User Manual

Bluetooth GPS Receiver

BT-318

Version: 1.12

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1 BT-318 AT A GLANCE

1.1 appearance and function







1.2 Change battery



Figure 1 Opening the cover of battery



Figure 2 Putting battery into BT-318



Figure 3 Putting battery into BT-318



Figure 4 Closeing the cover of battery

1.3 The appearance of GPRS cradle and how to connect it with BT-318







Figure 6 The bottom of BT-318 main unit



Figure 7 Combining BT-318 and GPRS Cradle



Figure 8 The BT-318 with GPRS cradle

1.4 How to insert SIM Card into GPRS cradle



Figure 9 Inserting SIM Card into GPRS Cradle

2 INTRODUCTION

The BT-318 is a GPS receiver with **Bluetooth** interface and built-in active antenna for high sensitivity to tracking signal. Based on the SiRF star $\prod e/LP$ low power chip set and supports all functions(SingleSat updates in reduced visibility, Superior urban canyon performance, FoliageLock for weak signal tracking, etc.). The BT-318 is well suited to system integration and users who use PDA, Smart phone, Tablet PC and Notebook PC with Bluetooth devices. It satisfies a wide variety of applications for car navigation, personal navigation or touring devices, tracking and marine navigation purpose.

2.1 Product Feature

- 1. SiRF Star II/LP high performance and low power consumption chipset
- 2. Communicates with Host Platform via Bluetooth Serial Profile
- 3. Built-in high sensitivity active GPS antenna
- 4. Optional external GPS antenna
- 5. 3 LED to show the status of GPS/Bluetooth/Battery
- 6. Replaceable and rechargeable 1650 mAh Li-ion battery
- 7. Continuously working for lasting 15 hours
- 8. Bluetooth operation range : 80M
- 9. Magnetic chassis for mounting conveniently
- 10. Can be provided with GPRS function by fitting on cradle

2.2 Package

Before you start up, make sure that your package includes the following items. If any items are missing or damaged, contact your dealer immediately.

- Bluetooth GPS Receiver
- A CD with the User Manual and the Testing Program.
- ♦ AC Power Charger
- DC Car Power Charger
- External Antenna

2.3 Power Switch

Power on

0

Power off

2.4 Power Jack

The power jack lets you to connect either a DC car power charger (included) or AC power charger (included) to recharge the internal battery. You can either use the included two chargers or an iPAQ-compatible AC adapter. Please note that the adapter rating 5V, 1.2 A, positive pole center.

2.5 LED Function

Bluetooth Status LED (Blue):

Blinking (Slowly) ---- Not connected to any Bluetooth devices. Blinking (Quickly) ---- Connected to other Bluetooth device.

GPS Status LED (Green):

Blinking ---- GPS position is fixed Steady light ---- GPS position not fixed

Battery Status LED (Red/Yellow):

Red ---- Battery power is critically low. Charge immediately. Yellow ---- Battery is charging now. LED off ---- Battery partially full or Battery is fully charged.

2.6 External Antenna

Basically, you don't need external antenna to perform GPS positioning with BT-318 since it already build-in active antenna. The only condition that you need external antenna is when BT-318 unit can not "see" the sky, For instance, when you are in any environments that GPS signal is blocked, the external GPS antenna will help to receive better GPS signal.

Plug the external antenna with MMCX connector to the plug on BT-318. Place the magnetic external antenna on the roof of the car or an outdoor open-space, and make sure place it in correct direction. That is, the side with magnetic is the bottom side, and the upper side must face to sky in order to receive better signal.

Notice:

Hold the antenna connector while you plug the external antenna into the BT-318 or unplug the external antenna from the BT-318. Do not pull the cable line.

3 USAGE

3.1 For PDA which built-in Bluetooth (Example: iPAQ 3870/3970)

- 1. Switch the BT-318 power on.
- 2. Please refer to the user manual of PDA to enable the Bluetooth of PDA connecting to the BT-318. Some PDAs may need the Bluetooth passkey, the passkey is "2003".
- 3. Check the number of COM port used by Bluetooth.(Example the iPAQ 3970 is the output port **COM 8**).
- Running the suitable mapping/navigation software and select the correct COM port(iPAQ 3970 is the output port COM 8)& baud rate : 38400

3.2 For PDA with Bluetooth Compact Flash card

- 1. Switch the BT-318 power on.
- 2. Please refer to the user manual of Bluetooth Compact Flash card to enable it connecting to the BT-318. Some Bluetooth devices may need the Bluetooth passkey, the passkey is "2003".
- 3. Check the number of COM port used by Bluetooth.(Example COM 6).
- 4. Running the suitable mapping/navigation software and select the **correct COM port & baud rate : 38400.**

3.3 For Notebook with Bluetooth device

- 1. Switch the BT-318 power on.
- Please refer to the user manual of Bluetooth device to enable it connecting to the BT-318. Some Bluetooth devices may need the Bluetooth passkey, the passkey is "2003".
- 3. Check the number of COM port used by Bluetooth.(Example **COM 6**).

4. Running the suitable mapping/navigation software and select the **correct COM port & baud rate : 38400.**

Note: Most of the applications, the Bluetooth device have an "auto-detect" feature that you do not need to select Baud Rate.

3.4 How to test your Bluetooth GPS Receiver ?

The testing program only supports the Microsoft Windows CE & Pocket PC based PDA platform.

- 1. Run the "GPSinfo.exe" to execute the installation procedure of testing program (via PC and ActiveSync).
- 2. Run the "GPS Information" program from "Start \rightarrow Program files" of PDA.

Here is the description of "GPS Information" testing program as follows: User must select COM port, Baud Rate (38400) and click the [Star GPS] button to start receiving GPS data.

Note: Most of the applications, the Bluetooth device have an "auto-detect" feature that you do not need to select Baud Rate.

