



Quectel Cellular Engine

GPRS Setup

GPRS_Setup_V1.00



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0. Revision history

Revision	Date	Author	Description of change
1.00	2009-06-27	Jean HU	Initial

1. Introduction

This document describes how to establish a PPP connection with Microsoft Windows NT4.0 using the prototype of GSM/GPRS. Configurations and settings for other operating systems (Windows 95/98) may slightly differ, but the general process is similar.

1.1. Reference

Table 1: Reference

SN	Document name	Remark
[1]	M10_ATC_V1.00	
[2]	RFC 1661 – The Point-to-Point Protocol (PPP)	
[3]	RFC 1994 –PPP Challenge Handshake Authentication Protocol (CHAP)	

1.2. Terms and abbreviations

Table 2: Terms and abbreviations

Abbreviation	Description
APN	Access Point Name
CHAP	Challenge Handshake Authentication Protocol
CID	Context Identity
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name Server
DSB	Developer Support Box
GPRS	General Packet Radio Service
GSM	Global System of Mobile Communication
IP	Internet Protocol
OS	Operating System
PDP	Packet Data Protocol
PIN	Personal Identification Number
PPP	Point to Point Protocol
QoS	Quality of Service
RAS	Remote Access Service
ROM	Read Only Memory
SIM	Subscriber Identity Module
TCP	Traffic Control Protocol

2. What You Need

2.1. GPRS setting from your network provider

Before you set up your device to access the GPRS network, contact your network provider to obtain the GPRS service.

2.2. Modem installation and configuration

You will need to set the modem configuration. Follow the steps in chapter 3.

Note:

Administrator rights for the operation system may be needed in order to set the modem configuration. Connect your local system administrator for advice.

2.3. Dial-Up network installation and configuration

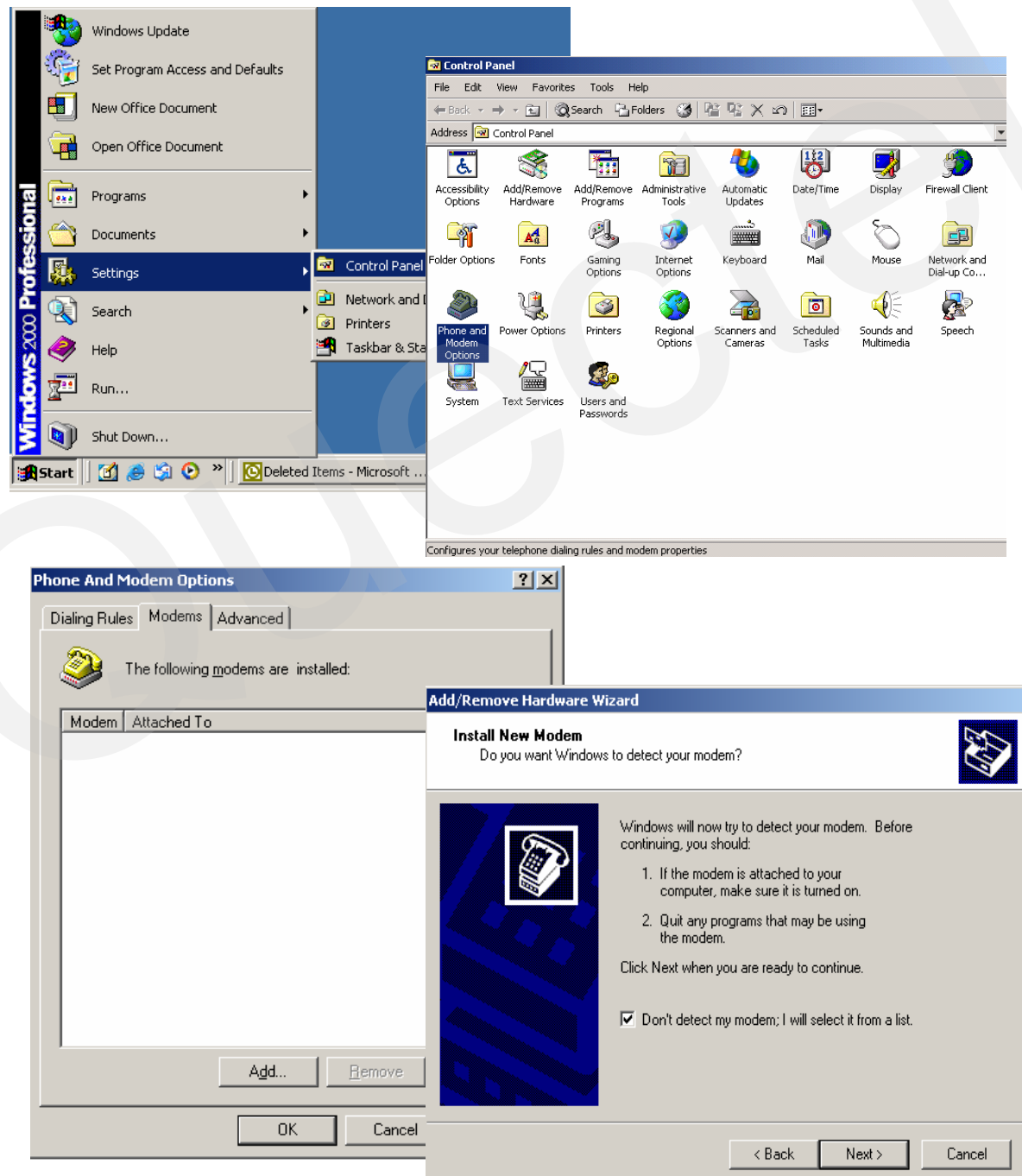
You will need to set up the Dial-Up network. Follow the steps in chapter 4.

