

Installation and user guide for C15_C16 Calibration APK rev2

Purpose:

The APK “Nanhu CS v1.apk” is to calibrate touch panel and G-Sensor.

This calibration is needed if main PBA or Touch panel are replaced.

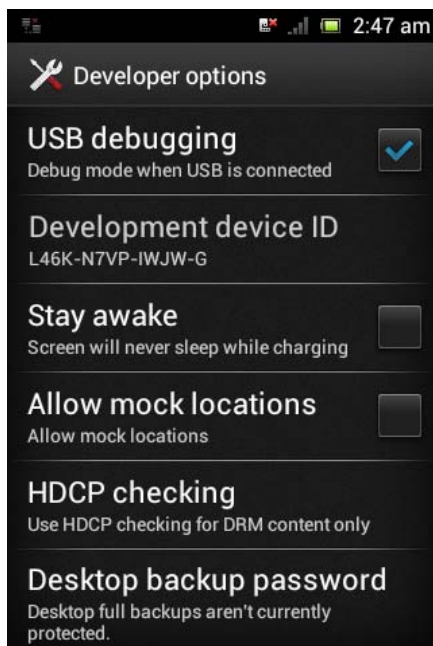
There are 5 chapters in this guide.

1. USB driver installation.
2. How to install C15_C16 calibration APK and calibrate.
3. How to test.
4. Factory data reset.
5. How to remove APK.

Caution:

Please read 2-d (item d in chapter 2) and 2-e (item e in chapter 2) carefully and follow the rules before you execute calibration, otherwise, it could make the calibration fail.

- ✧ Before installation, please go to device and press menu key → “Settings” → “Developer options” to enable “USB debugging”

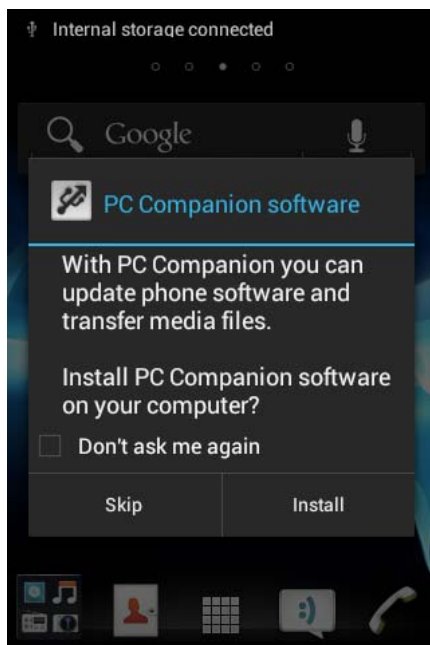


1. USB driver installation:

- Since the APK need to be installed by ADB command, please install USB driver first.
- There are 2 ways to install USB driver:
 - a. Via USB driver(google_usb_driver_r4): Installation guide is in below file



- b. Via PC companion: When plugging USB cable, there is pop up window shown up in the device, tap "install" for installation



2. How to install C15_C16 calibration APK and calibrate.

- a. Prepare a PC and connect to device with USB cable and wait for USB driver installs.
- b. Open C15_C16 Calibration APK folder.



- c. Double click [Install_C15_C16 calibration.bat](#) to install calibration Apk.



Below screenshot should be shown in PC:

```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\23049357\Desktop\C15_C16 calibration\C15_C16 Calibrati
on APK>adb\adb devices
List of devices attached
9e296ade    device

C:\Documents and Settings\23049357\Desktop\C15_C16 calibration\C15_C16 Calibrati
on APK>adb\adb install C15_C16_Calibration.apk
1409 KB/s (22547 bytes in 0.015s)
pkg: /data/local/tmp/C15_C16_Calibration.apk
Success

C:\Documents and Settings\23049357\Desktop\C15_C16 calibration\C15_C16 Calibrati
on APK>pause
Press any key to continue . . .
```

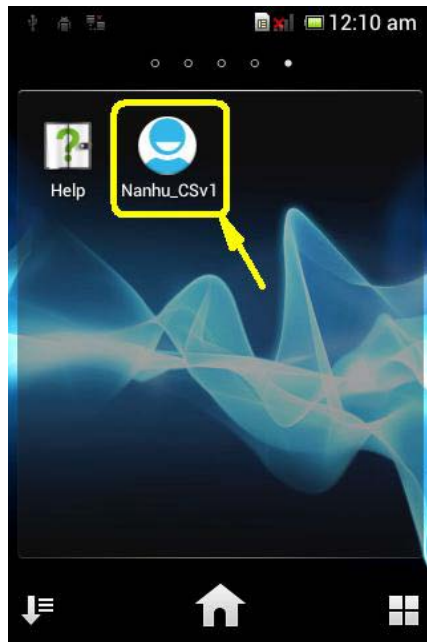
If **Success**, the APK are installed.

d. **Unplug USB cable**

The most important step, please remember to unplug USB cable before you execute the application. The USB connection will interfere with calibration.

e. Select “**Nanhu_CSv1**” icon to let the device execute auto calibration.

