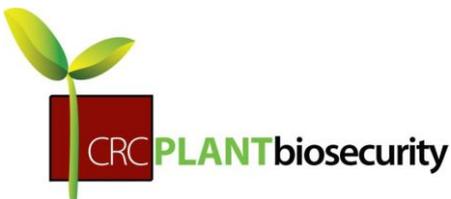


2009

# Urban Surveillance Database Deployment



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## First Deployment

### Distribution Folder

The Distribution Folder is used to deploy the forms/pictures on PDA, Database on PC and the synchronisation of the database from the PC to your PDA (creating the tables on PDA).

To run the Distribution files, double click on Setup.exe. It will install everything described above. The Access database will be copied by default in

C:\Documents and Settings\ngarel\My Documents\Dafwa\Database\Urban Surveillance Database.mdb

The path is specified in the file WCEODBC.INI into the Distribution Files folder.

Once the installation is over the runtime synchronisation will be copied in:

C:\Program Files\Visual CE\VICESYNC.EXE.

Double click on this file to start synchronising the data between your PDA and the database.

### What to install

Urban Surveillance Database works along different software in order to ensure the full functionality of the system. Here is the list of the applications running with the Urban Surveillance Database system:

- ActiveSync: It makes the synchronisation between the PDA with and the Windows XP operating system.
- GPS Proxy: This application runs in background. It first opens the GPS com port and sends all the data to a virtual Com port (that is used by Urban Surveillance Database). It gets a fix quickly and maintains it all time. To set up GPS proxy, please refer to "GPS Proxy settings".  
Note: GPS Proxy has to run in order to get a fix through Urban Surveillance Database.
- Google Maps: it allows you to localise your property or activity on a map via an Internet connexion.
- Visual CE tools: it allows you to backup/load or even expunge your tables.
- TscanCe: Tscan allows you to read a barcode from the barcode reader.
- MyMobile (Optional): This application allows to remote the screen's device on your PC. You do not need to install it but it is easier to navigate through the PDA on PC.  
N.B: need Active Sync installed first.

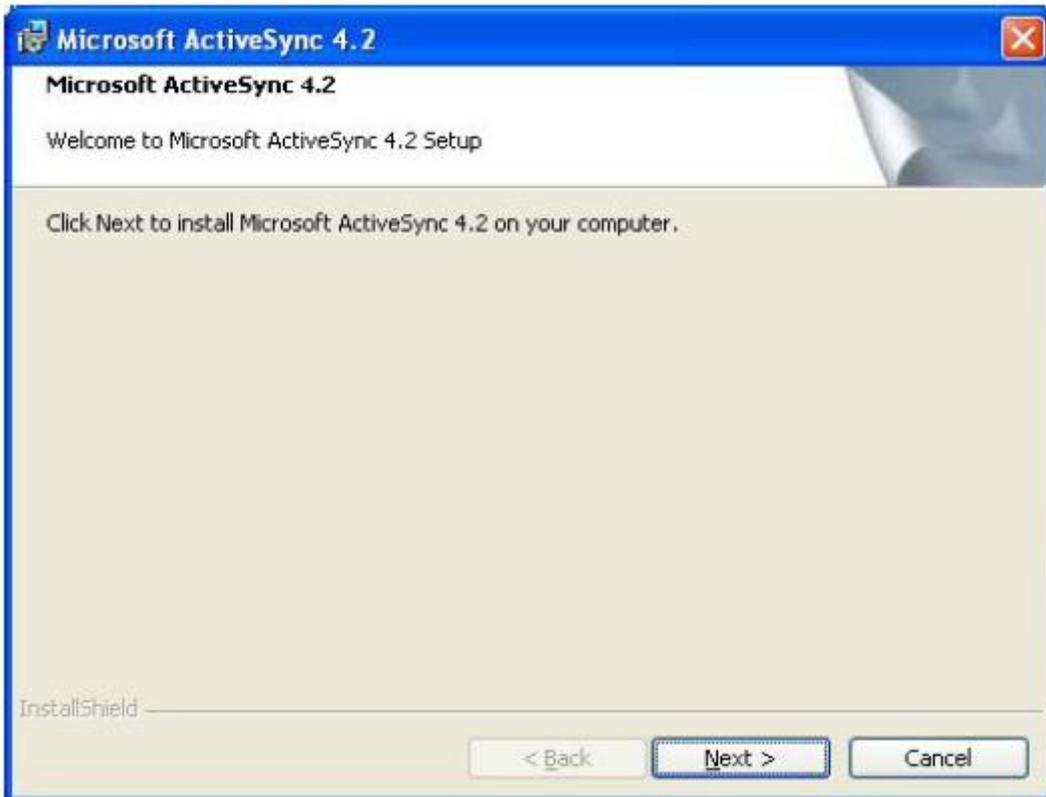
### How to Install

All the following applications are placed under the folder "Applications" in the Distribution Files folder.