3. Set up a Windows Modem Driver

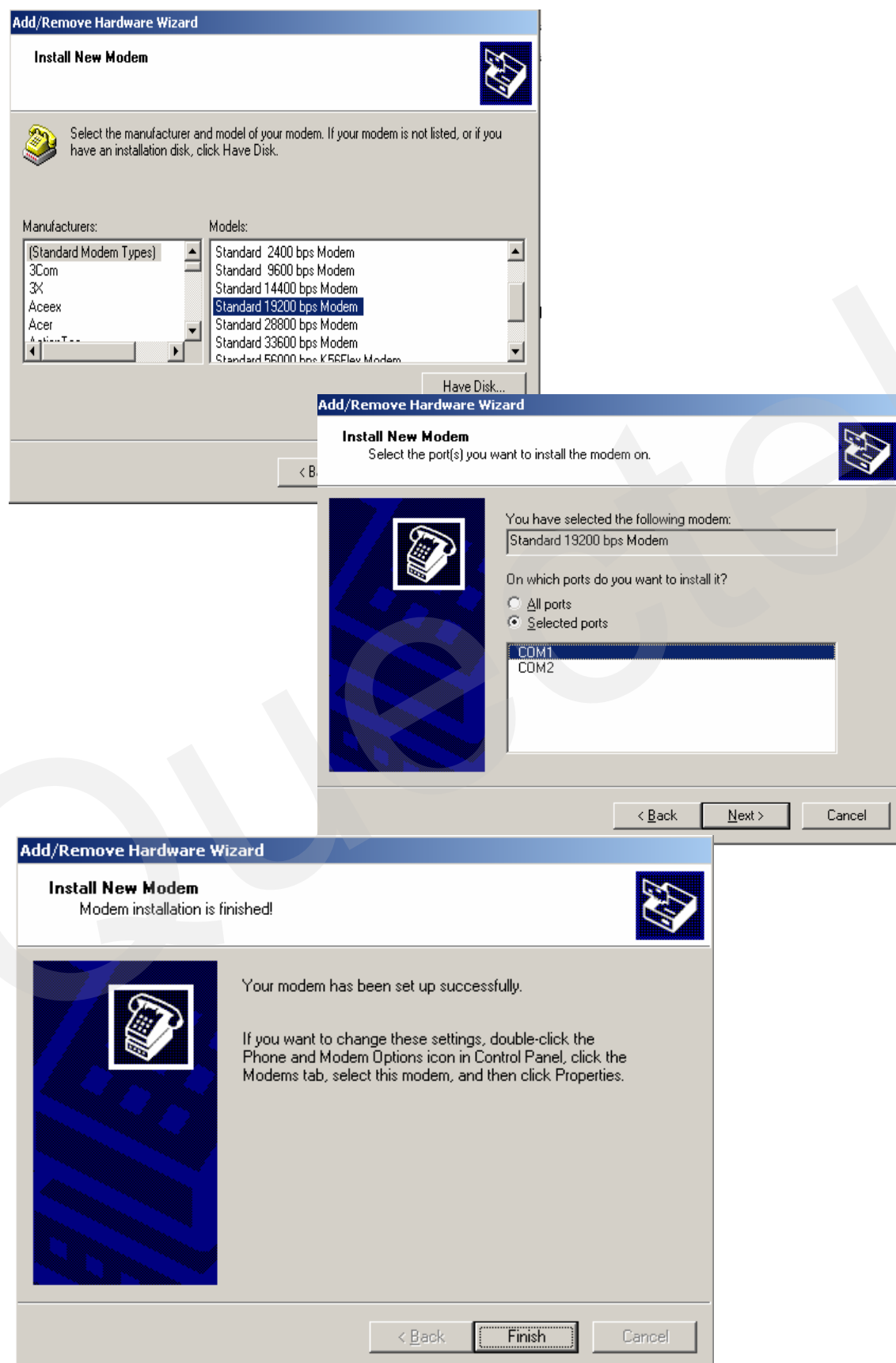
3.1. Add a new modem

If there is no standardized 19200bps modem has been installed, you can add a new standardized modem to the modem section of the control panel.

Click Start -> Setting -> Control Panel -> Phone and Modem option -> Modem -> add