🏂 GPS Information 🛛 📢 08:53 🛛	8
COM Port : COM8: Serial8	COM Port Select
Baud Rate : 38400	Baud Rate Select
Scan Com Port Close GPS Cold Start VTG	Start/Close receving dataCold Start to GPS
Power Save WAAS/EGNOS	Enable/Disable WAAS/EGNOS Enable/Disable Trickle power mode
\$GPGSA,A,3,28,01,20,04,08,07,11,24 \$GPRMC,035521.227,A,2459.8856, <u>N,</u> \$GPGGA,035522.227,2459.8856,N,12 \$GPGSA,A,3,28,01,20,04,08,07,11,24 \$GPRMC,035522.227,A,2459.8856,N,	GPS Output data
Setup GPS INFO	
About 🗘	T ▲



4 BT-318 SPECIFICATION

4.1 System Specification

Electrical Characteristics (Receiver)	
Frequency	L1. 1575.42 MHz
C/A Code	1 023 MHz chip rate
Channels	12 channel all-in-view tracking
Accuracy	
Position Horizontal	10 meters 2D RMS
r ookion nonzonka	7 meters 2D RMS_WAAS corrected
	1-5 meters DGPS corrected
Velocity	
Time	1 micro-second synchronized to GPS time
Datum	
Datum	Default: WGS-84
Acquisition Rate	
Hot start	8 sec average
Warm start	38 sec average
Cold start	45 sec. average
Reacquisition	0.1 sec. average
Protocol	0.1 Sec. average
GPS Protocol	Default: NMEA 0183 (Secondary: SiRE binary)
GPS Output format	GGA(1sec) $GSA(1sec)$ $GSV(5sec)$ $BMC(1sec)$
Of O Output format	VTG(1sec), OOA(1sec), OOV(0sec), Nino(1sec),
Dynamic Condition	VIG(ISEC)
	less than Ag
Acceleration Limit	18,000 motors (60,000 foot) max
Velesity Limit	515 material(300,000 leet) max.
	20 m/sec^{*2}
	20% 60%
	$-20 \sim 00 \text{ C}$
Power	5 to 95% hon-condensing
	Baplaceable and reabargeable bettery and 5)/
voltage	DC input charging circuit
Operation Time	15 hours offer fully recharged in continuous made
Operation Time	20 hours, alter fully recharged, in continuous mode
Physical Characteristics	
	80mm x 52mm x 20mm
Dimension	0911111 X 3211111 X 3011111

4.2 Bluetooth Specification

Bluetooth V1.1 Complia	ant
Supply Voltage :	2.8V ~ 3.3V
Frequency Range :	2.402 ~ 2.480 GHz
Receiver Sensitivity :	-80 dBm
Transmit Power :	Class 2
Transmitting Range :	80 m (Open Space)
Power Consumption :	45 mA (Typical)

4.3 FCC Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1)This device may not cause harmful interference, and
- (2)This device must accept any interference received, including interference that may cause undesired operation .

FCC RF Exposure requirements:

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

5 How to get on internet by using GPRS Cradle

The GPRS Cradle is an extended device of BT-318; the main function of it is to make BT-318 connect to GPRS via Bluetooth.

5.1 Surfing on internet by using GPRS cradle with PC

5.1.1 setup Bluetooth for windows

5.1.1.1 Setup for Windows ME

Double click the Bluetooth icon at bottom right



Select "Advanced Configuration" under the Bluetooth on tools bar



Then you may see the Bluetooth Configuration folder

Iluetooth Configuration	×
General Accessibility Discovery Local Services Client Applications Hardware	
WIDCOMM Bluetooth Software 1.4.1 Build 6	
45-day Evaluation	
You have 45 days remaining on your evaluation.	
Enter a unique name for this computer. This name will be displayed to other Bluetooth devices if this computer is configured to allow itself to be discovered.	
Select a computer type from the drop-down menu. This selection determines the icon that represents this computer on remote devices.	
Computer name: TEST	
Computer type: Desktop	
OK Cancel Apply Help	

Switch to "Client Applications" then you can find the COM Port which is used by Bluetooth Serial Port,

Click OK and back to My Bluetooth Places

Bluetooth Configuration		<u>? ×</u>
General Accessibility Discovery L Specify how this computer will access Double-click an application name to s	ocal Services Client / services on other Blue et its security and edit	Applications Hardware etooth devices. its properties.
Application Name	Secure Connection	COM Port
Printer Headset PIM Synchronization Fax File Transfer PIM Item Transfer Dial-up Networking Network Access Bluetooth Serial Port	Not Required Not Required Required Required Required Required Required Required Required	СОМЗ
Properties	Add COM port	Delete COM port
ОК	Cancel	Apply Help

Select "Find Bluetooth Devices"



Then the BT-GPRS device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS" device, SPP service support will show up



Right clickand select "Connect to Bluetooth Serial Port"



Then "Bluetooth PIN Code Required" will show up



Click the bluetooth icon at bottom right, then "Bluetooth PIN Code Request" will show up, please enter "2003" for Bluetooth PIN code and click OK.

Bluetoot	n PIN Code Request	<u>?×</u>
P	Device Name:	BT-GPRS-TEST5
~	Before a connection can be above must be "paired."	established, this computer and the device
	The Bluetooth pairing proce future connections between encrypt the data that these	dure creates a secret key that is used in all these two devices to establish identity and devices exchange.
	To create the paired relation	nship, enter the PIN code and click OK.
	Bluetooth PIN Code:	***
	ОК	Cancel <u>H</u> elp

Finish Bluetooth Serial Port connecting

BT-GPR	S COM Port
Z	The Bluetooth serial port COM3 is now configured to connect to the device BT-GPRS-TEST5.
	The Application that will use this connection must be configured to use COM3.
	The application may be started at any time.
	Do not display this message again
	ОК

Open "Phone and Modem Options" from "Start" \rightarrow "Control Panel".



Click "Add…".