## Active Sync

**Step 1.** Once you have downloaded ActiveSync double click the icon to install.

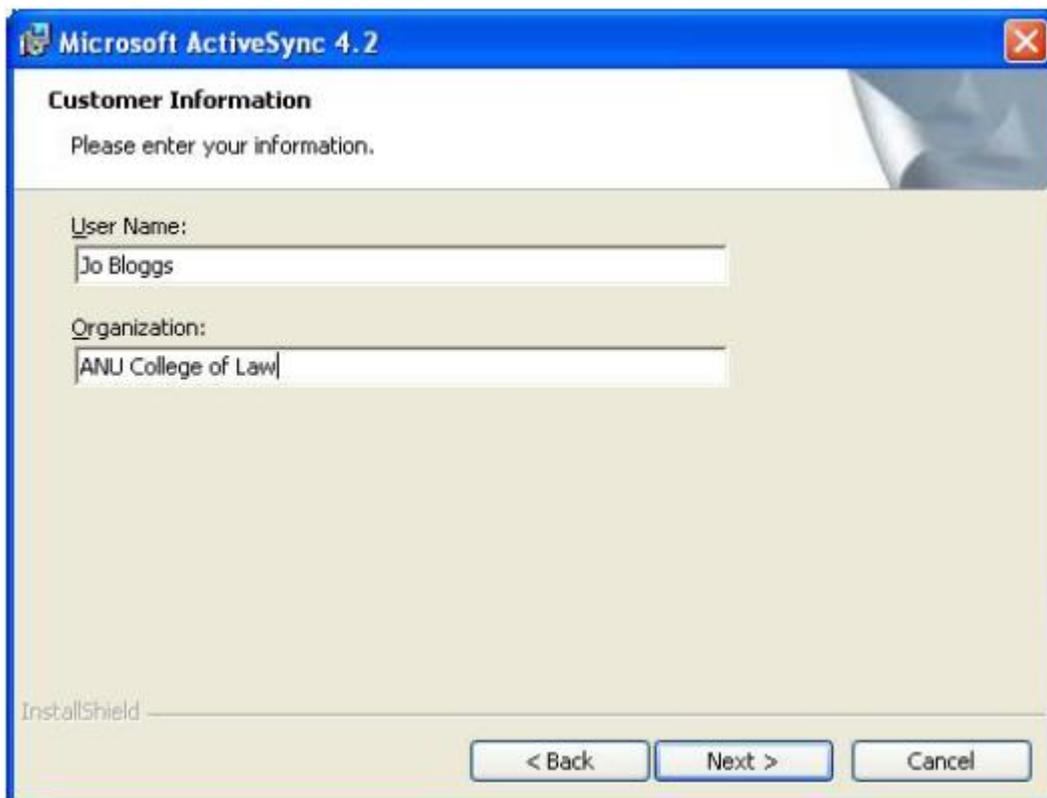
Click next to continue the install



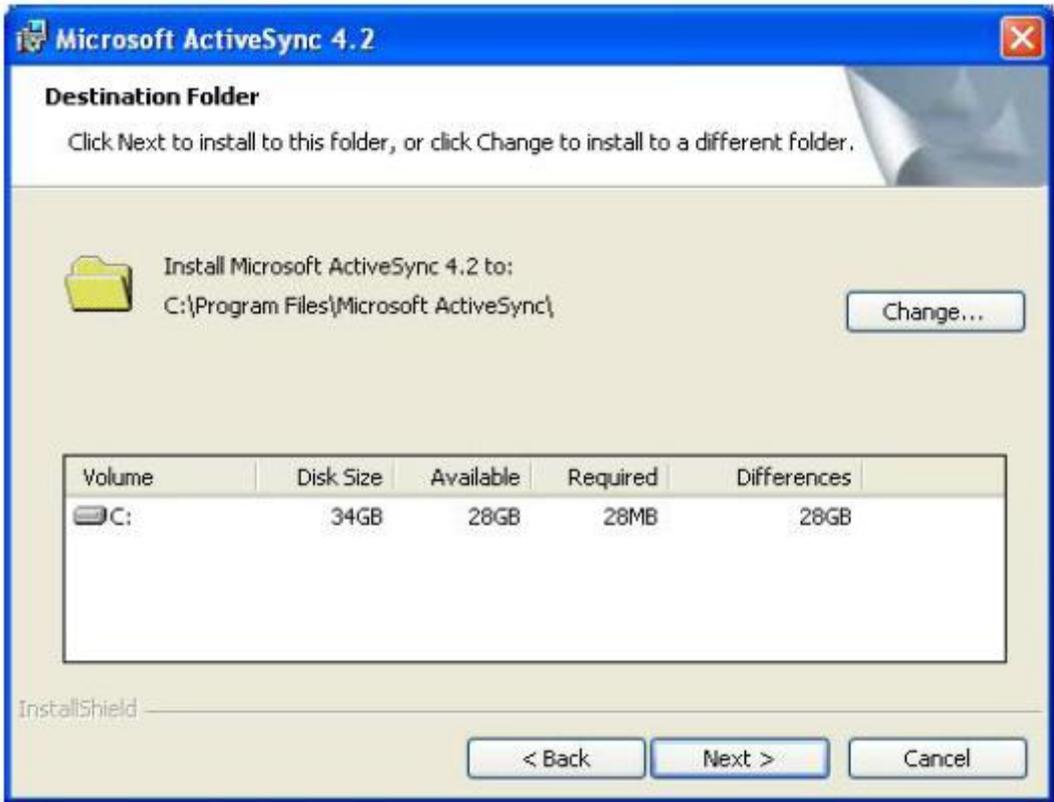
**Step 2.** Click the radio button next to *I accept the terms in the licence agreement* and click Next.



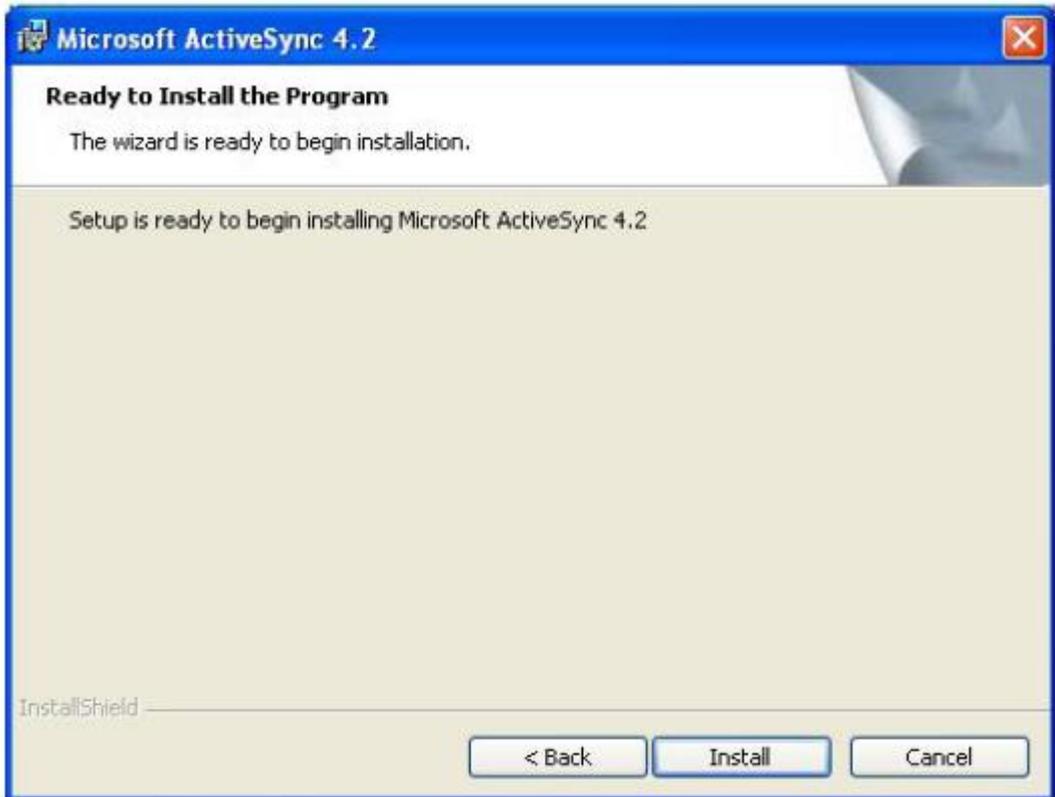
**Step 3.** Type your name and organisation details in the boxes on the Customer Information page and click Next