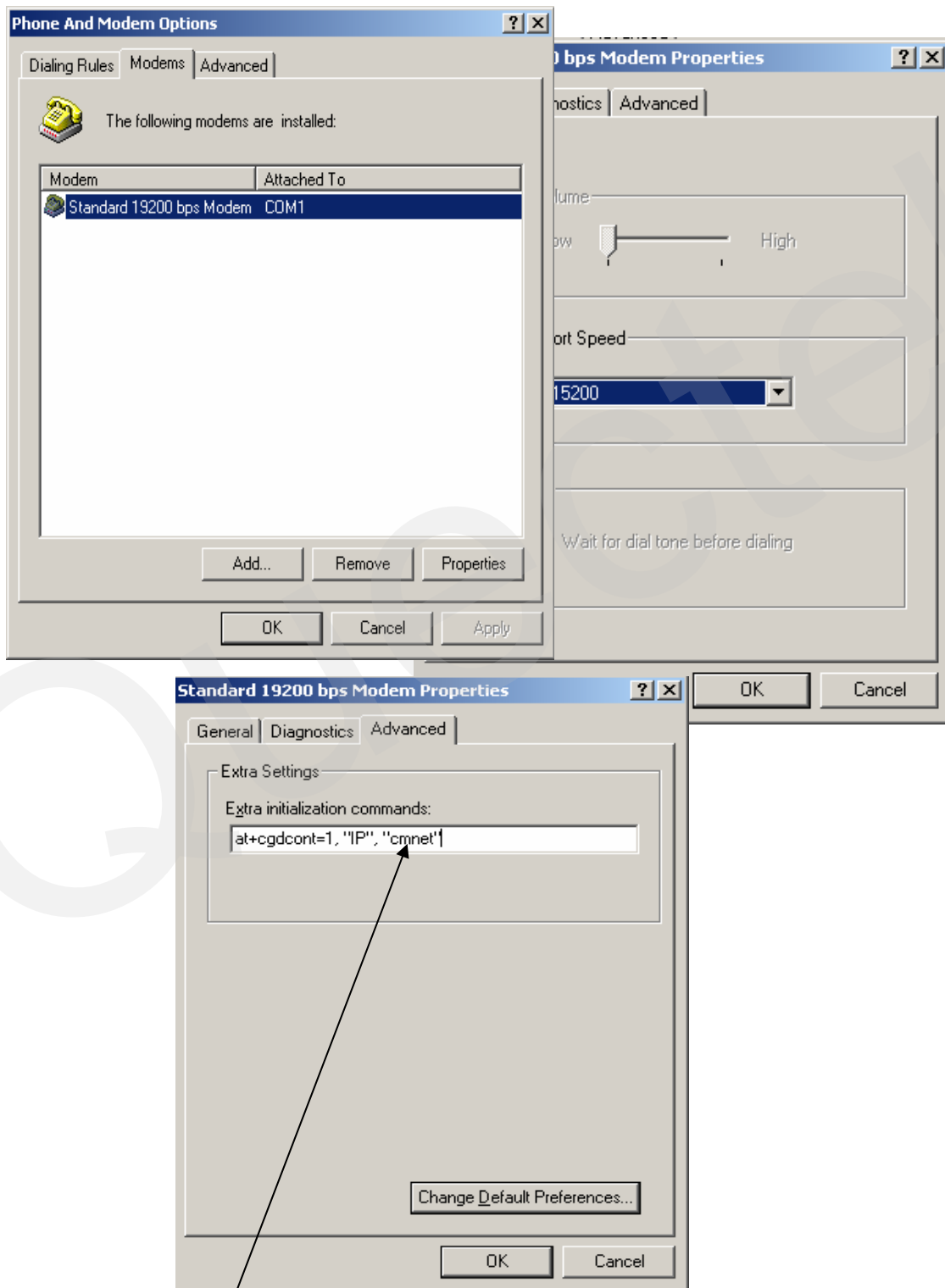


Follow the instructions on the screen, choose “**19200 bps modem**” and “**COM1**”, click “**NEXT**”, till to finish the configuration.



3.2. Configure the modem driver

Choose the installed standardized 19200bps modem, click **“Property”**, choose the max port speed (default value: 115200), and click **“Advanced”** to configure **“Extra setting”** as illustrated in the figures below.