Aodems Properties	? ×
General Diagnostics	
The following modems are set up on this compu	iter:
Bluetooth Modem Bluetooth NULL Modem	
Add Remove Properties	
Dialing preferences	-1
Dialing from: New Location	
Click Dialing Properties to modify how your calls are dialed.	
<u>D</u> ialing Properties	
OK Car	ncel

Check "Don't detect my modem; I will select it from a list" and click "Next".

Install New Modem	
	 Windows will now try to detect your modem. Before continuing, you should: 1. If the modem is attached to your computer, make sure it is turned on. 2. Quit any programs that may be using the modem. Click Next when you are ready to continue. Image: Don't detect my modem; I will select it from a list.
	< Back Next > Cancel

Select "Standard 28800 bps Modem".

or if you have an inst	tallation disk, click Have Disk.
Manufacturers:	Models
[Standard Modem Types] 3COM AIWA British Telecom Dynalink Motorola International Octal	Standard 19200 bps Modem Standard 28800 bps Modem Standard 33600 bps Modem Standard 56000 bps K56Flex Modem Standard 56000 bps V90 Modem Standard 56000 bps X2 Modem
	Have Disk

Select COM Port the "Bluetooth Serial Port" used.

<u>88 99 99</u>	You have selected the following modem Standard 28800 bps Modem	:
	Select the port to use with this modem:	
	Bluetooth Serial Port (COM12) Bluetooth Serial Port (COM13) Bluetooth Serial Port (COM3)	
	Bluetooth Serial Port (COM4) Bluetooth Serial Port (COM5)	_
		2008
	< <u>B</u> ack Next >	Cancel

Finish.



Click "Properties"

Modems Properties	? ×
General Diagnostics	
The following modems are set up on this co	mputer:
Bluetooth Modem	
Bluetooth NULL Modem	
Standard 28800 bps Modem	
Add R <u>e</u> move P <u>r</u> ope	rties
Dialing preferences Dialing from: New Location	
Click Dialing Properties to modify how your calls a dialed.	re
Dialing Properties	
Close	Cancel

You could view the COM Port that modem uses in "Modem"

Standard 28800 bps Modem Properties	? ×
General Connection	
Standard 28800 bps Modem	
Port: Bluetooth Serial Port (CDM3)	
Low High	
Maximum speed	
OK	Cancel

- Copp			
Conn	ection p		
<u>D</u> a	ata bits:	8	
Pa	rity:	None	
Ste	op bits:	1	
Г	Cancel	I the call if not connected within	secs
Г	Discon	nect a call if idle for more than	mins

Choose "Advanced..." in "Connection" for advanced setting.

Key in "+cgdcont=1,"IP","INTERNET" " in "Extra settings" column and click "OK". (Attention! APN setting may vary according to different GPRS service firms. Please contact your GPRS service firms for exact APN.)

Advanced Connection Setting	1s ? ×
Use error control Use error control Required to connect Compress data Use cellular protocol	 ✓ Use flow control ● <u>H</u>ardware (RTS/CTS) ● <u>S</u>oftware (XON/XOFF)
- Modulation type-	
Extra settings +cgdcont=1,"IP","INTERNE1	["
☐ <u>A</u> ppend to log 	OK Cancel

5.1.1.2 Setup for Windows 2000

Double click the Bluetooth icon at bottom right



Select "Advanced Configuration" under the Bluetooth on tools bar



Then you may see the Bluetooth Configuration folder

Bluetooth C	onfiguration	? ×
General 🛛	Accessibility Discovery Local Services Client Applications Hardware	
	WIDCOMM Bluetooth Software 1.4.1 Build 6	
	45-day Evaluation	
- Identity	You have 45 days remaining on your evaluation.	
HELLO	Enter a unique name for this computer. This name will be displayed to other Bluetooth devices if this computer is configured to allow itself to be discovered.	
	Select a computer type from the drop-down menu. This selection determines the icon that represents this computer on remote devices.	
	Computer name: Sukon-Test	
	Computer type: Desktop	
	OK Cancel Apply He	lp

Switch to "Client Applications" then you can find the COM Port which is used by Bluetooth

Serial Port, Click OK and back to My Bluetooth Places

Human Inter			COM FOR	2.8. 22
	face Device.	Not Required		
Printer		Not Required		
Headset		Not Required		
PIM Synchro	onization	Required		
Fax		Required		
File Transfer	100-10 × 100000	Required		
PIM Item Tra	ansfer	Required		
Dial-up Netw	vorking	Required		
Network Acc	Cess	Required		
Bluetooth Se	erial Port	Required	COM6	

Select "Find Bluetooth Devices"



Then the BT-GPRS-XXXXX device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS-XXXXXX" device , SPP service support will show up



Right click and select "Connect to Bluetooth Serial Port"



Then "Bluetooth PIN Code Required" will show up



Click the bluetooth icon at bottom right, then "Bluetooth PIN Code Request" will show up, please enter "2003" for Bluetooth PIN code and click OK.

Bluetooth	PIN Code Request	<u>? ×</u>			
P	Device Name:	BT-GPRS-test			
~	Before a connection can be e above must be "paired."	stablished, this computer and the device			
	The Bluetooth pairing procedure creates a secret key that is used in all future connections between these two devices to establish identity and encrypt the data that these devices exchange.				
	To create the paired relations	hip, enter the PIN code and click OK.			
	Bluetooth PIN Code:	****			
	ОК	Cancel Help			

Finish Bluetooth Serial Port connecting

BT-GPRS	5 COM Port
Ż	The Bluetooth serial port COM6 is now configured to connect to the device BT-GPRS-test.
	The Application that will use this connection must be configured to use COM6.
	The application may be started at any time.
	Do not display this message again
	ОК

Open "Phone and Modem Options" from "Start" \rightarrow "Control Panel".



Phone And Modem Option	15		? ×
Dialing Rules Modems A	dvanced		
The list below dis location from whic Locations:	plays the locations yo ch you are dialing.	u have specifie	d. Select the
Location		Area Code	
O My Location		2	
	New	Edit	Delete

Click "Add..."in "Modem".