- Please keep flat on the wood-made desk before calibration.
- Don't touch or rotate the phone during calibrating.



f. Touch calibration is ongoing, don't touch the screen or put anything on the phone.



g. Touch Calibration Success or Fail.

If fail, please re-calibrate until success Touch calibration (max 3 times).

If not Success then replace Touch Panel or Main PBA




h. G-Sensor calibration is ongoing, don't touch the phone and please keep phone flat on the wood-made desk.




i. G-sensor Calibration Success or Fail.

If fail, please re-calibrate until Success G-sensor Calibration (max 3 times).

If not Success then replace Main PBA




**G-sensor Calibration
Success !**




**G-sensor Calibration
Fail !!!**


j. Do not remove battery, please press power key to restart phone.



**DO NOT REMOVE
BATTERY!!! Please
restart phone !**


- If Main PBA are replaced then, Power off phone and execute C15 and C16 G-Sensor fix in EMMA to save calibration data in memory.**

Connector:
 USB2
 USB

Connected item:

Model:
 C1605
IMEI:
 3555570500000082

Software:
 Application Software: 1267-9536 11.1.A.0.53

Customization:
 CDF: 1268-3026 R1D
 File System: WORLD-1 11.1.A.0.53

Additional information:
 Boot: 1264-2299 R10D030
 DRM: None
 SIM lock 
 Activated: Yes

Exchange Unit not required before (re)customization

Select Service
 Recent Services

Filter

Service	Sales Item	Type	Distribution
C15 and C16 G-Sensor fix		Other	CS Domain
C1605 Customized CE3 1273-1147	1273-0490	Customize	CS Domain

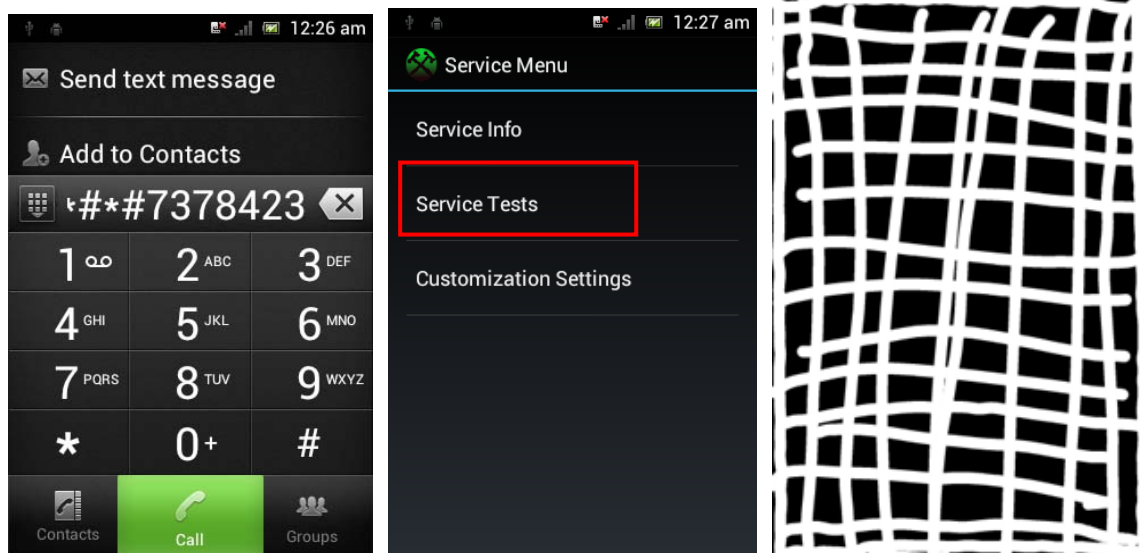
All Services

3. How to test

After finishing calibration, please press Home key and go to Dialer page.

Dial ***##7378423#*** to enter Service Menu.

Press “Service Tests” → “Touch screen” then draw the line to verify touch panel.



If touch test fail then do calibrate again.

4. Factory data reset

If Main PBA are replaced or front cover have change color, then please execute factory data reset. Don't touch and do not cover the phone in this reset, phone will calibrate Proximity sensor.


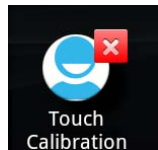
Press menu key → “Settings” → “Backup & reset” → “Factory data reset”
→ “Reset phone” → “Erase everything”



Restart phone: check that all functions are working.

5. How to remove the APK

If factory data reset are not performed, please go to application page.

Press  → , then uninstall page will be shown up. Press ok to uninstall.

✧ Please go to device and press menu key → “Settings” → “Developer options” to disable “USB debugging”