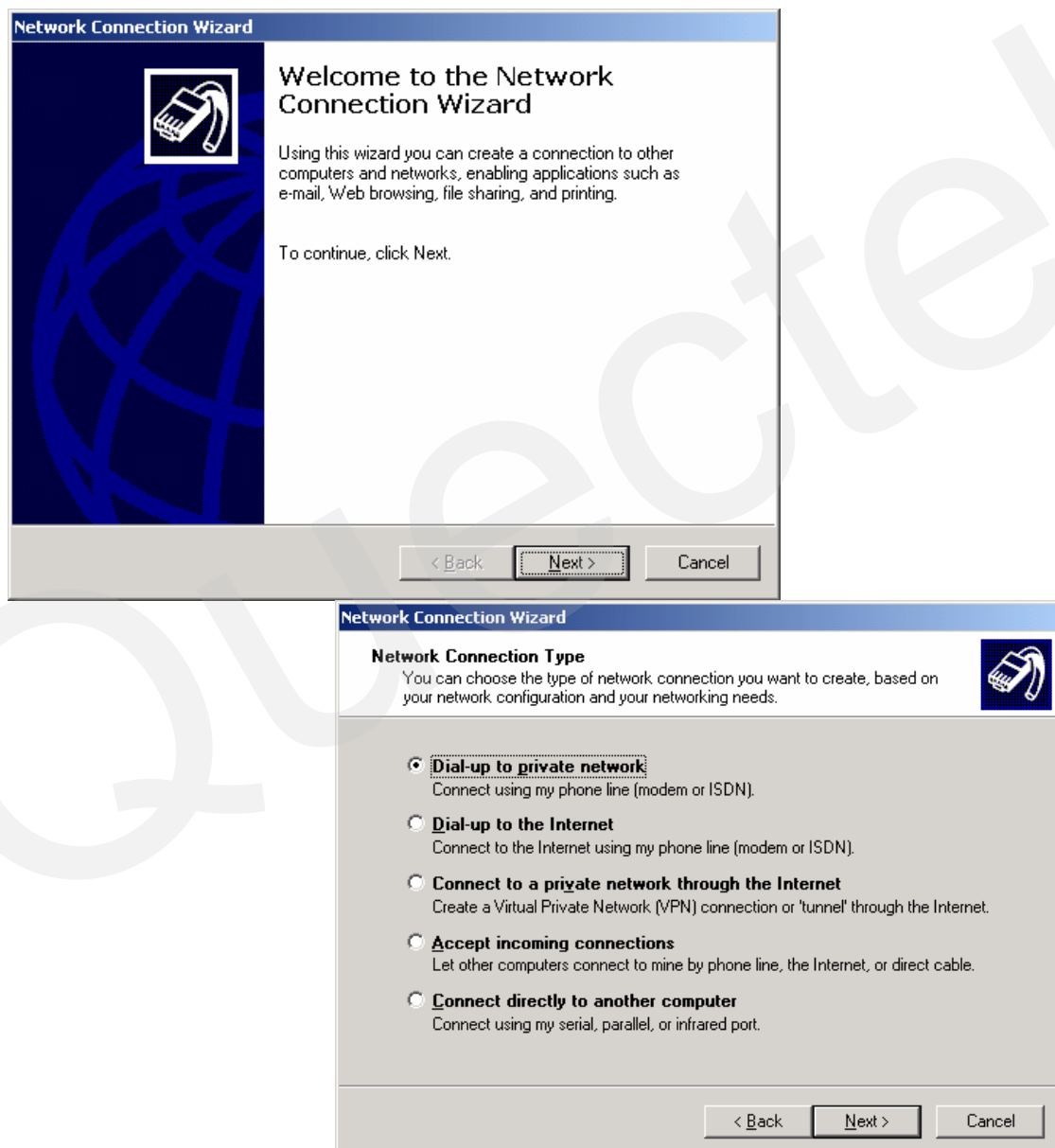


Please change the **“CMNET”** to your access point name (APN).

4. Set up the Dial-up Network

