



maestro 100

Lite Ext

Windows 98 GPRS Connection Setup Guide

Rev. 00

Revision history

Rev.	Date	Details	Originated by
00	22 Feb 2007	First release	Wallace Lee

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Besides, our company stresses the fact that the performance of the product as well as accessories depends not only on the proper conditions of use, but also on the environment around the places of use.

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1. INTRODUCTION

This document describes how to use Maestro 100 and a PC with Windows 98 to make a GPRS Internet Dial-up.

1.1 Setup requirement

The following items are necessary for the setup:

- Maestro 100 / Ext /Lite with PC cable and power supply (Maestro 100 ECO not supported)
- PC with Windows 98 installed, and a free RS-232 port
- A SIM card with GPRS service subscribed

2. CONFIGURATING Maestro 100

2.1 Setting up HyperTerminal

Refer to Chapter 2 and 3 of Maestro 100 USER GUIDE, set up Maestro 100 and Windows98 HyperTerminal. Make sure the modem is ready to receive commands.

2.2 Setting serial port speed

On the HyperTerminal, enter command : AT+IPR=115200; &W<ENTER>

Note: after entering this command the modem serial port speed will be permanently set at 115200bps.

Now you can close the HyperTerminal

* If your modem has been configured to 115200bps already before, skip this step.



3. ADDING A MODEM TO WINDOWS 98

3.1 On Windows 98, Choose "**Start**", then choose "Control Panel folder

3.2 Double click the 'Modem' icon



3.3 If your system have no modem installed it will show the 'Install New Modem' dialogue box, otherwise it will show 'Modem Properties' (see) You can then press 'Add' button

3.4 On '**Install New Modem**' dialogue box, click '**Don't detect my modem**'. Then press '**Next**'



3.5 Choose '**Standard 19200bps Modem**', then press '**Next**'

Install New Modem Click the manufacturer or if you have an install	and model of your modem. If your modem is not listed, ation disk, click Have Disk.
Manufacturers: (Standard Modem Types) (VoiceView Modem Types) 3Com 3K Accton Technology Corpore Aceex	Modejs Standard 300 bps Modem Standard 1200 bps Modem Standard 2400 bps Modem Standard 9600 bps Modem Standard 14400 bps Modem Standard 19200 bps Modem
	J Standard 28800 bns Modem <u>H</u> ave Disk < <u>B</u> ack Next > Cancel

3.6 Choose the COM port where the Maestro 20 / Maestro 100 connected, then press '**Next**'



3.5 Now the modem has been installed. You can press '**OK**'



4. MAKING A DIAL-UP NETOWORKING

4.1 On Windows 98, go to 'Accessories' → 'Communication' → 'Dial-up Networking'

4.2 Double click 'Make a New Connection'



4.3 Type the name of the dial-up profile as you want

4.4 Choose the '**19200 bps modem**' and press '**Configure**'



4.5 Choose the 'Maximum speed' to '115200'

4.6 Click 'Connection' tab

4.7 Press 'Advanced' button

4.8 On 'Extra settings', type the APN
information here. (Consult your Network
Operator for the correct APN settings)
Common setting is :
+CGDCONT=1,"IP","INTERNET"

4.9 Use Hardware flow control, then press ' \mathbf{OK} '

4.10 Close all modem properties dialog box by pressing '**OK**'s and go back to the '**Make new connection**' (sec. 4.3). Then press '**Next** '

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Extra setting: +CGDCON	s IT=1,''IP'', ''INTERN	ET''	
, E <u>x</u> tra settings [+CGDCON [] <u>A</u> ppend	s IT=1,"IP", "INTERN I to log	ET''	

4.10 On the '**Telephone number**' type '***99******1#**'. Then press '**Next**'



4.11 Press '**Finish**' and you have made a GPRS dial-up profile.

However you need to edit some more settings.

4.12 Right-click the just-made GPRS dialup icon. Then choose '**Properties**'



< <u>B</u>ack

Finish

Cancel

- 4.13 Uncheck the 'Use area code' option
- 4.14 Press 'Server Types' tab



- 4.15 Uncheck ALL options EXCEPT '**TCP/IP**' option
- 4.16 Press the 'TCP/IP Settings' button

4.17 Uncheck the 'Use IP header	TCP/IP Settings
compression ' option 4.18 Then close all dialog boxes by pressing ' OK 's.	Server assigned IP address Specify an IP address IP address: O O O O
Now you have finished the setup of GPRS DUN.	 Server assigned name server addresses Specify name server addresses Primary DNS: Secondary DNS: Secondary WINS: Seco
4.19 Now you can make a GPRS dial-up by double-click the GPRS icon.Remember to leave User name and password blank on connection (or refer to your network operator's instruction)	Connect To ? × GPRS User name: Password: Save password

 Phone number:
 *99***1#

 Dialing from:
 New Location

-

Cancel

Connect

5. Trouble shooting

Problem	Action
Dial-up Networking reports modem is no responding	Check if the modem is ready, LED is flashing slowly
	Check the serial port setting of Maestro and Windows modem device
	Check connection cable
	Check if the modem is used by another program
Dial-up not successful	Check if GPRS service ready from the network
	Try entering command: AT+CGQREQ=1,0,0,3,0,0 by using HyperTerminal
Dial-up successful, but disconnect immediately	Check APN setting, consult your network operator
Dial-up successful, but cannot access the	Check your Windows' Internet settings
Internet	Check signal strength Note : Dial-up Networking will NOT drop even signal is lost; it will try to recover soon