

Pocket PC GPRS configuration guide Version 1.0

COMIPE GPS

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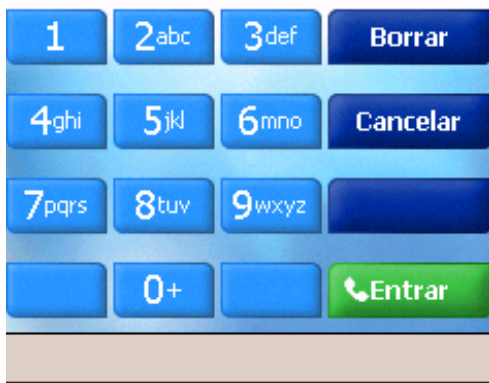
1 Basic GPRS configuration for a Pocket PC with integrated GSM/GPRS

As this Pocket PC has integrated GSM/GPRS, it is ready to make a GPRS Internet connection and we will only have to configure the connection parameters. Follow the next steps:

1. Start the Pocket PC and activate its phone function (introduce PIN)



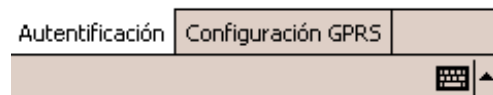
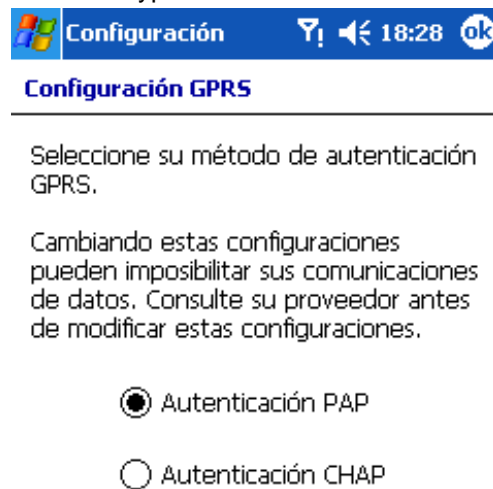
Escriba su código PIN.
 Sólo las llamadas de emergencia se pueden realizar sin el código PIN.



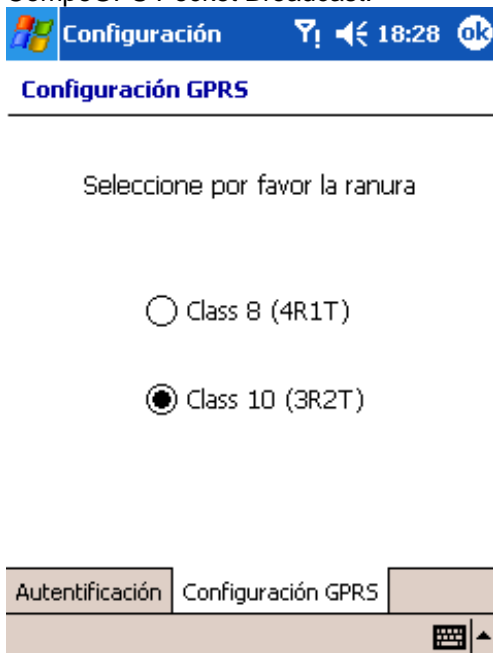
2. Revise the GPRS configuration clicking on **Start > Configuration > Connections** (Tab)



3. Now click on **GPRS setting** and configure the connection type on **PAP Authentication**.



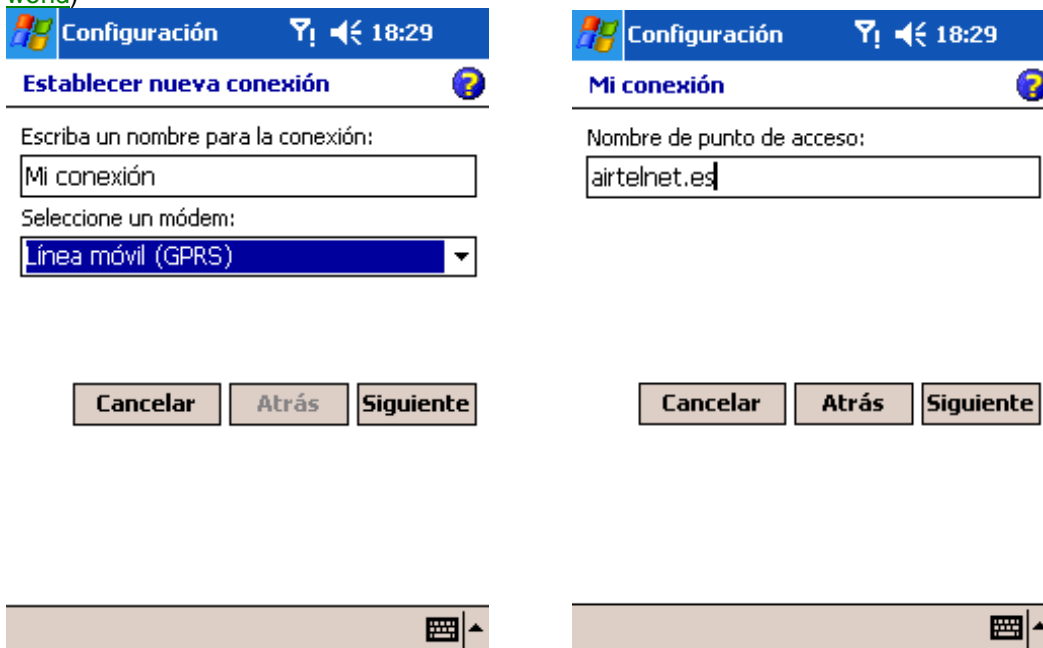
4. Click on the tab of **GPRS setting** and select the desired slot. This is not essential because it sets the upload and download bandwidth: On 4R1T mode we will have 4 downward slots and 1 upward, on 3R2T we will have 3 downward and 2 upward. These parameters are not important for CompeGPS Pocket Broadcast.



