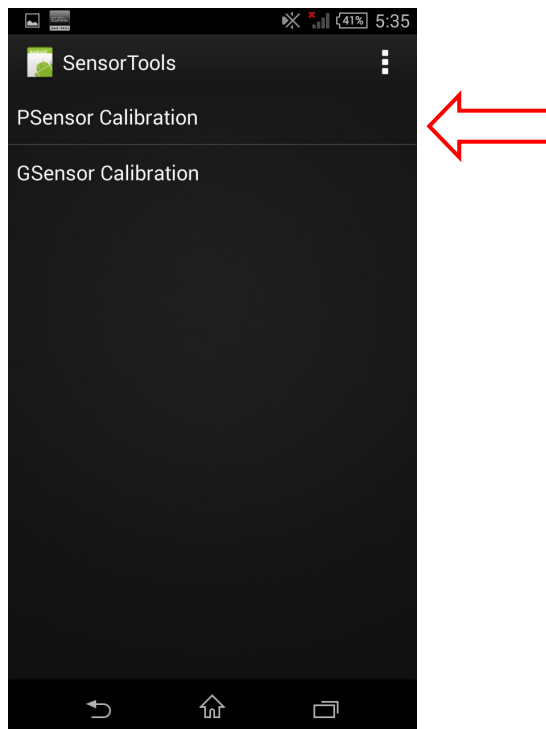


There would be 2 items presented for the calibration process.
PSensor Calibration and GSensor Calibration.



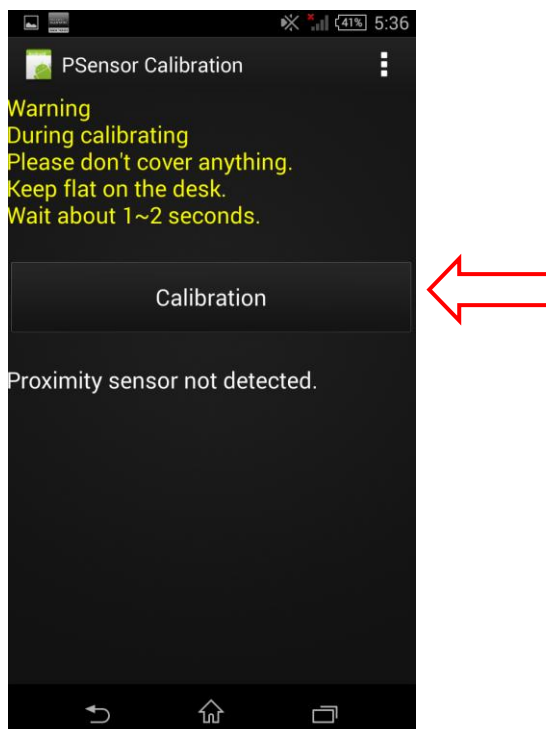
4. How to calibrate.

Press PSensor Calibration to enter Proximity calibration menu.

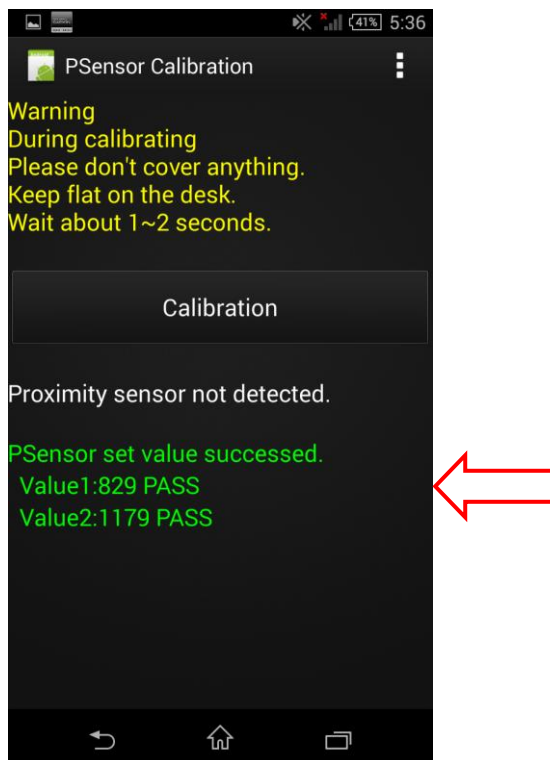


Press Calibration to start Proximity calibration.