Phone And Modem Options	<u>?</u> ×
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
Add Remove Pro	perties
OK Cancel	Apply

Check "Don't detect my modem; I will select it from a list" and click "Next".



Select "Standard 28800 bps Modem".

Select the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk. Ianufacturers: (Standard Modem Types) 3Com 3X Acceex Accer Acce	Install New Modem		E.
anufacturers: Models: Standard Modem Types) 3Com 3C	Select the manufacture have an installation dis	er and model of your modem. If your modem is not k, click Have Disk.	listed, or if you
Standard Modem Types) Com X Acceex Accer Standard 28900 bps Modem Standard 28900 bps Modem Standard 56000 bps K56Flex Modem Standard 56000 bps V90 Modem Standard 56000 bps X2 Modem Have Disk	anufacturers:	Models:	
Kandard 20000 bps Modern Kandard 33600 bps Modern Standard 33600 bps Modern Standard 56000 bps X56Flex Modern Standard 56000 bps V90 Modern Standard 56000 bps X2 Modern Have Disk	Standard Modern Types)	Standard 19200 bps Modern	
Standard 56000 bps K56Flex Modem Standard 56000 bps V90 Modem Standard 56000 bps X2 Modem Have Disk	K	Standard 20000 bps Modern	
Standard 56000 bps V90 Modem Standard 56000 bps X2 Modem Have Disk	ceex	Standard 56000 bps K56Flex Modem	
Have Disk	icer	Standard 56000 bps V90 Modem	
Have Disk		Standard Soudo bps Az Modelli	
			Have Disk

Select COM Port the "Buletooth Serial Port" used.

Add/Remove Hardware	Wizard
Install New Modem Select the port(s) yo	u want to install the modem on.
	You have selected the following modem:
	Standard 28800 bps Modem
	On which ports do you want to install it?
	C All ports
MARKED	Selected ports
	COM1 COM5
ADD NO.	COM6
A DECEMBER OF THE OWNER OWN	
A DECEMBER OF	
	< Back Next > Cancel

Finish.

dd/Remove Hardware (Install New Modem Modem installation is	Wizard s finished!
	Your modem has been set up successfully. If you want to change these settings, double-click the Phone and Modem Options icon in Control Panel, click the Modems tab, select this modem, and then click Properties.
	< Back Finish Cancel

Click "Properties"

hone And Modem Options		
Dialing Rules Modems Advanc	ed	
The following modems	are installed:	
Modem	Attached To	
📚 Standard 28800 bps Modem	I COM6	
Ad	ld Remove Properties	
	OK Cancel Apply	

General Modem Diagnostics Advanced ort: COM14 Speaker volume Low High Low High Maximum Port Speed I15200 Dial Control	Driver	Resource	es Powe	r Management
ort: COM14 Speaker volume Low High Maximum Port Speed 115200 Dial Control Wait for dial tone before dialing	General	Modem	Diagnostics	Advanced
Speaker volume Low High Maximum Port Speed III5200 Dial Control Wait for dial tone before dialing	ort: COM14			
High Maximum Port Speed	Speaker volur	ne		
Maximum Port Speed	opeaner voidi			
Maximum Port Speed	Low		High	
Maximum Port Speed				
III5200 Dial Control Image: Wait for dial tone before dialing	Maximum Port	Speed		
I15200 Dial Control Wait for dial tone before dialing				
Dial Control				
Dial Control	115	200	·····	
Wait for dial tone before dialing	115	200		
Wait for dial tone before dialing	115	200		
	115 Dial Control —	200		
	Dial Control —	200 Vait for dial tone b	Defore dialing	
	 Dial Control — □ \/	200 /ait for dial tone b	Defore dialing	
	 Dial Control — □ ∨	200 Vait for dial tone t	Defore dialing	
	 Dial Control — ∨	200 Vait for dial tone b	vefore dialing	

You could view the COM Port that modem uses in "Modem".

Key in "+cgdcont=1,"IP","INTERNET" " in "Extra settings" of "Advanced" and click "OK".

(Attention! APN setting may vary according to different GPRS service firms. Please contact your GPRS service firms for exact APN.)

Driver	Resource	s Powe	r Management
General	Modem	Diagnostics	Advanced
xtra Settings			
- Ivtra initializat	ion commands:		
+cadcopt=1	"IP" "INTERNET"		_
+cgucont=1,			
	Ac	Ivanced Port Settings	
	Ac	Ivanced Port Settings	
	Ac Chan	lvanced Port Settings ge Default Preference	35
	Ac	Ivanced Port Settings ge Default Preference	s

5.1.1.3 Setup for Windows XP

Please make sure that Bluetooth CF card/Dongle has been fitted and work properly

Double click the Bluetooth icon at bottom right

Bluetoot	h on TEST-6G	JW6C8WQK
	14	11:48 AM
	1	11:48 AM

Select "Advanced Configuration" under the Bluetooth on tools bar



Then you may see the Bluetooth Configuration folder

Bluetooth Configuration 🔹 💽 🔀							
General	Accessibility	Discovery	Local Services	Client Applications	Hardware		
	WIDCOMM Bluetooth Software 1.4.1 Build 6						
			45-day Eivaluation	l l			
- Identit	You have 45 days remaining on your evaluation.						
	Enter a un other Blue discovered	ique name fo tooth device 1.	or this computer. s if this computer i	This name will be dis is configured to allow	played to i tself to be		
	Select a computer type from the drop-down menu. This selection determines the icon that represents this computer on remote devices.						
	Computer name: TEST-6GJW6C8WQK						
	Computer type: Desktop						
		ОК	Cancel	Apply	Help		
Switch to "Client Applications" then you can find the COM Port which is used by Bluetooth Serial Port

Bluetooth Configuration			? 🛛
General Accessibility Discove Specify how this computer will a Double-click an application nam	ry Local Services ccess services on of e to set its security a	Client Applications her Bluetooth device and edit its properties	Hardware
Application Name	Secure Con	nection COM Port	
Human Interface Device. Printer Headset PIM Synchronization Fax File Transfer PIM Item Transfer Dial-up Networking Network Access	Not Required Not Required Required Required Required Required Required Required	1	
Bluetooth Serial Port Properties	Required Add C	COM4	e COM port
40	Cancel	Apply	Help

Select Search For Devices under Bluetooth



Then the BT-GPRS device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS" device, SPP service support will show up



Right click and select "Connect to Bluetooth Serial Port"



Then "Bluetooth PIN Code Required" will show up



Click the bluetooth icon at bottom right, "Bluetooth PIN Code Request" will show up, please enter "2003" for Bluetooth PIN code and click OK.