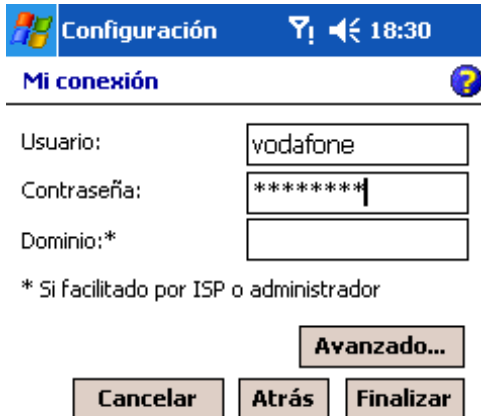
5. Finally, click on OK. Now we will configure the connections. Click on **Connections** and next on **My ISP** and **Add a new modem connection**.



6. Select a modem **Cellular line GPRS**, **next** and introduce the access point name. Click **next** and fill up all the fields with the information provided by the telephone operator (see the Debe seleccionar el tipo de módem **Línea móvil (GPRS)** y proceda a rellenar los diferentes campos. Rellene a continuación los campos según la configuración que le debe proporcionar su operadora de telefonía móvil (see [Annex: GPRS Configuration for several mobile telephone operators from around the world](#))



- When all the fields have been filled up, click on **finish** and the connection will be ready.



- To be sure that you can connect to internet you will have to use it. Go to the desktop, start Internet Explorer and try to visit some web page. When the Explorer detects that it doesn't have Internet connection, it will try to connect using the configured connection.



9. Once you have managed to connect to internet you will be able to surf on internet without problems. This is the only way to work with any program that uses internet. If you have GSM/GPRS coverage problems, the status window (informative window that appears when starting connection) will inform about the kind of error.



2 Basic Pocket PC configuration to connect GPRS through a mobile phone

If your PDA does not have the chance to work as a mobile phone and directly establish a GPRS connection, you can accede to that conenction through your mobile phone. To do that, you will need: A bluetooth PocketPC and a bluetooth mobile phone with GPRS modem.

The configuration is quite complicated and sometimes it may seem that everything fails. This guide tries to show some steps for its configuration and problem solving.

The telephone operators usually have connection kit that lets you connect your PocketPC to Internet through the phone. We recommend to ask your phone operator about how to connect your Pocket PC with these kind of kits.

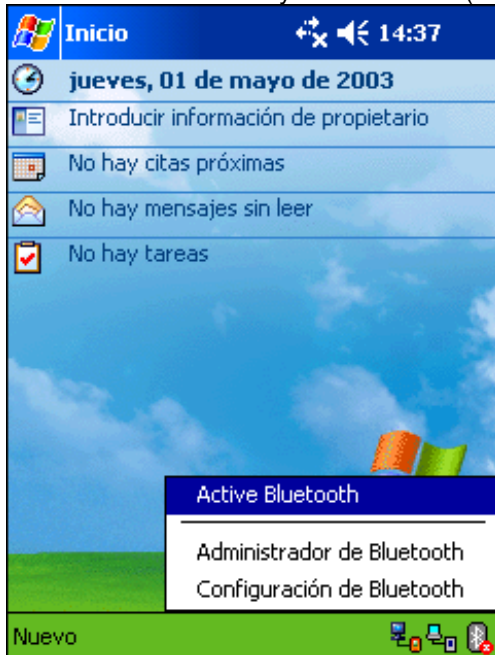
Next you can find some links to Spanish mobile telephone operators that will let you find the connection kits and the instructions to follow. If your operator is not on that list, you should search on its web page (or customer service) for a similar service.