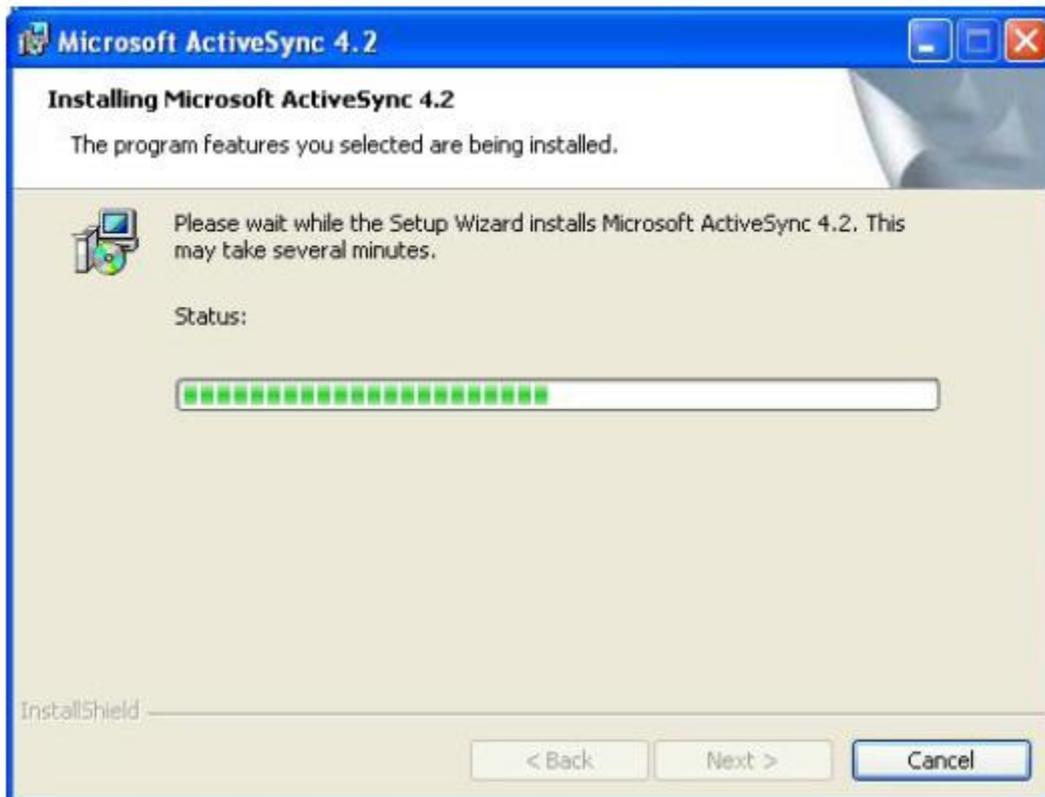
**Step 4.** Acknowledge the location where it will install Microsoft ActiveSync and click Next



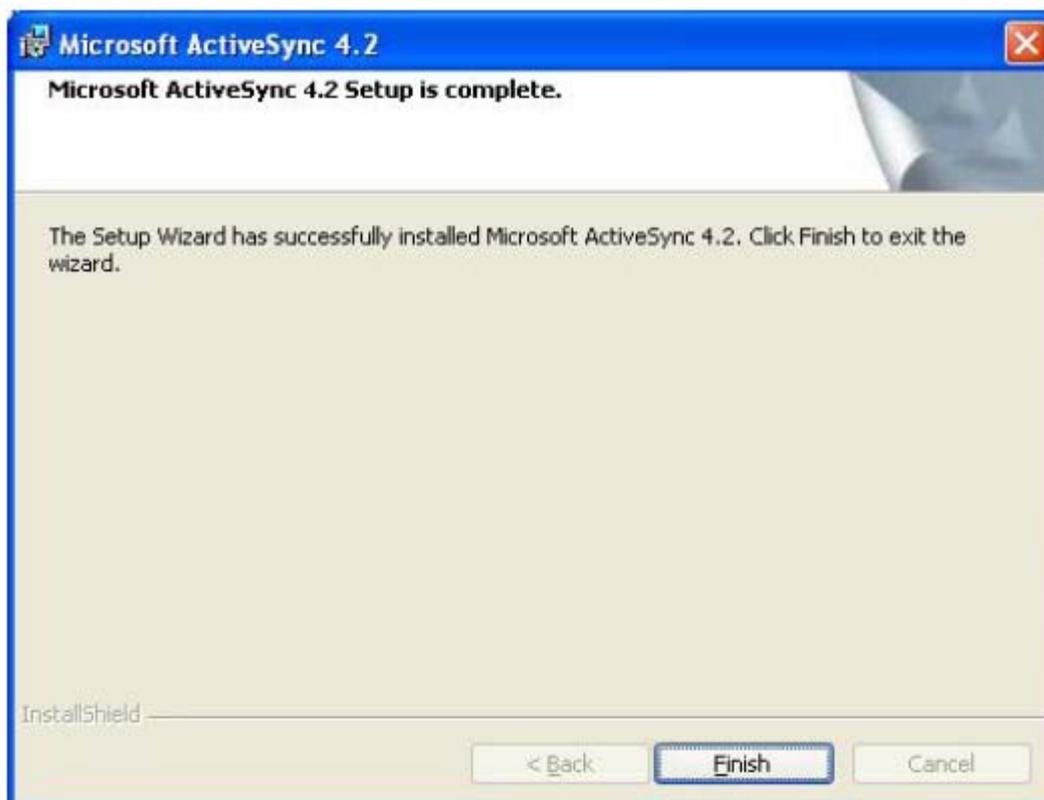
**Step 5.** Click next to begin installing Microsoft ActiveSync