Finish Bluetooth Serial Port connecting



Open "Phone and Modem Options" from "Start" \rightarrow "Control Panel".



Click "Add..."in "Modem".

Phone and Modem Options	? 🗙
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
Add Remove Pr	operties
OK Cancel	Apply

Check "Don't detect my modem; I will select it from a list" and click "Next".

Add Hardware Wizard
Install New Modem Do you want Windows to detect your modem?
 Windows will now try to detect your modem. Before continuing, you should: If the modem is attached to your computer, make sure it is turned on. Quit any programs that may be using the modem. Click Next when you are ready to continue. Image: Don't detect my modem; I will select it from a list.
< Back Next > Cancel

Select "Standard 33600 bps Modem".

Add Hardware Wizard	
Install New Modem	₹ S
Select the manufacturer have an installation disk,	and model of your modem. If your modem is not listed, or if you click Have Disk.
Manufacturer	Models
(Standard Modern Types)	Standard 19200 bps Modem
	Standard 28800 bps Modern
	Standard 56000 bps Modern
This driver is digitally signed. <u>Tell me why driver signing is ir</u>	Have Disk
	< Back Next > Cancel

Select COM Port the "Buletooth Serial Port" used.

Add Hardware Wizard	
Install New Modem Select the port(s) you	want to install the modem on.
	You have selected the following modem:
	Standard 33600 bps Modem
	On which ports do you want to install it?
	C All ports
the state of the	Selected ports
	COM1 COM3
ADD.	COM4
C. Barnetter	
	< Back Next > Cancel

Finish.

Add Hardware Wizard	
Install New Modem Modem installation is fin	ished!
	Your modem has been set up successfully. If you want to change these settings, double-click the Phone and Modem Options icon in Control Panel, click the Modems tab, select this modem, and then click Properties.
	K Back Finish Cancel

Click "Properties"

Phone and Modem Options	
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
Standard 33600 bps Modem COM4	
Add Remove Properties	<u> </u>
OK Cancel Apply	

Standar d	56000 bps Modem Properties 🛛 🛛 🛛 🔀
General	Modem Diagnostics Advanced Driver
Port: C	юм4
~ Speak	Off
~ Maxim	um Port Speed
- Dial Co	ontrol
	OK Cancel

You could view the COM Port that modem uses in "Modem".

Key in "+cgdcont=1,"IP","INTERNET" " in "Extra settings" of "Advanced" and click "OK".

(Attention! APN setting may vary according to different GPRS service firms. Please contact your GPRS service firms for exact APN.)

Standard 33600 bps Modem Properties	? 🗙
General Modem Diagnostics Advanced Driver	
Extra Settings	
Extra initialization commands:	
+cgdcont=1,"IP","INTERNET"	
Change Default Preferences	
ОК Са	ncel

5.1.2 Wireless networking GPRS setting for windows

5.1.2.1 Wireless networking GPRS setting for Windows ME

Open Dial-up Networking setting.



Choose "Make New Connection".



Key in the name you want to establish.

<u>I</u> ype a name for the co My Connection Select a <u>d</u> evice:	mputer you are dialing: 00 bps Modem
< <u>B</u> ack	Next > Cancel

Key in telephone number.

(Attention ! Telephone number may vary according to different GPRS service firms. Please contact your GPRS service firm for exact number.)

Make New Connection	×
	Type the phone number for the computer you want to call: Area code:elephone number:
	< <u>B</u> ack <u>N</u> ext > Cancel

Dial-up Networking connection is completed.



The dial-up connection you just established "My Connection" shows on your desktop. Double-Click the Icon for dial-up.



Key in "User Name" and "Password" and click "Connect".

(Attention ! "User Name" and "Password" may vary accroding to different GPRS service firms. Please contact your GPRS service firm for exact number.)

	My Connection
<u>U</u> ser name:	123
Password:	***
	C Shug parament
	1 Dave hassword
2	Connect automatically
Phone <u>n</u> umber:	Gonnect automatically *99#

Windows will start to dial.

When finished, it is connected to Internet.



This instruction offers common setting steps for GPRS.

Different GPRS suppliers may have different setting requirements.

You may need an appointed DNS in some case.

If you cannot connect to the network, you need to contact your ISP provider to get the correct setting steps.

After that, you may just double-click the icon for reconnection dial-up.

IF BT-318cradle is not the only BT SPP device, you may need to connect Bluetooth Serial Port manually.

Steps are as follow:

Double click the Bluetooth icon at bottom right



Select "Find Bluetooth Devices"



Then the BT-GPRS-XXXXX device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS-XXXXXX" device; SPP service support will show up



Right click and select "Connect to Bluetooth Serial Port"



5.1.2.2 Wireless networking GPRS setting for Windows 2000

Open "Network and Dial-up Connections" from "Start \rightarrow Setting".

Double-click "Make New Connection"



Click "Next" to continue.

Connection Wizard
ork Connection Type ou can choose the type of network connection you want to create, based on ur network configuration and your networking needs.
Dial-up to private network Connect using my phone line (modem or ISDN).
Dial-up to the Internet Connect to the Internet using my phone line (modem or ISDN).
Connect to a private network through the Internet Create a Virtual Private Network (VPN) connection or 'tunnel' through the Internet.
Accept incoming connections Let other computers connect to mine by phone line, the Internet, or direct cable.
Connect directly to another computer Connect using my serial, parallel, or infrared port.
< Back Next > Cancel

Key in telephone number.