- **Movistar kit for PDA:**
 - **Web:** <http://www.movistar.es/particulares/servicios/descargaaplicaciones/conexiongprs.htm>
 - **Aplication:** KitmovistarGPRS-HandHeld(v 3.2.1)
[http://www.movistar.es/media/descargas/KitMoviStarGPRS-HandHeldPC\(3.2.1\).zip](http://www.movistar.es/media/descargas/KitMoviStarGPRS-HandHeldPC(3.2.1).zip)
- **Vodafone kit for PDA:**
 - **Web:**
<http://www.vodafone.es/Vodafone/EmpresasPS/EmpresasPSNew/0,2979,8373,00.html>
 - **Aplication:**
<http://www.vodafone.es/VSharedClient/VodafonePortal/EmpresasPS/descarga/VodafoneNet-PPC-3.62.exe>
- **Amena kit for PDA:**
 - **Web:** http://www.amena.com/presentacion/profesional/gprs/software_conexion.html
 - **Aplication:**
<http://www.amena.com/presentacion/profesional/gprs/zip/PocketPC.zip>

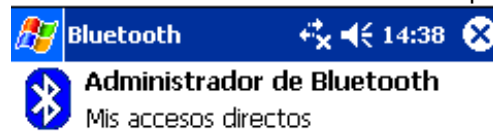
Before installing the kit, you should follow the next steps to bond your mobile phone (here we will use a Nokia 6600) to the PDA (the particular path may vary a little bit depending on the OS version of your PDA) by bluetooth:



1. **Activate Bluetooth** of your PocketPC (click on the bluetooth icon on the down-right corner).



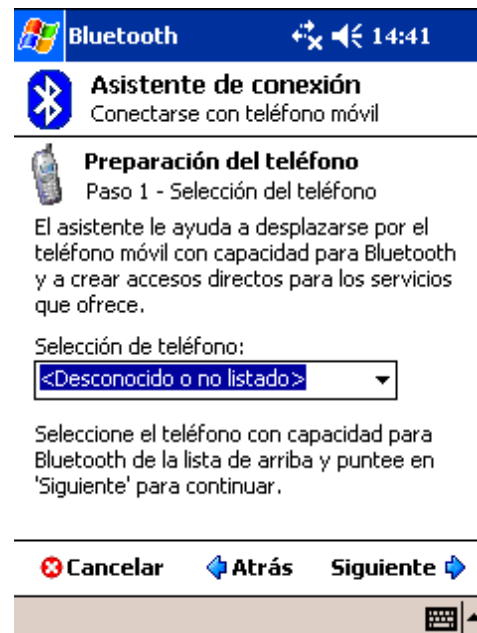
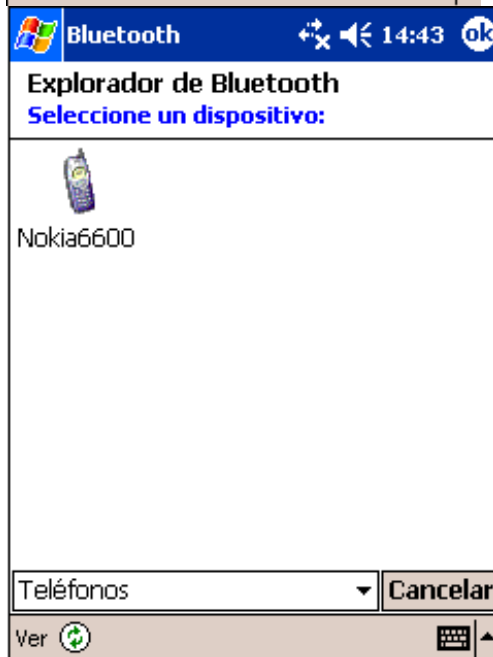
2. Now click on **Bluetooth administrator** and select the menu option **New**.



Puntee en Nuevo > Conectar para acceder a otros dispositivos vía Bluetooth

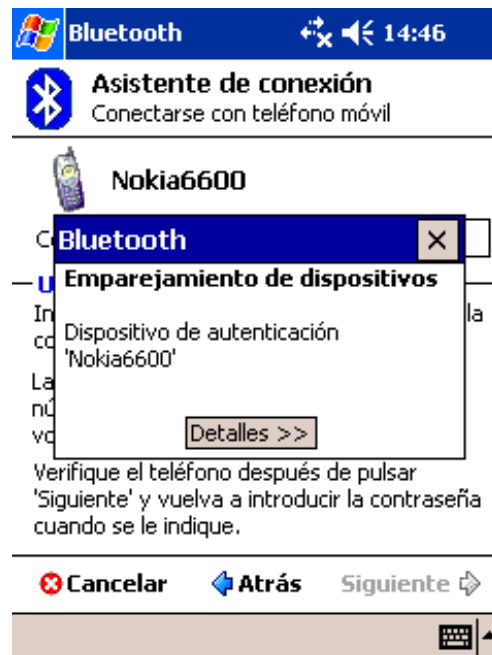
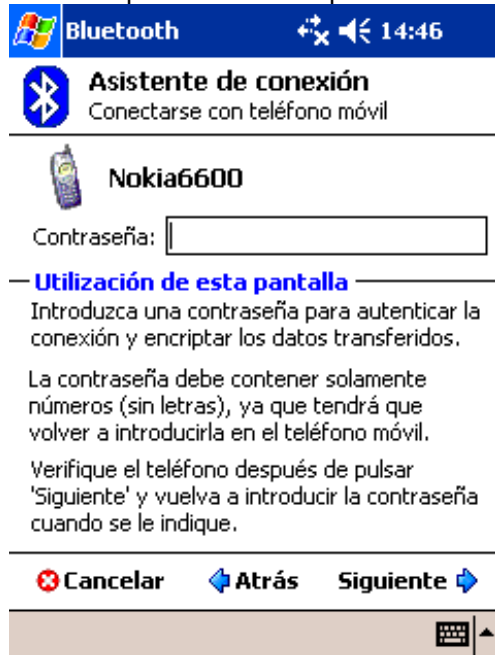