Allow Microsoft ActiveSync to install



**Step 6.** Click Finish once ActiveSync has finished installing.

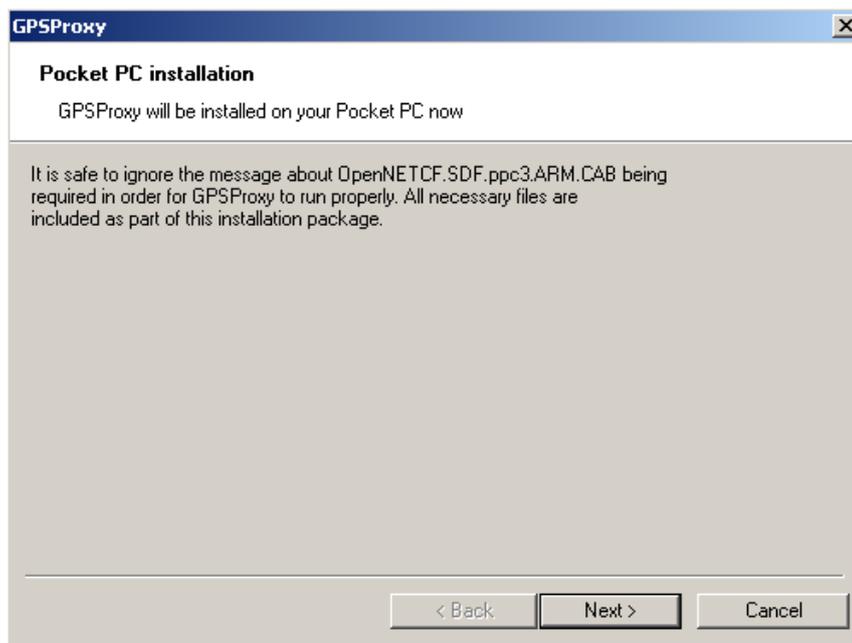


**Step 7.** You will be prompted to restart your machine to complete ActiveSync installation. Click Yes to restart your machine.



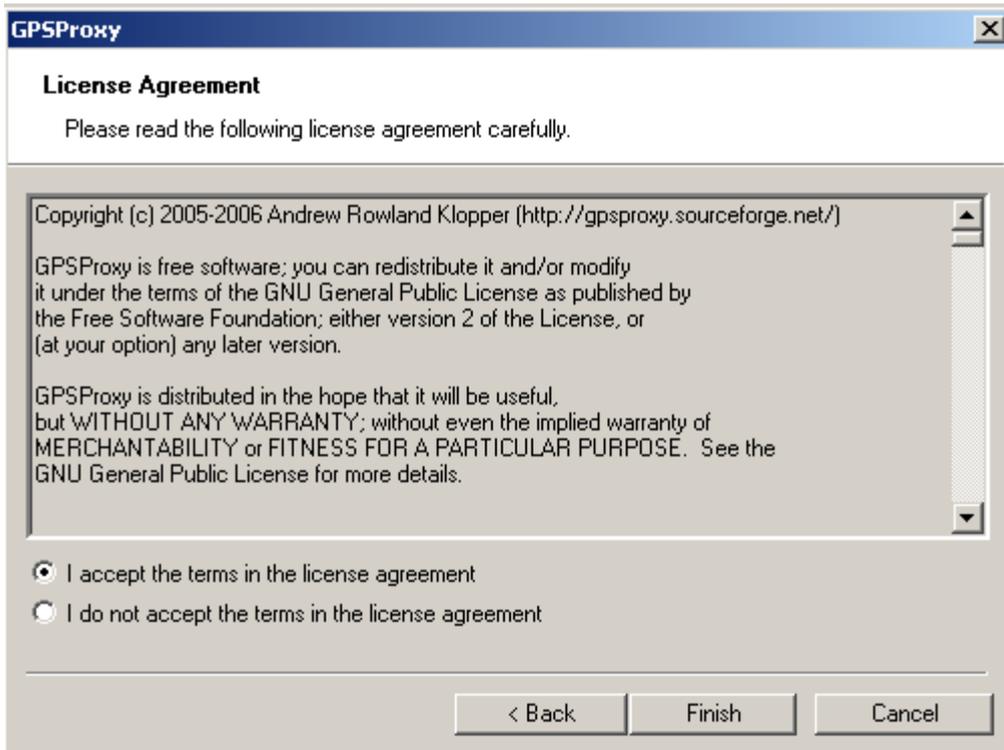
## GPS Proxy

**Step 1:** Double click on **GPSPProxy-2.2-Setup.exe** and you see the following screen:

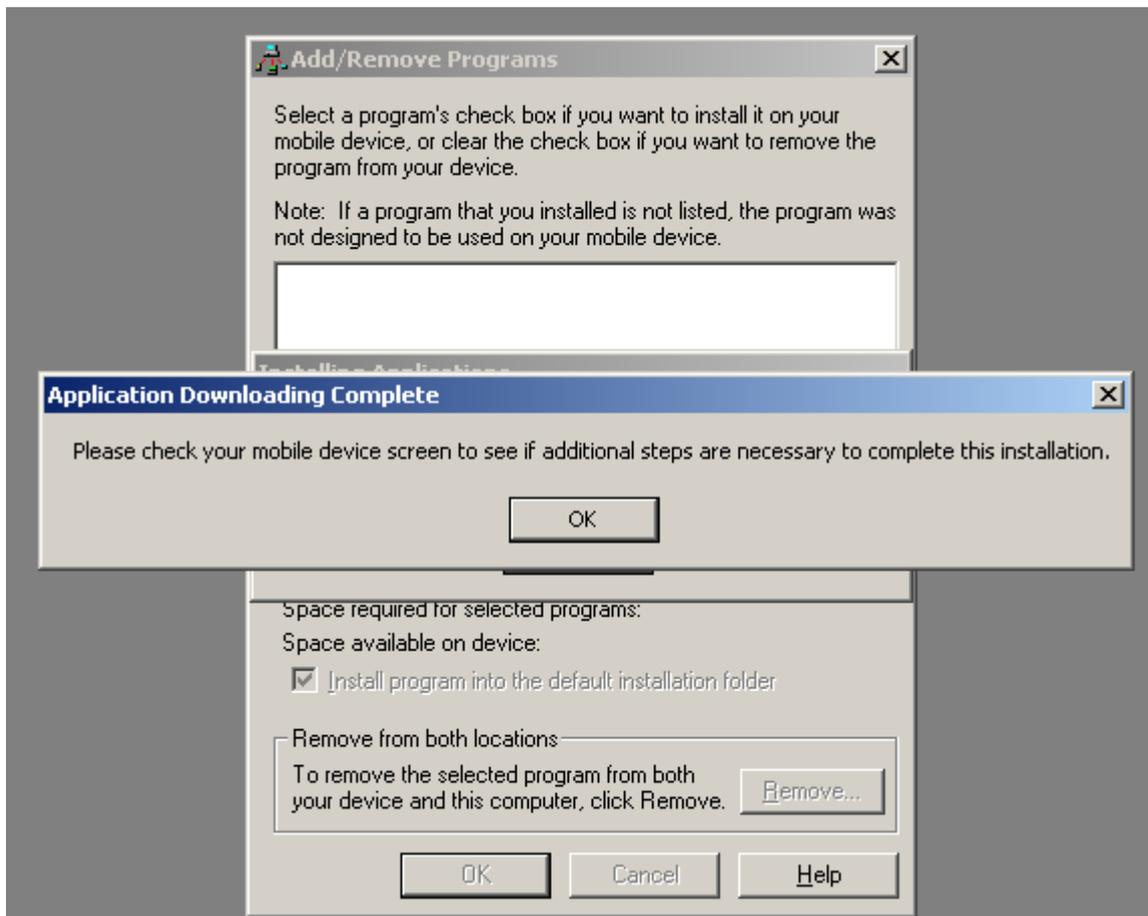


This screen tells you to ignore the message about **OpenNETCF.SDF.ppc3.ARM.CAB** that appears at the end of the installation. Click on Next.

