

## Tutorial for the installation GVSIG Mobil

### I. Introduction

This tutorial have been created to complement the official tutorial ([http://devel.gvsig.org/download/projects/gvsig-mobile/dists/0.3.0/docs/gvSIG\\_Mobile\\_Pilot-0.3-install-man-v1-en.pdf](http://devel.gvsig.org/download/projects/gvsig-mobile/dists/0.3.0/docs/gvSIG_Mobile_Pilot-0.3-install-man-v1-en.pdf)). You should read the official guide first for a more complete information. This tutorial have been created following the problems that we had during the installation of GvSig Mobil and Phoneme separated. Informations mentionned here are the fruit of our labor, experiences and some tricks come from users forums. Be aware that all information here are provided as unofficial informations and that you are the only person responsible for data loss or any future problems with your device.

Installation of GvSIG mobil can be done in three times. First, you have to install phoneme, a java virtual machine that running GvSig Mobil. Second, we will install GvSig Mobil. Configure GvSig mobil and the GPS of your mobile device. During the installation, you can operate your device from your computer by using mymobiler.exe.

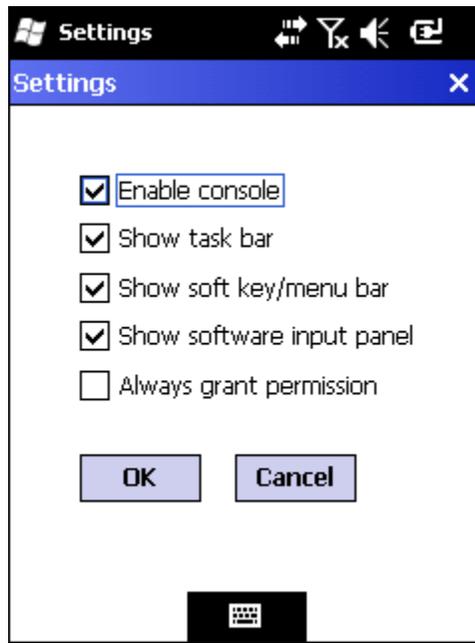
The present installation have been done on four devices; Juniper Archer, Juniper mesa, Ashtech mobil mapper 100, Ashtech mobil mapper 10. They all run Windows mobil 6 and higher. For more information on the device specification contact Juniper systems or Ashtech company.

### II. Phoneme installation

1. Download phoneME Advanced - Personal Profile on the [davy.preuveneers](http://davy.preuveneers.be) site. Here we use the phoneME Advanced - Personal Profile b168 rev20547 (2011-11-16) (**zip**). **Download zip** and extract it. Copy and paste the folder (phoneme) on the root of your mobile device.

<http://davy.preuveneers.be/phoneme/?q=node/33>

2. Open your mobile device and click on config.exe located in `phoneme\personal\bin\`. A window with setting of phoneme software will open. Select all cases except « always grant permission ». Our primary tests show more instability when « always grant permission » is ON.



## I. GvSig installation

1. Download the proper version of GvSig for your device. Consult the GvSIG mobil installation for more details on the several version. Here we have installed « GvSIG\_Mobile\_Pilot-0.3-WMX-forPhoneME.cab ». The cab files is an executable file that will install GvSig on your device.

2. Copy and paste the cab file on your modil device (ex. my documents).

3. Double-click on the cab. It will install GvSig on the root of your device.

4. Try GvSig mobil.

1. If the installation doesn't work look at the download version is the one for your device.

2. You can also check if you choosed the good version of phoneme.

5. In the best case (suitable installation of Phoneme), GvSIG will open without problems. If GvSig doesn't open you can check at the log file « mobile\_launch\_log.txt » in the gvSIGmobile folder of the mobile device. This folder will help you to validate that:

a) gvSIG main folder is \gvSIGMobile:

b) PhoneME have been install at the good place. (GvSIG look at 4 places, 2 on the root and two on the SD card)

c) Options of phoneme are okL

⑩ Writing options file phonemeopt.txt...

⑩ Composing launch parameters...

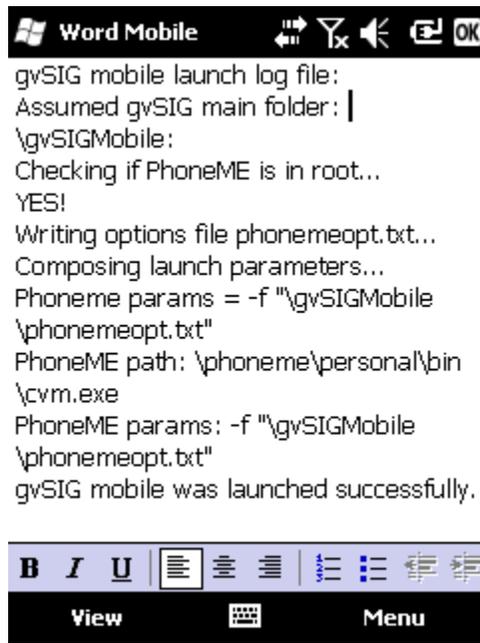
⑩ Phoneme params = -f "\gvSIGMobile\phonemeopt.txt"

⑩ PhoneME path: \phoneme\personal\bin\cvm.exe

⑩ PhoneME params: -f "\gvSIGMobile\phonemeopt.txt"

d) gvSIG mobile was launched successfully.