3. On the next screen we will have to select the **connection to a mobile phone**. Then select the particular mobile phone.

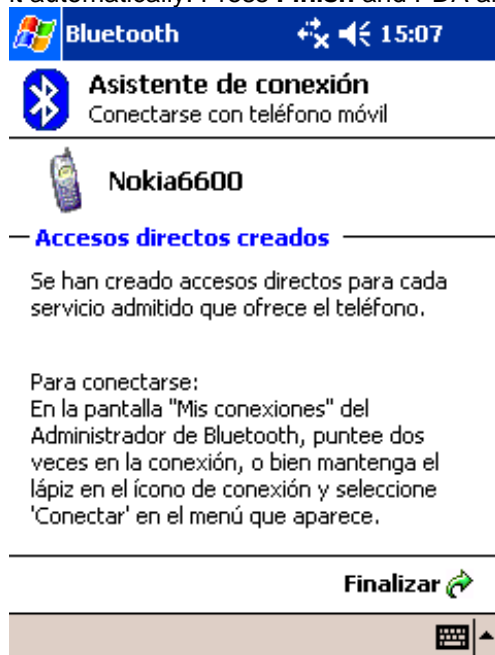


- Next you will be asked to create a password to bond both devices (PDA and phone), introduce a password and press next. The PDA will ask the phone for a confirmation. You will have to introduce

the same password on the phone.