**Step2.** Accept the terms and click on finish.

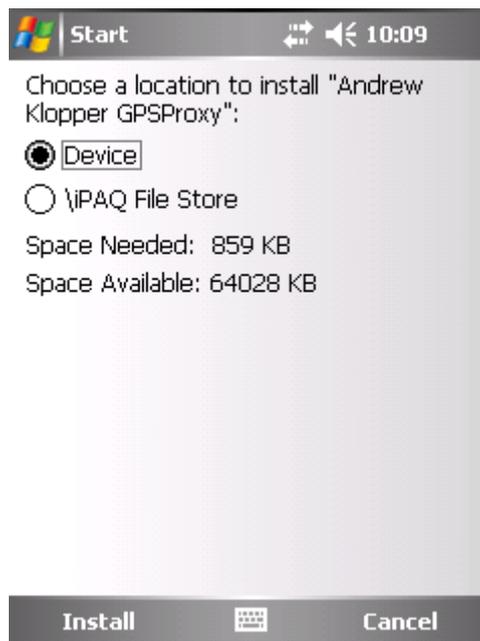


**Step 3.** Now, the installation will start on your PDA. Click on OK and check out your PDA.



**Step 4.** After few seconds, the installer should ask you where you want to install the application.

Choose "Device" and click on install.



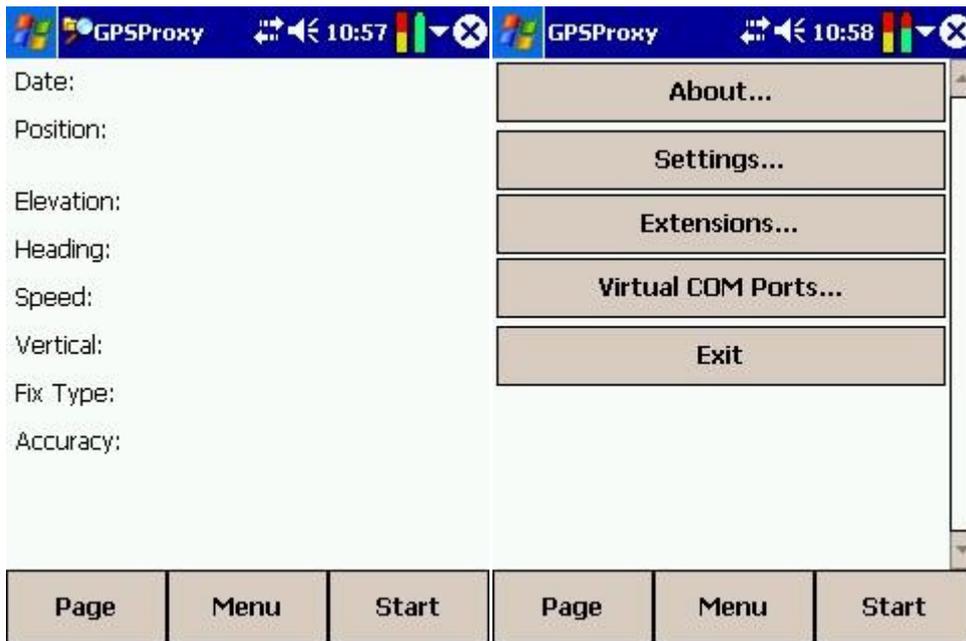
**Step 5.** Once the installation is finished, the message box that we were talking about before should come up. Ignore it by clicking on **Ok**.



A message should tell you that GPS Proxy was successfully installed.



**Step 6.** Now you have completed all the installation works, and it is time to configure the GPSProxy in your device. This part is very important and needs to be followed with attention.



When you start up GPSProxy 2, you will come to the main screen as shown. To access all setup settings, press Menu button.

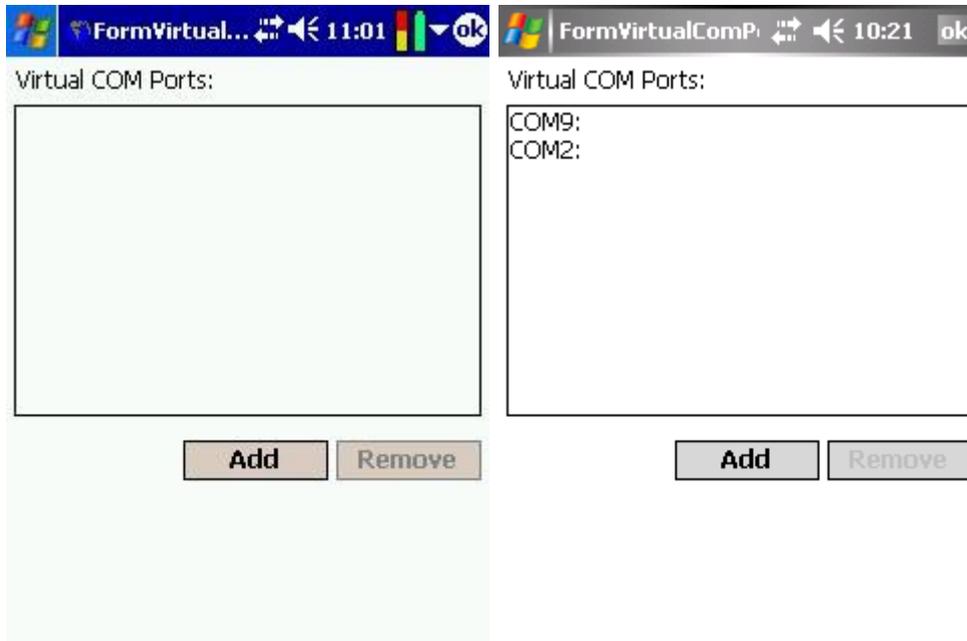
**Step 7:** Assign virtual com ports.