(Attention ! Telephone number may vary accroding to different GPRS service firms. Please contact your GPRS service firm for exact number.)

Click "Next" to continue.

twork Connection Wi	zard
Phone Number to D You must specify th connect to.	ial ne phone number of the computer or network you want to
Type the phone nu your computer to de dialing rules.	mber of the computer or network you are connecting to. If you want etermine automatically how to dial from different locations, check Use
Area code:	Phone number:
1	<u>▼</u> *99#
Country/region (oode:
l 🔽 Use dialing r	ules
	< Back Next > Cancel

Click "Next" to continue.

Connection Availability	n available to all users	or just upurcelf	S
Tou may make the new connection	n avaliable (o ali users,	or just yoursell.	Sec. 1
You may make this connection ava connection stored in your profile wi	ailable to all users, or ke Il not be available unles	ep it only for your o s you are logged o	wn use. A n.
Create this connection:			
For all users			
C Only for myself			
		1	

Key in the name.

(You can also click "Add a shortcut to my desktop")

Click "Finish" to complete setting.



The dial-up connection you just established shows on your desktop. Double-click the Icon for dial-up.

Key in "User Name" and "Password" and click "Dial".

(Attention ! "User Name" and "Password" may vary accroding to different GPRS service firms. Please contact your GPRS service firm for exact number.)

onnect Dial-u	p Connection	<u>?</u> ×
	1 /	PX
		X
-		1
User name:	123	<u> </u>
Password:	xxx	
	, ▼ Save password	
Dial:	*99#	
Dial	Cancel Properti	es Help

Windows will start to dial.

When finished, it is connected to Internet.

Connecting Dial-up Connection		
	Opening port Cancel	

This instruction offers common setting steps for GPRS.

Different GPRS suppliers may have different setting requirements.

You may need an appointed DNS in some case.

I f you cannot connect to the network, y ou need to contact your ISP provider to get the correct setting steps.

After that, you may just double-click the icon for reconnection dial-up. IF BT-318 CRADLE is not the only BT SPP device, you may need to connect Bluetooth Serial Port manually. Steps are as follow:

Double click the Bluetooth icon at bottom right



Select "Find Bluetooth Devices"



Then the BT-GPRS-XXXXX device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS-XXXXXX" device , SPP service support will show up



Right click and select "Connect to Bluetooth Serial Port"



5.1.2.3 Wireless networking GPRS setting for Windows XP

Open "Network and Internet Connections" from "Start \rightarrow Control Panel". Choose "Create a connection to the network at your workplace".



Please fill in the information if you have not done it and click "OK" to continue.

Location Information	?×
	Before you can make any phone or modem connections, Windows needs the following information about your current location. What country/region are you in now?
1 AC	United States
KX	What area code (or city code) are you in now?
	If you need to specify a carrier code, what is if?
	If you dial a number to access an outside line, what is it?
	The phone system at this location uses:
	● Tone dialing
	OK Cancel

Choose "Dial-up connection" and click "Next" to continue.



Key in the name for connection and click "Next" to continue.

🗟 New Connection Wizard	×
Connection Name Specify a name for this connection to your workplace.	D
Type a name for this connection in the following box. Company Name	
GPRS	
For example, you could type the name of your workplace or the name of a server you will connect to.	
< Back Next > Cancel	

Key in telephone number.

(Attention ! Telephone number may vary according to different GPRS service firms. Please contact your GPRS service firm for exact number.)

Click "Next" to continue.

📴 New Connection Wizard	
Phone Number to Dial What is the phone number you will use to make	this connection?
Type the phone number below. Phone number:	
*99#	
You might need to include a "1" or the area you need the extra numbers, dial the phone hear a modem sound, the number dialed is o	code, or both. If you are not sure number on your telephone. If you correct.
	< Back Next > Cancel

Click "Finish" to complete setting.

(You can also click "Add a shortcut to this connection to my desktop")



The dial-up connection shows on your desktop if you chose "Add a shortcut to my desktop". Double-click the Icon for dial-up.



Key in "User Name" and "Password" and click "Dial".

(Attention ! "User Name" and "Password" may vary accroding to different GPRS service firms. Please contact your GPRS service firm for exact number.)

Connect GPRS	;		
User name:	123		
Password:	•••		
 Save this user name and password for the following users: Me only Anyone who uses this computer 			
Dial:	*99#		
Dial	Cancel Properties Help		

Windows will start to dial.

When finished, it is connected to Internet.

Connecting GPRS		
3	Opening port Cancel	

This instruction offers common setting steps for GPRS.

Different GPRS suppliers may have different setting requirements.

You may need an appointed DNS in some case.

I f you cannot connect to the network, y ou need to contact your ISP provider to get the

correct setting steps.

After that, you may just double-click the icon for reconnection dial-up. IF BT-318 CRADLE is not the only BT SPP device, you may need to connect Bluetooth Serial Port manually. Steps are as follow:

Double click the Bluetooth icon at bottom right



Select "Find Bluetooth Devices"



Then the BT-GPRS-XXXXX device can be searched out (if no one can be found, please check the bluetooth hardware)



Double click "BT-GPRS-XXXXXX" device , SPP service support will show up



Right click and select "Connect to Bluetooth Serial Port"



5.1.3 setup bluetooth for Pocket PC

STEP 1:

Tap Bluetooth Manager.



STEP 2:

 Tap New, Connect!.

 Image: I

STEP 3:

Select Explore a Bluetooth device . Tap Next .



STEP 4:

Tap Top here to choice a device .

87	Connection Wizard 🛛 📢 12:45			
*	Connection Wizard Explore a Bluetooth device			
De	vice:			
CNo device selected> Tap here to choose a device				
How to use this screen To select a device, tap inside the device selection box above. After the list appears, choose a device.				
Tap 'Next' to continue or 'Back' to return to the previous screen. To exit this wizard without completing the connection, tap 'Cancel'.				
. (Cancel Back Next			
	₩ *			

STEP 5:

Select BT-GPRS -XXXXXX.