4.1. Set up a new connection

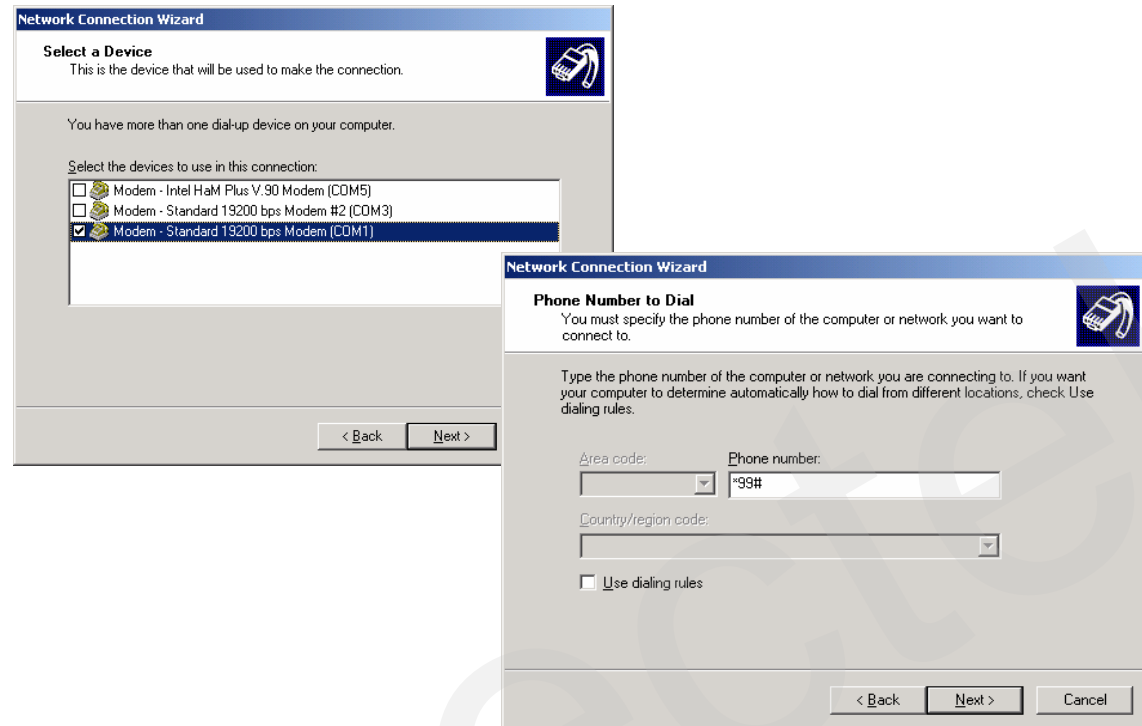
Select “Network and Dial-Up Connections” and then “Make new connection” in control panel.