The USDB is using the GPS COM port to localise the Properties and Activities of the inspections. The system is built to work on COM9 but your GPS device might not work on the same COM port. So we need to mirror your GPS device COM port to COM9. To do so we need to create virtual COM port. Click on button Virtual COM Ports for setup.

When the Virtual COM Ports setup page appear, click **Add** button. GPSProxy will auto choose an

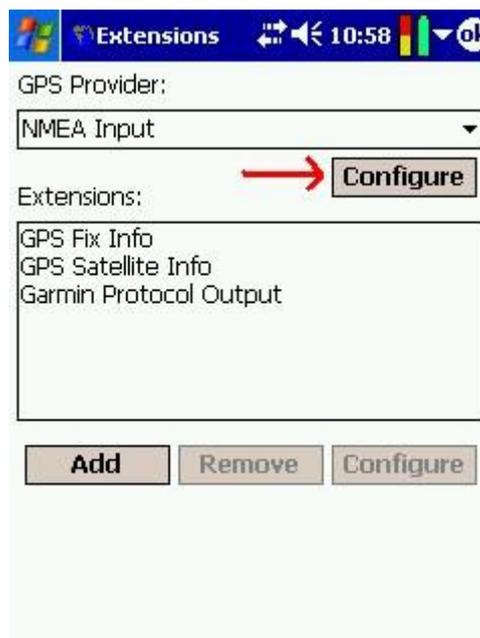
available free com port to be assigned as virtual port as shown in picture below. You can add more than 1 virtual port but minimum is to have one.

Add some virtual com ports until you have got the COM9 and COM2. The COM2 will be used later on. Remove the others as we are not going to use them. You should end up with the following screen. Click on **OK**.



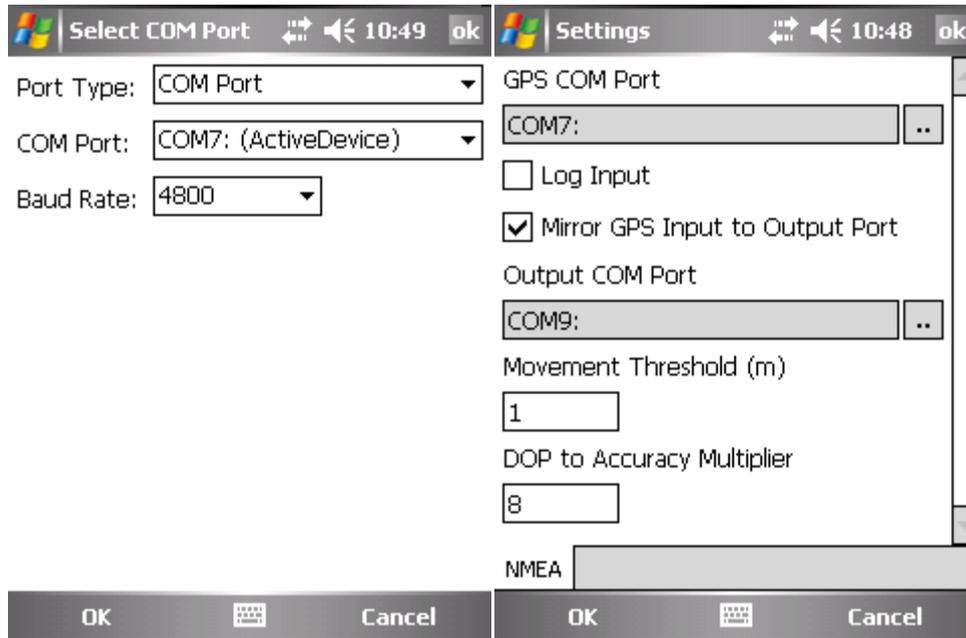
**Step 8:** Assign & configure GPS com ports

Go back to the menu page, click on button Extensions and you will be entering page as shown. Next click on the Configure button right below the combo box with text NMEA Input. This is where you configure the connection to your GPS receiver.



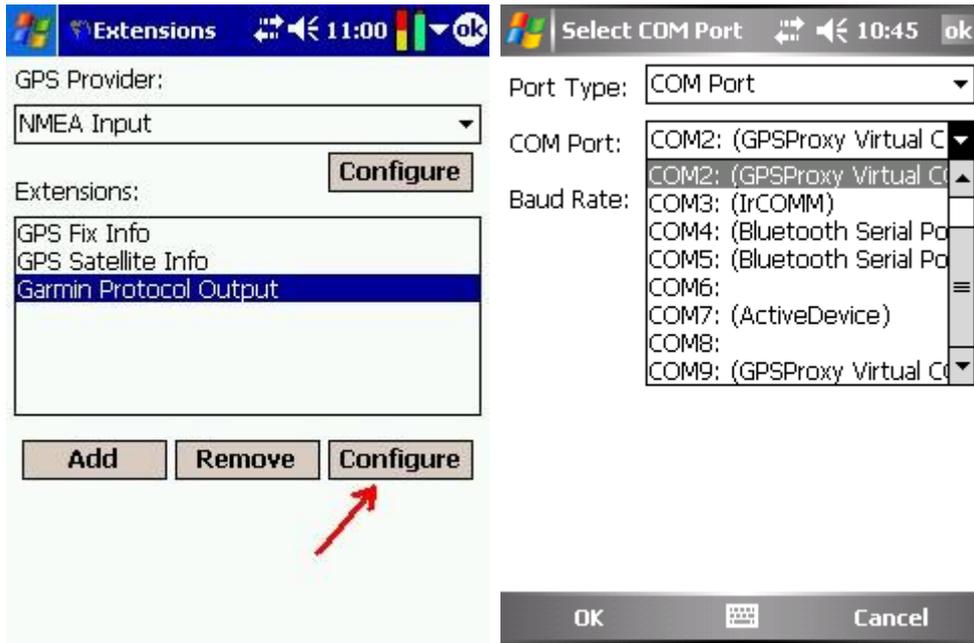
For GPS COM Port, click on the square button to enter into com port settings.  
From the dropdown list, select your GPS physical comm. port. For CF / cable connection or built in GPS in your ppc, use baud rate 4800. For bluetooth GPS, use 57600 or hardware vendor recommended value.

Tick the option **Mirror GPS Input to Output Port** as we want to Mirror everything to the Virtual COM port COM9. Then in Output COM Port choose COM9.