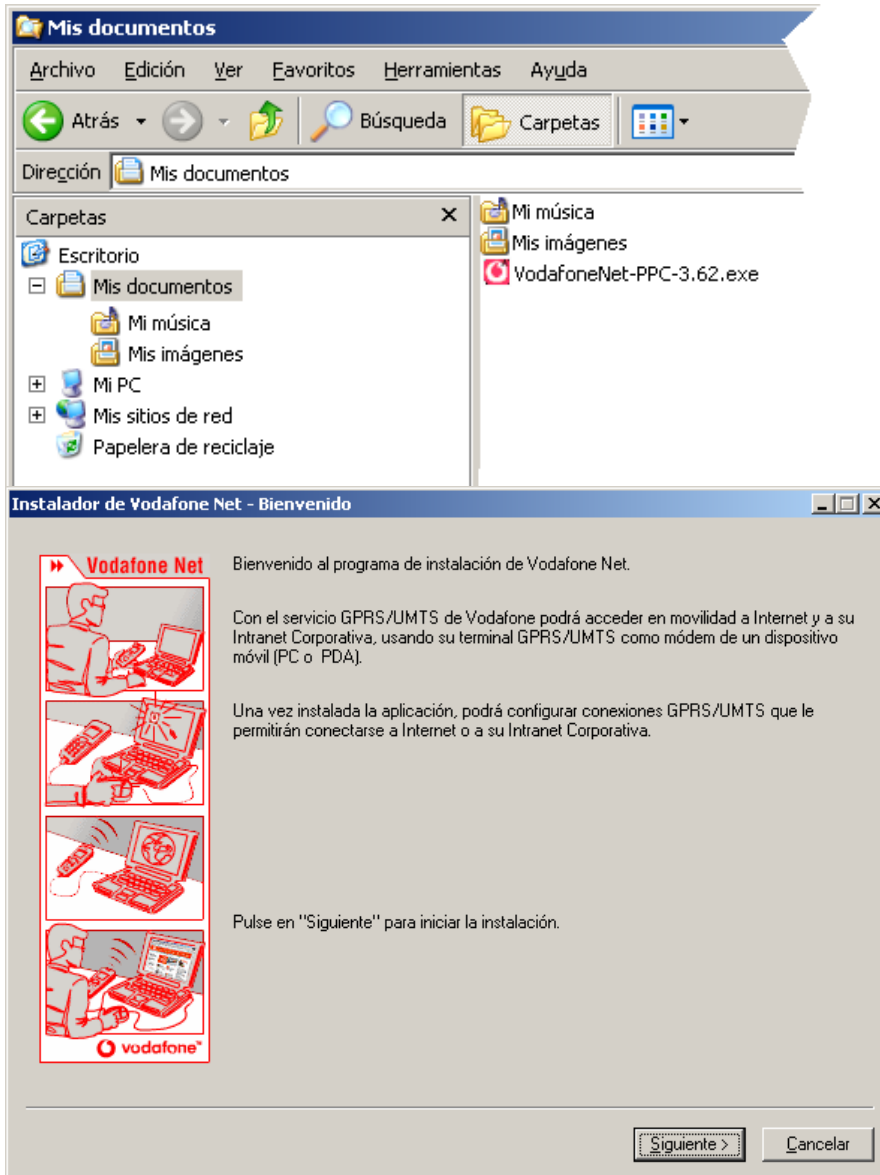


- Once they are bonded, you will be asked whether to set this connection to be the default internet connection or not. This choice doesn't really matter because the GPRS configuration kit will enable it automatically. Press **Finish** and PDA and phone will be bonded.



Now we can install the GPRS configuration kit of our telephone operator, following its instructions. The kit will install an application on your PDA and it will set the Internet connection. Usually it has a window where we may see the consumption and the connection state. In this guide we will see the example of the Vodafone GPRS connection for PDA.

1. Installation of the Kit from the PC.



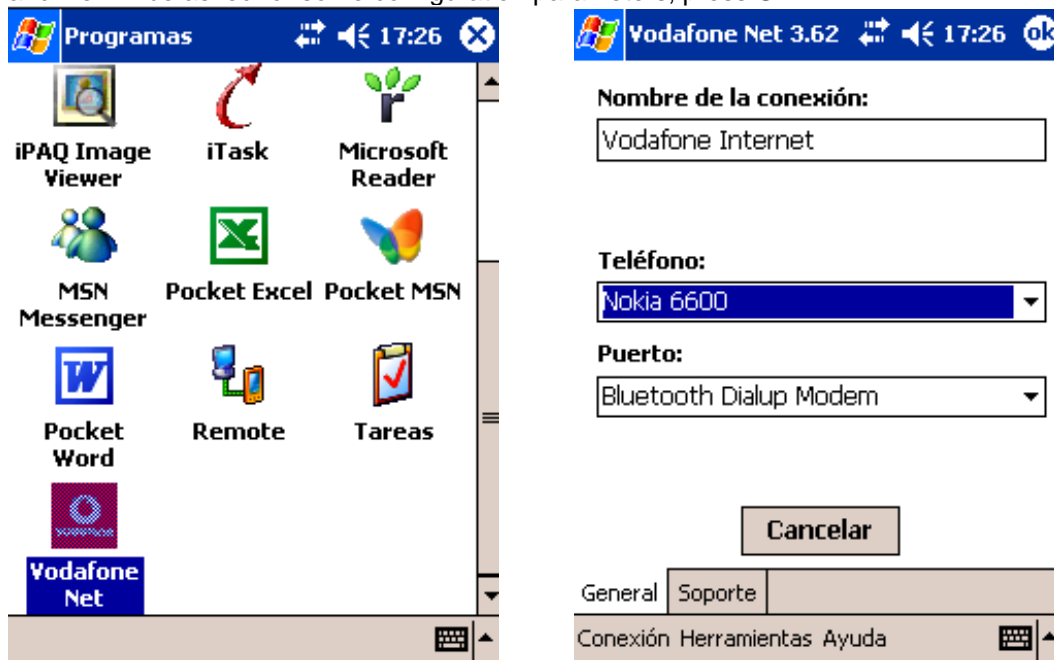
2. Follow the steps of the PC assistant and it will install the GPRS connection assistant on the PDA. Then start the **Vodafone Net for Pocket PC** and follow the instructions to configure the connection,



selecting the specific mobile phone and the Vodafone internet access.