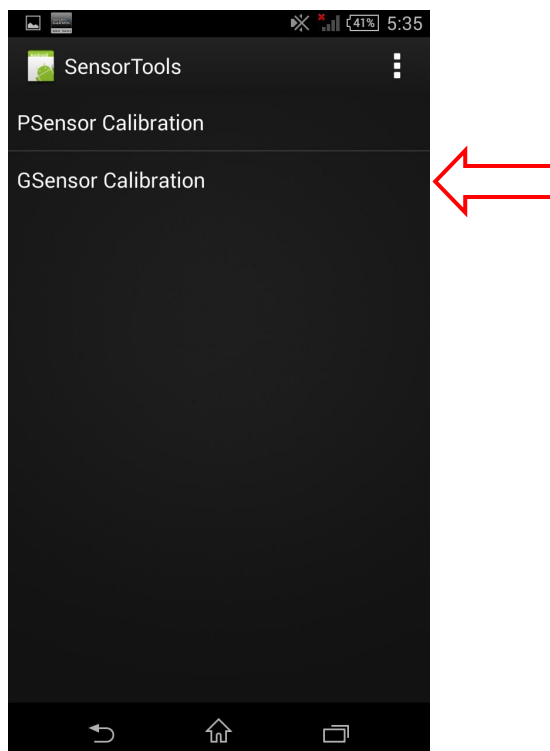
Important don't cover the phone



Now proximity Sensor is calibrated.



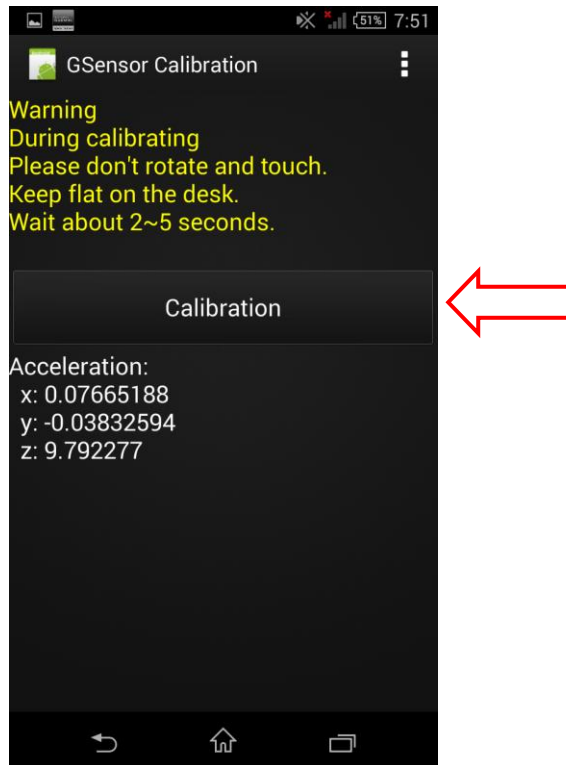
Press GSensor Calibration to enter Accelerometer calibration menu.



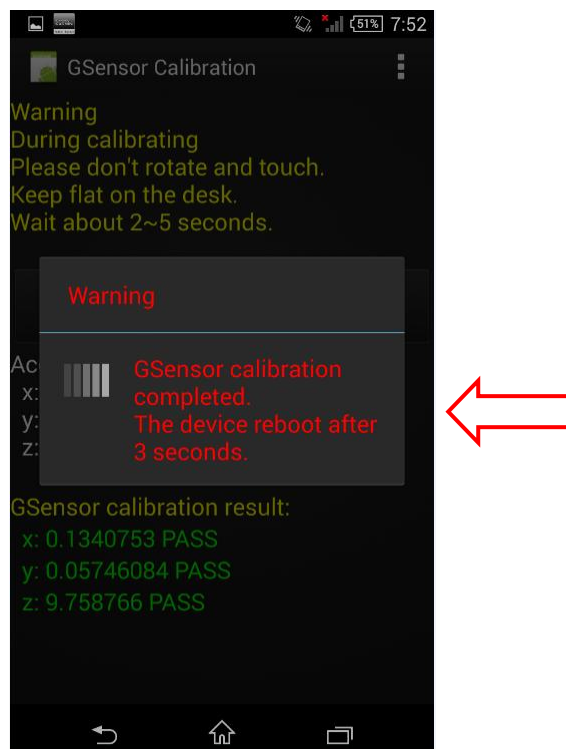
Press Calibration to start accelerometer calibration.

Important place phone on a stable surface adjusted in level

Don't touch or rotate phone during calibration



After accelerometer calibration the device will reboot.



5. Flash phone with customize software.

After reboot flash phone with correct customer software from Emma.

Please note all variants will be recognized as D5103, but after customize software, model will be changed to correct model.