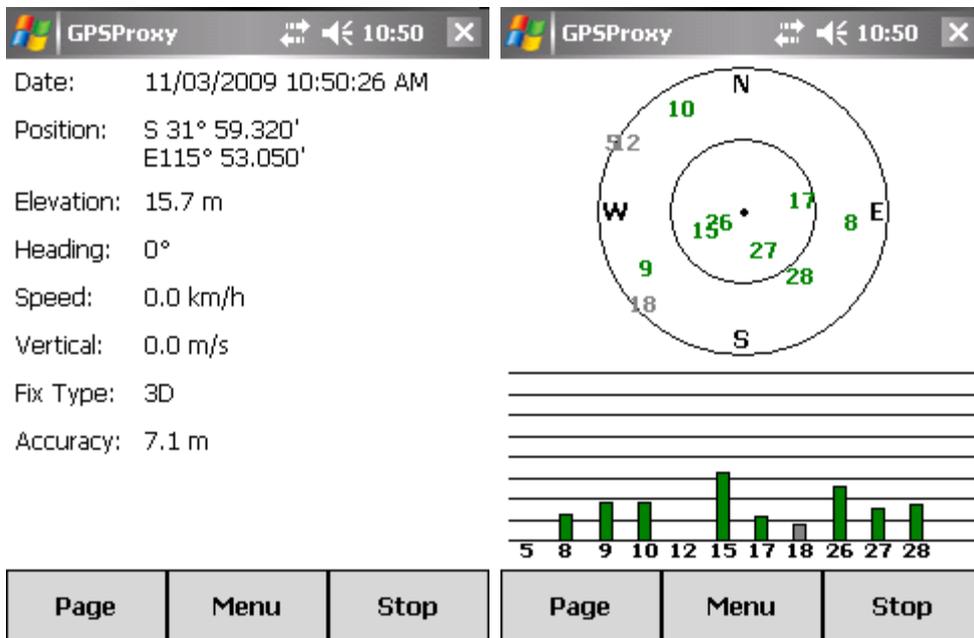


**Step 9:** Configure virtual com ports

Go back to Extensions page. Select Garmin Protocol Output from the list box and press the Configure button. A familiar COM port configuration page will appear where it is now for virtual port setup. Select COM2 that labeled as GPSPProxy Virtual COM Port, which is also the com port you've assigned earlier.



Once this is done, click OK to go back the initial screen. Turn on and get your GPS ready (make sure bluetooth connection is turn on, cable/cf card is plugged in or whatever it is .... ). Hit the Start button and you are ready to go. You can click on Page button & select GPS Satellite Info to have a graphical view. Hit the cross on the top-right corner to minimize the application. GPSProxy is running in background.



The earth icon and the bottom-right corner shows GPSProxy running in background. You can double click on it order to bring it back on the screen.

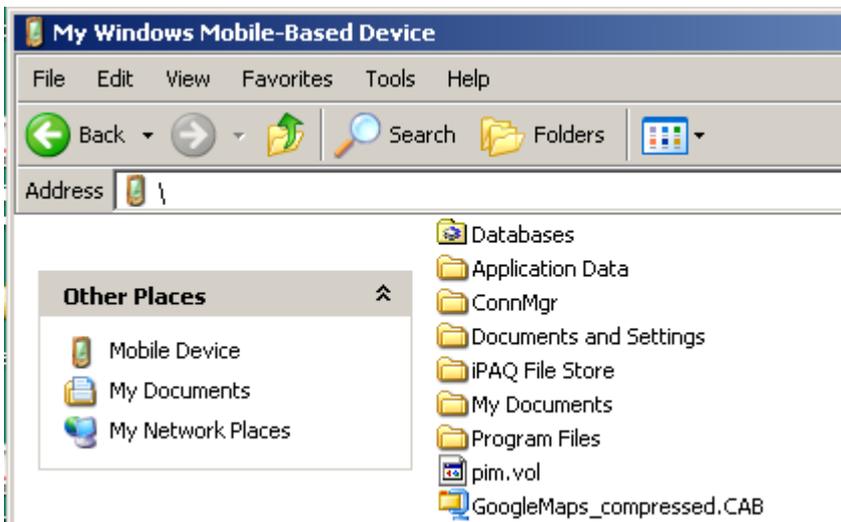
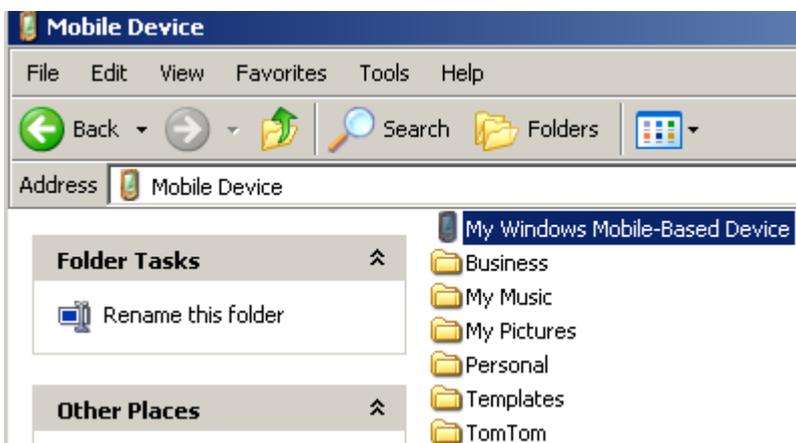


## Google maps

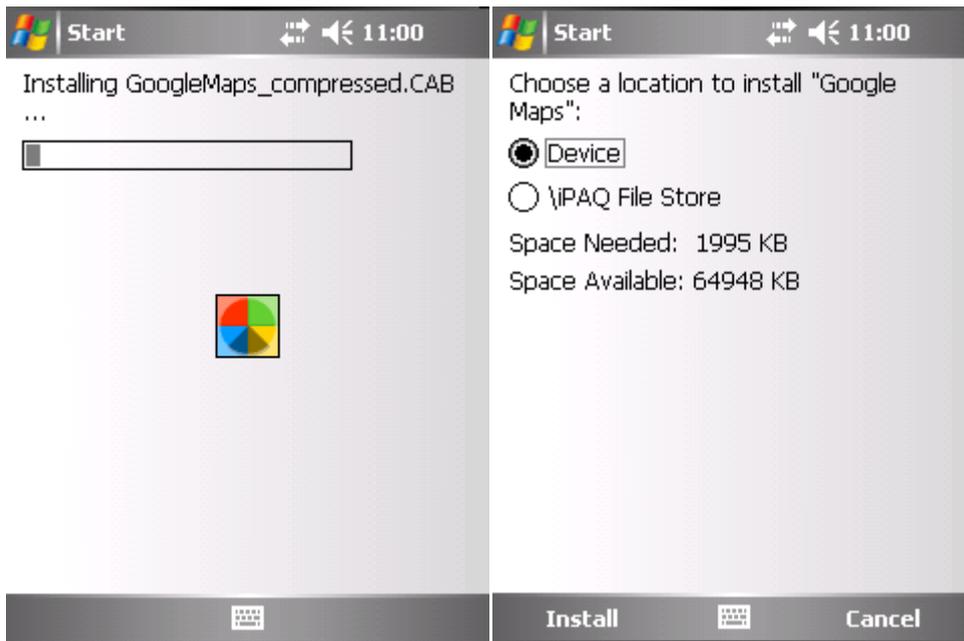
**Step1.** The GoogleMaps setup is .CAB file which means it can only be run from the PDA. Thus we need to copy this file into the PDA using ActiveSync. Click on the ActiveSync icon in the task bar and click on **Explore**.