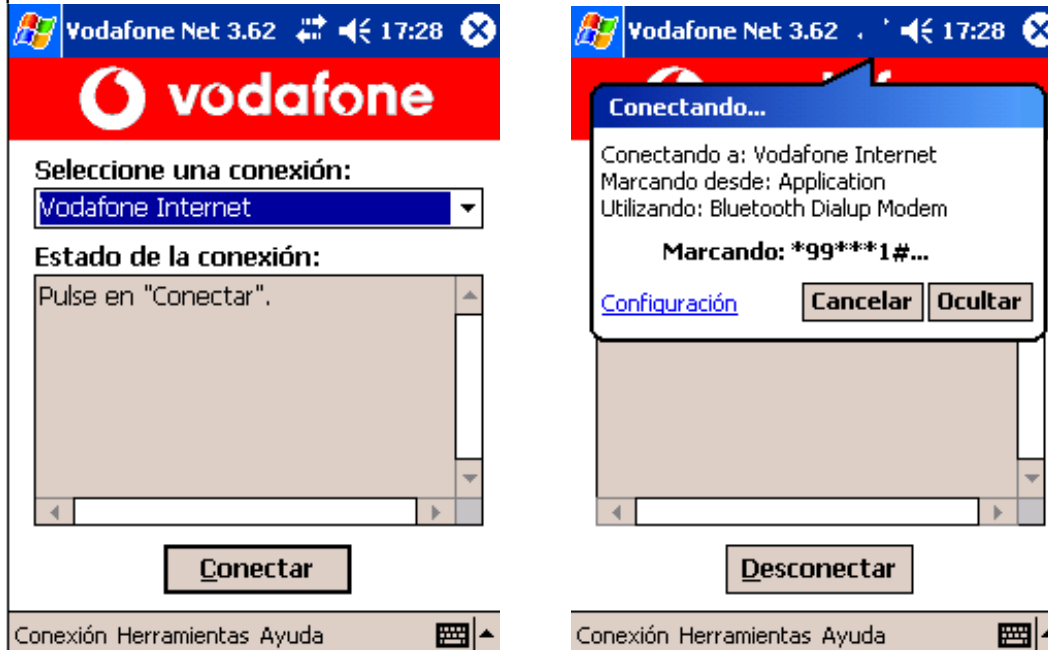


- When the assistant finishes, we will have **Vodafone Net** installed on our PDA. Start this application and we will be asked for some configuration parameters, press **OK**.

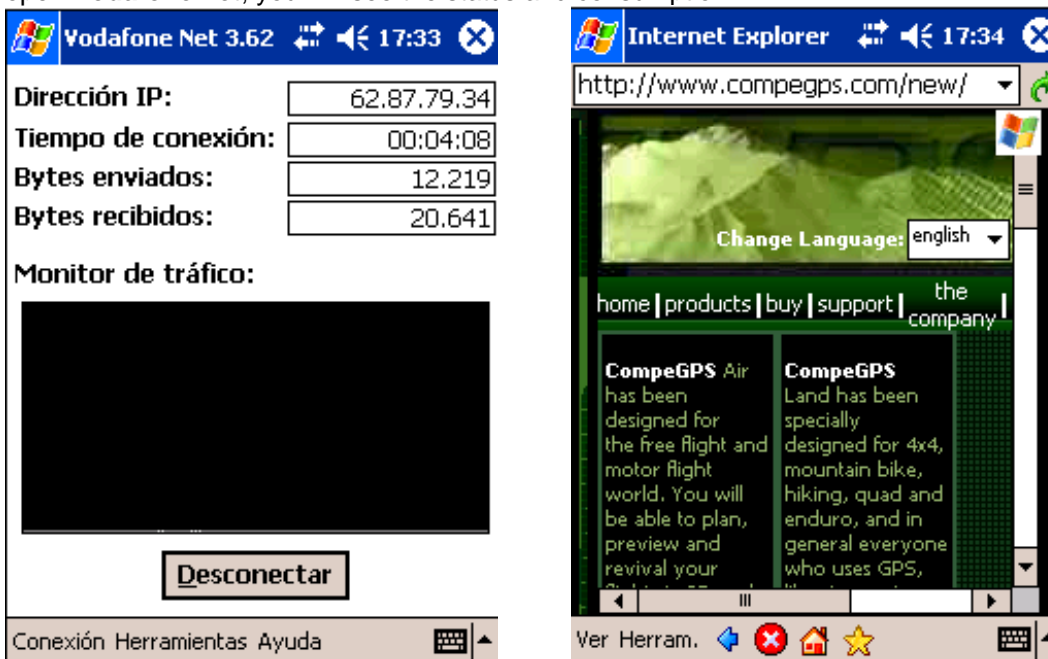




- Finally, if you want to connect to Internet, press the Connect button. It will connect to the mobile phone and accede to the GPRS connection.



- It will automatically open Internet Explorer. At this moment, the PDA is ready to connect to CompeGPS Broadcast and send our position. To disconnect or see the status of the connection, open **Vodafone net**, you will see the status and consumption.



3 Annex: GPRS Configuration for several mobile telephone operators from around the world

Austria

[Connect Austria / One]
APN=web.one.at
DNS1=194.24.128.100
DNS2=194.24.128.102
[MobilKom]
Username=GPRS@A1plus.at
APN=A1.net
DNS1=194.48.124.200
DNS2=194.48.139.254
[Singtel Optus]
APN=internet.optus.net.au
[Telering]
Username=web@telering.at
Password=web
APN=web
DNS1=212.95.31.11
DNS2=212.95.31.35
[Telstra]
APN=telstra.wap.mnc001.mcc505.gprs
[T-Mobile A - GPRS]
APN=gprsinternet
DNS1=213.162.64.1
DNS2=213.162.64.2
[T-Mobile A - Business GPRS]
APN=business.gprsinternet
DNS1=213.162.64.1
DNS2=213.162.64.286