STEP 6:

Tap Next.



STEP 7:

To set the security settings to low (to connect this device no paired) ,tap Next .

Connection Wizard Explore a Bluetooth device BT-GPRS-999999 Security Settings Move the slider to set the security level for connections with this remote device. - Low Authentication disabled Encryption disabled Connections can be made without requiring a passkey. Cancel Back Next	🎊 Coni	nection Wizard	4 € 12:47	
BT-GPRS-999999 Security Settings Move the slider to set the security level for connections with this remote device. - Low Authentication disabled Encryption disabled Connections can be made without requiring a passkey. - Cancel Back Next	Ex	pinnection Wizar plore a Bluetooth de	r d evice	
Security Settings Move the slider to set the security level for connections with this remote device. - Low Authentication disabled Encryption disabled - Connections can be made without requiring a passkey. - Back Next	BT-GPRS-999999			
Move the slider to set the security level for connections with this remote device.	- Securit	y Settings		
 Low Authentication disabled Encryption disabled Connections can be made without requiring a passkey. Cancel Back Next 	Move the connecti	e slider to set the se ons with this remote	ecurity level for e device.	
- Landowski - Authentication disabled Encryption disabled Connections can be made without requiring a passkey. Cancel Back Next	- - Lo	w		
Encryption disabled Connections can be made without requiring a passkey. Cancel Back Next	A	uthentication disable	ed	
Connections can be made without requiring a passkey. Cancel Back Next	Er	ncryption disabled		
Cancel Back Next		oppertions can be n	ade without	
Cancel Back Next	re	quiring a passkey.	iddo michodi	
Cancel Back Next				
	Cancel Back Next			
			- E	

STEP 8:

Select BT-GPRS COM Port. Tap Next .

🎊 Connection Wizard 🛛 📢 12:47
Connection Wizard Explore a Bluetooth device
🞯 BT-GPRS-999999
- Service Selection
BT-GPRS COM Port
Please select the service(s) offered by this device you would like to create connection shortcuts for.
Cancel Back Next
™

STEP 9:

Tap Finish.



🛱 TWGALAGA Programs

🚡 Find 🕜 Help

4o 🚯

STEP 11:

Tap Bluetooth.



STEP 12:

You may see the COM Port used by Bluetooth.

🎊 Settings	4 € 12:49 🐽
Bluetooth: Serial Po	rt
About this service Enable service	quired
Authentication (I	Passkey) required
Ports Inbound COM Port: Outbound COM Port	6
Information Exchange	Serial Port Dial-U
	₩

STEP 13:

Tap Start, SppModem.



STEP 14:

Select the COM Port used by Bluetooth, Tap Create .

🏂 SppM	odem	◀€ 12:51	•
	SppModem Mak	er V1.0	
Ple	ase choice a con	II PUIL	
	DM7:Serial7	•	
	Create		
Tools			=

STEP 15:

Tap <mark>Yes</mark> .	
🎊 SppModem 🛛 📢 1	2:52
SppModem Maker V1.	0
SppModem Maker	
Create Einish, Auto Reset	?
Create	
Tools	-

5.1.4 setup for Pocket PC 2002

STEP 1:

Tap Start, Settings.



STEP 2: Tap Connections .



STEP 3:

Tap Connections icon.



STEP 4:

Select Internet Settings.



STEP 5:

Tap Modify....

🏂 Set	ting	5		4 € 2:58	•
Conne	ction	s			
	Whe to Th	n needeo ne Intern	l, automa et using t	tically conr hese settin	iect igs:
	Inte	ernet Se	ttings		-
			Modify	. Conne	ect
	Whe to W	n needeo 'ork using	l, automa I these se	tically conr ttings:	iect
-	Wo	rk Settir	ngs		-
			Modify	. Conne	ect
20	My r Wo	ietwork c rk	ard conne	ects to:	•
Connect	ions	Dialing L	ocations		
				I	≝ ^

STEP 6:

In the Internet Settings window, tap New....

Sectings		2:59
nternet Se	ttings	
Create a conn existing conne	nection, or tap and hold action and select a desi	l on an red actio
Name	Number	
vew	-	
When dialing:	Automatically dial the number	best
Vhen dialing: eneral Mode	Automatically dial the number	best

STEP 7:

Insert a name for connection and select a modem from the modem menu. Set the Baud rate to 115200 and tab the Advanced....

🎊 Settings	
Make New Connec	tion
Enter a name for the My Connection	connection:
GPRS SPP Modem	,
Baud rate: 115200 V	Advanced
Cancel	Back Next
	≡ *

STEP 8:

Disable all checkbox on Terminal. And Data Bits set 8, Parity set None, Stop Bits set 1, Flow Control Hardware and tab Ok.

🎊 Settings	5		:43 🐽
Advanced			
Connection	prefere	nces	
Data Bil	ts:	8	•
Parit	ty:	None	•
Stop Bil	ts:	1	•
Flow Contr	ol:	Hardware	e 🔻
Terminal			
Ise termi	inal befor	e connecting	
se termi	inal after	connecting	
Ther dial	ling comm	nands manually	
Port Settings	TCP/IP	Name Servers	
			-

STEP 9:

Make sure use server-assigned IP addresses is selected and then tab Name Servers.

🎊 Settings	4	€ 3:01	•
Advanced			
🜔 Use server-assign	ed IP addres	s	
O Use specific IP add	lress		
Use Slip			
Use software com	oression		
Use IP header com	pression		
		_	
Port Settings TCP/IP	Name Serve	ers	
		6	≝ ^

STEP 10:

Make sure use server-assigned addresses is selected and tab ok.

🎊 Settings				3:02 🐽
Advanced				
Use server-a Use specific	assigne server	ed ado r addre	resses ess	
DNS:		i.]
Alt DNS:				
WINS:]
Alt WINS:				
Port Settings T	IP/IP	Name	e Servers	
				E
STEP 11:

Tab Next.