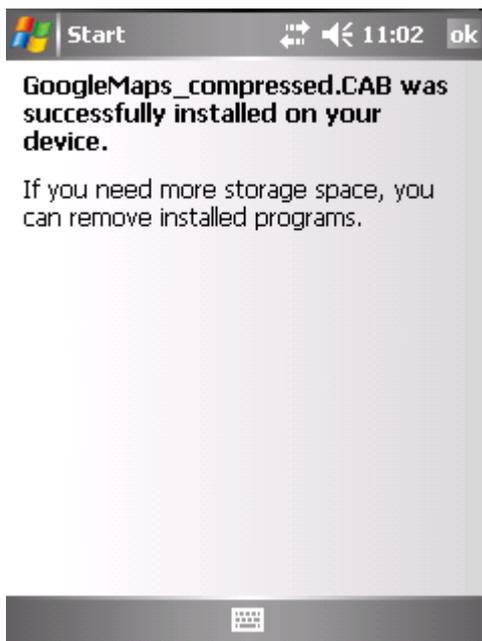
Double click on My Windows Mobile-Based Device and drag GoogleMaps\_compressed.CAB in this folder.



**Step 2.** Once the file is uploaded into the device, click on it in order to start the installation. Install the application into the device and click on **Install**.



If everything is fine you should see the following screen.



### Visual CE Tools

Double click on **Visual CE tools VTBO.exe** located in the **Setup** folder.

The installation should start and the following screen should appear and your device.

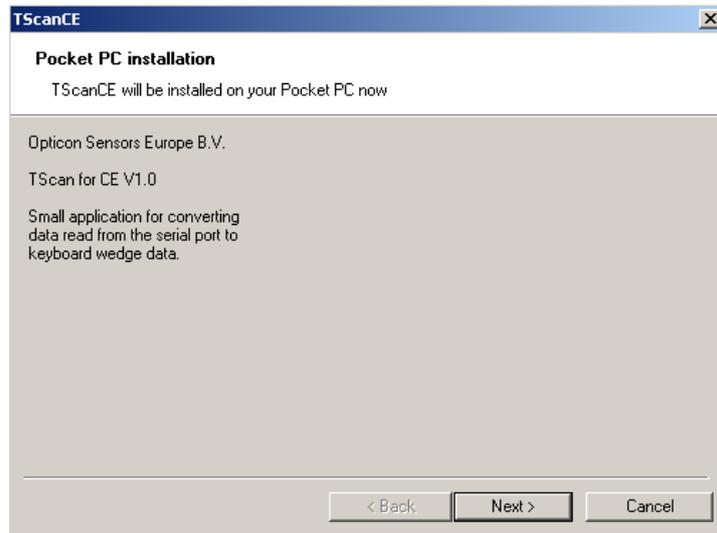


Choose to install the application within the device and click on install. If everything runs properly you should be able to see the following screen.

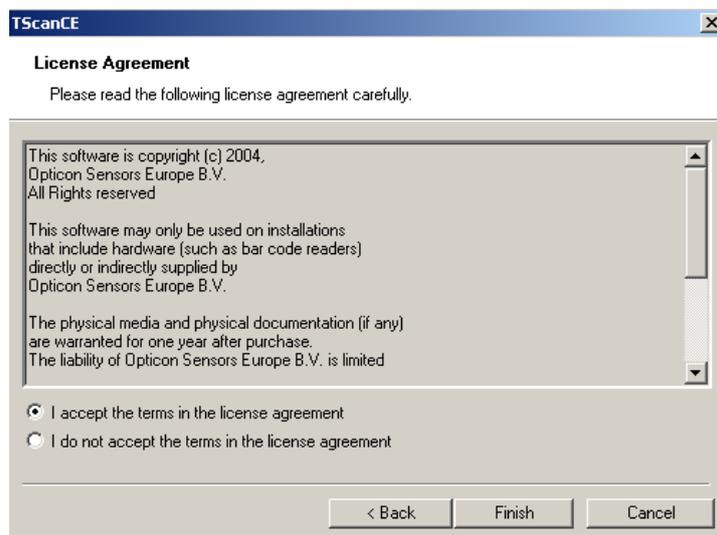


### TScan

To install TScan, double click on **TscanCeSetup.exe** within the **Setup** folder. The installation will start and display the following screen:

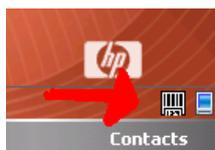


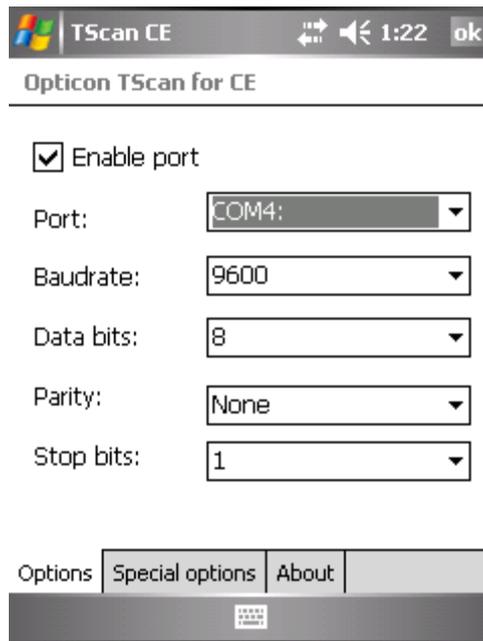
Click on next and accept the terms in the license agreement. Then click on Finish.



The installation should start on the device. Install the application on the device as usual. Once Tscan is installed on the PDA, it needs to be set up properly in order to communicate in Bluetooth with the device.

Once you have checked the inbound comport of your device, open Tscan (it is supposed to be in "Start -> Program"). The icon should be on the bottom right of your device. Click and hold on it and select **Options**.





Tick the box and enable the port that you use for the Bluetooth. Leave the default values as they are. Tscan is now set up to read the data from your barcode reader.

# Flow chart