If everything works fine your log file should look like this :



gvSIG mobile launch log file:  
Assumed gvSIG main folder: \gvSIGMobile:  
Checking if PhoneME is in root...  
YES!  
Writing options file phonemeopt.txt...  
Composing launch parameters...  
Phoneme params = -f "\gvSIGMobile\phonemeopt.txt"  
PhoneME path: \phoneme\personal\bin\cvm.exe  
PhoneME params: -f "\gvSIGMobile\phonemeopt.txt"  
gvSIG mobile was launched successfully.

## I. Configuration of GPS in GvSig and Mobile Device

1. Open GPS setting of your Mobile device and look at the port use by the GPS on your device. Here the port is COM2 and band rate is 19200. Take this parameter in note. If your not sure about the port use by your GPS contact the reseller.



Port :

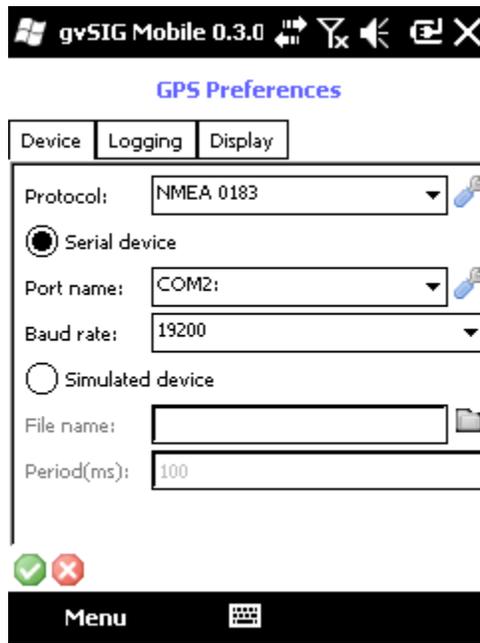
Vitesse transf. :



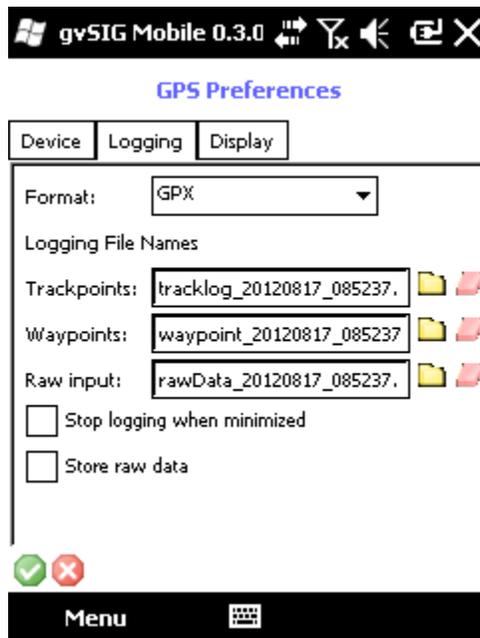
2. Open GvSIG and click on the GPS icon of the vertical bar. You will see a secondary bar (horizontal) appears. Click on the first button (GPS preferences).



3. In the Device tabs, you can fix the port name and the band rate. Add the port name (COM2) and the band rate (19200) note in the step guill-1.



4. By using the logging icon, you can fix the parameter use by GvSig mobil to save the trackpoints, the waypoints and the raw input data.



5. Click on the green icon to save this preferences.

6. Click on the connect Icon to start the gps. You should be able to use GvSig. For further usage please refer to the GvSig Mobil manual. Enjoy.

## II. Problems :

If your gps starting and GvSig crash, the COM port may not be good (look at your GPS configuration).

Also, be aware that « always grant permission » is OFF (step I-2). If you find any other problems please contact the GvSig forums

### **III. Notes :**

Our first test seems to show that you will need a bi-processor and a good memory to use GvSig. Be patient in your first use. If you're logging GPS data and try to do other things, like loading shapefile, it is possible that GvSig will lag a little bit during the process. Be aware that if your device suspend or if your screen saver is activated it can make crash GvSig.

### **IV. Comments :**

If you want to comment, suggest, or improve this tutorial contact [jean-daniel.sylvain@mrnf.gouv.qc.ca](mailto:jean-daniel.sylvain@mrnf.gouv.qc.ca) or [guillaume.drolet@mrnf.gouv.qc.ca](mailto:guillaume.drolet@mrnf.gouv.qc.ca)