Australia

[Vodafone AU]
APN=vfinternet.au

Belgium

[Mobistar]
Username=mobistar
Password=mobistar
APN=web.pro.be
DNS1=212.65.63.10
DNS2=212.65.63.145
[Proximus - Internet]
APN=INTERNET.PROXIMUS.BE
DNS1=195.238.2.21
DNS2=195.238.2.22
[Proximus - Intranet]
APN=INTRAPROX.BE
DNS1=195.238.2.21
DNS2=195.238.2.22

Canada

[Microcell]
Username=dummy
Password=dummy
APN=internet.fido.ca
China
[China Mobile]
APN=cmnet

Croatia

[VIPnet]
APN=gprs.vipnet.hr

Czech Republic

[Cesky Mobil - prepaid]
APN=ointernet
DNS1=212.67.64.2
[Eurotel]
APN=internet

DNS1=160.218.10.201
DNS2=194.228.2.1
[Paegas - GPRS Internet]
APN=internet.click.cz
DNS1=62.141.0.1
DNS1=62.141.0.2
[Paegas - GPRS Profil]
APN=profil.click.cz
DNS1=62.141.0.1
DNS1=62.141.0.2

Denmark

[Sonofon]
DNS1=212.88.64.14
DNS2=212.88.64.15
[TDC]
APN=internet
DNS1=193.162.146.9
DNS2=193.162.153.31

Finland

[Dna]
APN=internet
DNS1=217.78.192.78
DNS2=217.78.192.22
[Radiolinja]
APN=internet
DNS1=213.161.33.200
DNS2=193.185.210.10
[Sonera]
APN=internet
DNS1=192.89.123.230
DNS2=192.89.123.231

France

[Bouygues Telecom]
APN=ebouygtel.com
[Orange F]
Username=orange
Password=orange
APN=orange.fr
DNS1=194.51.3.56
DNS2=194.51.3.76
[SFR]
APN=websfr
DNS1=172.20.2.10

Germany

[D2 Vodafone]
APN=volume.d2gprs.de
DNS1=139.7.30.125
DNS2=139.7.30.126
[E-Plus]
Username=eplus
APN=internet.eplus.de
DNS1=212.23.97.2
DNS2=212.23.97.3
[Quam]
Username=quam
Password=quam
APN=quam.de
DNS1=193.189.244.192
DNS2=193.189.244.205
[T-D1]
APN=internet.t-d1.de
DNS1=193.254.160.1
[Viag Interkom]
APN=internet
DNS1=195.182.96.28

DNS2=195.182.96.61
[Viag Interkom (LOOP)]
APN=pinternet.interkom.de
DNS1=195.182.114.114

Greece

[Cosmote]
APN=internet
DNS1=195.167.65.194
[Telestet]
Password=24680
APN=gnet.b-online.gr
DNS1=212.152.79.19
DNS2=212.152.79.20
[Vodafone GR]
APN=internet.vodafone.gr
DNS1=213.249.17.10
DNS2=213.249.17.11

Hungary

[Pannon]
APN=Net
90
DNS1=193.225.155.254
DNS2=194.149.0.157
[Westel]
APN=internet
DNS1=194.176.224.3
DNS2=194.176.224.1

Hongkong

[CSL]
APN=internet
DNS1=202.84.255.1
DNS2=203.116.254.150
[New World]
APN=internet

Hongkong

[Orange HK]
APN=web.orangehk.com
[Peoples]
APN=internet
[SmarTone]
APN=internet
DNS1=202.140.96.51
DNS2=202.140.96.52
[Sunday]
APN=internet

India

[BPL Mobile]
Username=bplmobile
APN=bplgprs.com
DNS1=202.169.145.34
DNS2=202.169.129.40

Indonesia

[IM-3]
Username=gprs
Password=im3
APN=www.indosat-m3.net

Italy

[Blu]
APN=INTERNET
DNS1=212.17.192.49
DNS2=212.17.192.209

[TIM]
APN=uni.tim.it
[Vodafone Omnitel]
APN=web.omnitel.it
[WIND]
APN=internet.wind
DNS1=212.245.255.2
1.1.1. Jordan
[Fastlink]
APN=internet
[MobileCom]
Username=internet
Password=internet
APN=internet.mobilecom.jo

Lebanon

[Cellis]
Username=plugged
Password=plugged
APN=internet.ftml.com.lb
DNS1=194.126.29.8
DNS2=194.126.29.12
[Libancell]
APN=isurf.libancell.com.lb
DNS1=212.98.130.34
DNS2=212.98.130.35

Lithuania

[Bite GSM]
APN=banga
DNS1=213.226.131.131
DNS2=193.219.32.13
[Omnitel Lithuania]
APN=gprs.omnitel.net
DNS1=194.176.32.129
DNS2=195.22.175.1