🎊 Settings	√ € 3	:03
Make New Connect	tion	
Enter a name for the	connection:	
My Connection		
Select a modem:		
GPRS SPP Modem		•
Baud rate: 115200 - Cancel	Advan Back	ced Yext
		-

STEP 12:

Leave country code and Area code blank and enter the phone number *99# in phone number . And tab Next .

🎊 Settings	∢ € 3:11
My Connection	
Country code:	
Phone number: *997	
Cancel	Back Next
	₩

STEP 13:

Key in +cgdcont=1,"ip","internet" in the extra dial-string modem commands and tab finish .

87	Settings	↓ € 3:14
Му	Connection	
Cancel call if not connected within 120 seconds Wait for dial tone before dialing Wait for credit card tone Extra dial-string modem commands:		
(+0	gdcont=1,"ip",	"internet"
	Cancel	Back Finish
		E A
511	EP 14:	
SII Tab	EP 14: ok. Settings	≼ € 3:17 💽
SII Tab	2P 14: o <mark>k .</mark> Settings sernet Settings	4 € 3:17 <mark>@</mark>
Tab	2P 14: ok. Settings sernet Settings sate a connection sting connection a	, or tap and hold on an and select a desired action.
Tab	CP 14: ok. Settings cernet Settings cate a connection sting connection a ame 1 connection	, or tap and hold on an and select a desired action. Number
SIII Tab	CP 14: ok. Settings sernet Settings sate a connection sting connection ame 1 aw Connection en dialing: Autor numb	A Start Constraints of the set of
SII Tab	CP 14: ok. Settings sernet Settings sate a connection sting connection a ame 1 ame 1 ew Connection en dialing: Autor numb eral Modem	Image: second select a desired action. Number matically dial the best er

STEP 15:

Tab Dialing Locations .



STEP 16:

Select Disable call waiting and tab Dialing Patterns...

🏂 Settin	igs	
Connectio	ons	
Location:	Work	•
	New	Remove
Local Set	tings	
Area	code: 425 🤅) Tone dialing
Countr	ry code: 1) Pulse dialing
🔲 Disable	call waiting; c	lial 🗾 🔻
	Diali	ing Patterns
Connections	s Dialing Location	s
		- E

STEP 17:

Key in G in all columns and tab ok.

🎊 Settings	4 € 3:19	ok
Dialing Patterns		
For local calls, dial:		_
G		
For long distance calls, dial:		
G		
For international calls, dial:		
G		
(E,e = country code; F,f = area number)	a code; G,g	=
Edit	E	≝ ^

STEP 18: Tab ok to finish setting .

🎊 Settir	igs	4 € 3:20 🔯
Connectio	ons	
Location:	Work	•
	New	Remove
Local Set	tings	
Area	code: 425 🤅	Tone dialing
Counti	ry code: 1) Pulse dialing
🗌 Disable	call waiting; (dial 🗾
	Dial	ing Patterns
Connection	s Dialing Location	IS
		₩

STEP 1:	
Tab <mark>Start</mark> and	tab <mark>settings</mark> .



STEP 2:

Tap Connections.



STEP 3: Tab Connections button.

🎊 Sett	ings		◀€ 10:35 ⊗
2			1 1
Avant(Connec	50 ct	Beam	Connections
2			
Networ	'k		
марсе	15		
		I	
Personal	System	Connectio	ons
			▲

STEP 4:

Tab Connect to connect GPRS system.



STEP 5:

Then you would see a window as below, select the device with "BT-GPRS-XXXXXX"



This instruction offers common setting steps for GPRS.

Different GPRS suppliers may have different setting requirements.

You may need an appointed DNS in some case.

I f you cannot connect to the network, y ou need to contact your ISP provider to get the correct setting steps.

5.1.6 Setup and connect to GPRS network for Pocket PC 2003

STEP 1:

Tap Start, Settings to set up the dialing parameters.



STEP 2:

Select Add a new modem connection .



STEP 3:

Key in the name for connection and select a modem name which is "GPRS SPP MODEM".

🎊 Settings	#	4 € 3:23
Make New Connec	tion	3
Enter a name for the	connection	1:
My Connection		
Select a modem:		
GPRS SPP Modem		-
Cancel	Back	Next
123 q w e r	t y u	i o p 🔶
Tabasd f	g h j	k I
Shift Z X C Y	b n I	m ; ' ←
Ctláü @ &		, . 1 ?

STEP 4:

Key in the phone number ***99#** and tab Next button.

ء 🔊	Settings	- # -	€ 3:23
My 0	onnection		3
Enter dialec an ou	the number ex d. Include any e utside line or cre	actly as it sho extra number dit card,	ould be s, such as
*99	#		
If yo	u travel or char dialing rules	nge area code	es often,
<u>use</u> (Cancel	Back	Next

STEP 5:

Key in the User name and Password but leave Domain blank and to tab Finish.

🎊 Settings	- #P	€ 3:24
My Connection		8
User name:		
Password:		
Domain:*		
* If provided by ISP	or network a	administrator.
	A	dvanced
Cancel	Back	Finish
		

STEP 6:

Tab the 🗮 Icon to start the dialing program.



STEP 7:

Tab the phone number *99# icon to connect to GPRS system.



STEP 8:

Tab Hide button to close this window .



STEP 9:

Then you would see a window as below, select the device with "BT-GPRS-XXXXXX"



This instruction offers common setting steps for GPRS.

Different GPRS suppliers may have different setting requirements.

You may need an appointed DNS in some case.

I f you cannot connect to the network, y ou need to contact your ISP provider to get the correct setting steps.

5.1.7 GPRS Connections Operators Information

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=213.162.64.2

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 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

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

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.MYCINGULAR.COM Password= ZXY203DC9K0402 APN=ISP.CINGULAR

[**Rogers AT&T**] APN=internet.com Username=wapuser1 Password=wap

[Voicestream] APN=internet2.voicestream.com