Malaysia

[DiGi]
APN=diginet
DNS1=203.92.128.131
DNS2=203.92.128.132
[Maxis]
APN=net
DNS1=202.75.129.101
DNS2=10.206.4.21
[TIMECel]
APN=timenett.com.my
DNS1=203.121.16.85
DNS2=203.121.16.120
[TMTouch]
APN=internet
93
DNS1=202.188.0.133

Netherlands

[Ben - GPRS intensief]
APN=internet-int
DNS1=193.79.251.39
DNS2=193.79.237.39
[Dutchtone]
APN=internet
DNS1=194.134.5.5
[Ben - GPRS actief]
APN=internet-act
DNS1=193.79.251.39
DNS2=193.79.237.39
[KPN]
APN=internet

DNS1=62.133.126.28
DNS2=62.133.126.29
[O2 NL]
Username=gprs
Password=password
APN=internet
[Vodafone NL]
APN=web.vodafone.nl
New zealand
[Vodafone NZ]
APN=www.vodafone.net.nz
DNS1=202.20.93.10
DNS2=203.97.191.189

Norway

[NetCom]
DNS1=212.45.188.43
DNS2=212.45.188.44
[Telenor Mobil]
APN=internet

Philippines

[Globe]
Username=globe
Password=globe
APN=www.globe.com.ph
DNS1=203.127.225.10
DNS2=203.127.225.11
[Smart]
APN=internet
DNS1=202.57.96.3
DNS2=202.57.96.4

Poland

[ERA]
Username=erainternet
Password=erainternet
[Idea]
Username=idea
Password=idea
APN=www.idea.pl
DNS1=194.204.159.1
DNS2=194.9.223.79
[Polkomtel - Plus]
APN=www.plusgsm.pl

Portugal

[Optimus]
APN=internet
DNS1=194.79.69.129
[TMN]
APN=internet
DNS1=194.65.3.20
DNS2=194.65.3.21
[Vodafone Telecel]
APN=internet.telecel.pt
DNS1=212.18.160.133
DNS2=212.18.160.134

Russia

[BeeLine]
Username=beeline
Password=beeline
APN=internet.beeline.ru
DNS1=194.190.195.66
DNS2=194.190.192.34
[Mobile Telesystems]
APN=internet.mts.ru
DNS1=213.87.0.1
DNS2=213.87.1.1

Singapore

[MobileOne]
APN=mobilenet
DNS1=202.79.64.21
DNS2=202.79.64.26
[Singtel]
APN=internet
[StarHub]
APN=shwap
Slovakia
[Orange SK]
APN=internet
DNS1=213.151.200.3
DNS2=195.12.140.130

Slovenia

[Mobitel - Internet]
APN=internet
[Mobitel - Internet Pro]
APN=internetpro
[Si.mobil]
DNS1=121.30.86.130
DNS2=193.189.160.11

Spain

[Amena]
Username=CLIENTE
Password=AMENA
APN=internet
DNS1=213.143.33.8
DNS2=213.143.32.20
[Telefonica Movistar]
Username=MOVISTAR
Password=MOVISTAR
APN=movistar.es
DNS1=194.179.1.100
DNS2=194.179.1.101
[Vodafone Espa]
APN=airtelnet.es
Username=vodafone
Password=vodafone

Sweden

[Telia]
Switzerland
[Orange CH]
APN=internet
DNS1=213.55.128.1
DNS2=213.55.128.2
[Sunrise]
Username=internet
Password=internet
APN=internet
DNS1=212.35.35.35
DNS2=212.35.35.5
[Swisscom]
Username=gprs
DNS1=164.128.36.34
DNS2=164.128.76.39

Taiwan

[Chunghwa]
APN=wappie
[Far EastOne]
[Hinet]
APN=internet
DNS1=168.95.192.1
DNS2=168.95.1.1
[KGT Online]
APN=internet
[MobiTai]
Username=gprs
Password=gprs
[TransAsia]
APN=internet

Thailand

[AIS]
APN=internet
DNS1=202.183.255.20
DNS2=202.183.255.21
[DTAC]
APN=www.dtac.co.th
DNS1=203.155.33.1
DNS2=203.44.144.33

Turkey

[Aria]
APN=internet
[Turkcell]
DNS1=212.252.168.240
DNS2=212.252.119.4

UK

[O2 UK]
APN=adf.btcellnet.net
DNS1=194.73.82.242
[Orange UK]
Username=Orange
DNS1=158.43.192.1
DNS2=158.43.128.1
APN=orangeinternet
[T-Mobile UK]
Username=user
Password=one2one
APN=general.t-mobile.uk
[Vodafone]
APN=Internet
United Arab Emirates
[Etisalat]
APN=mnet

US

[AT&T Wireless]
[Cingular]
Username=WIXDC001@W5.MYC
INGULAR.COM
Password= ZXY203DC9K0402
APN=ISP.CINGULAR
[Rogers AT&T]
APN=internet.com
Username=wapuser1
Password=wap
[Voicestream]
APN=internet2.voicestream.com