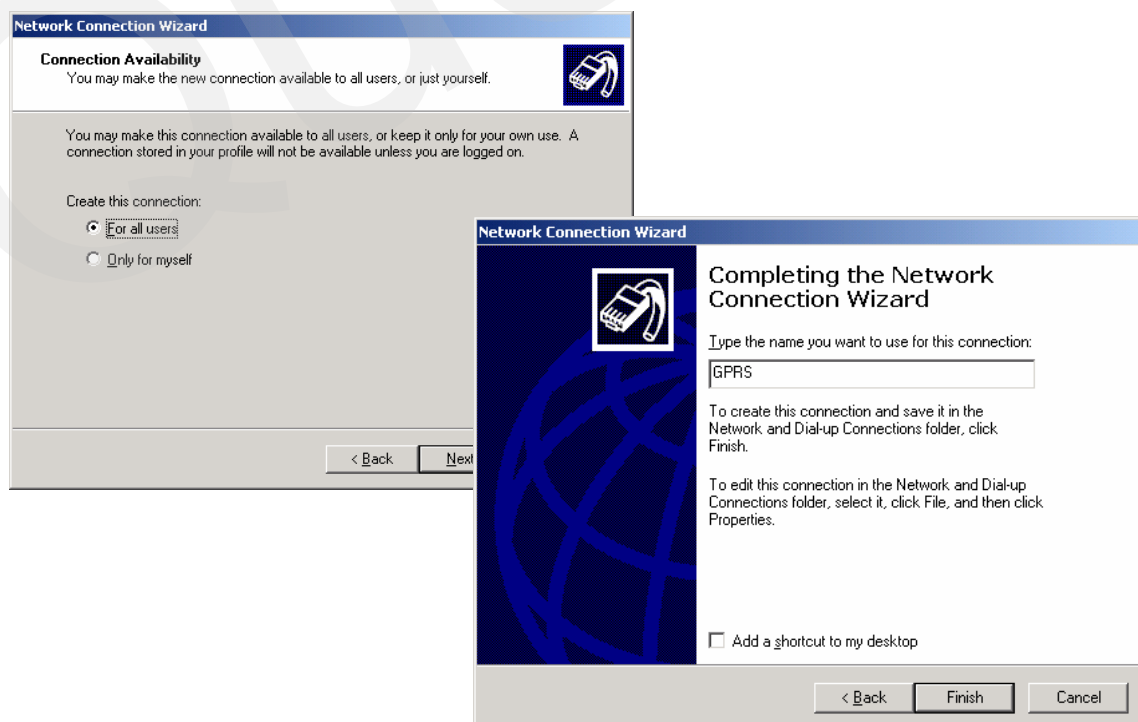
Select “Dialup to private network” -> click “Next”

4.2. Configure the setting

Select “Modem – Standard 19200bps modem (COM1)”, then click “**Next**”.



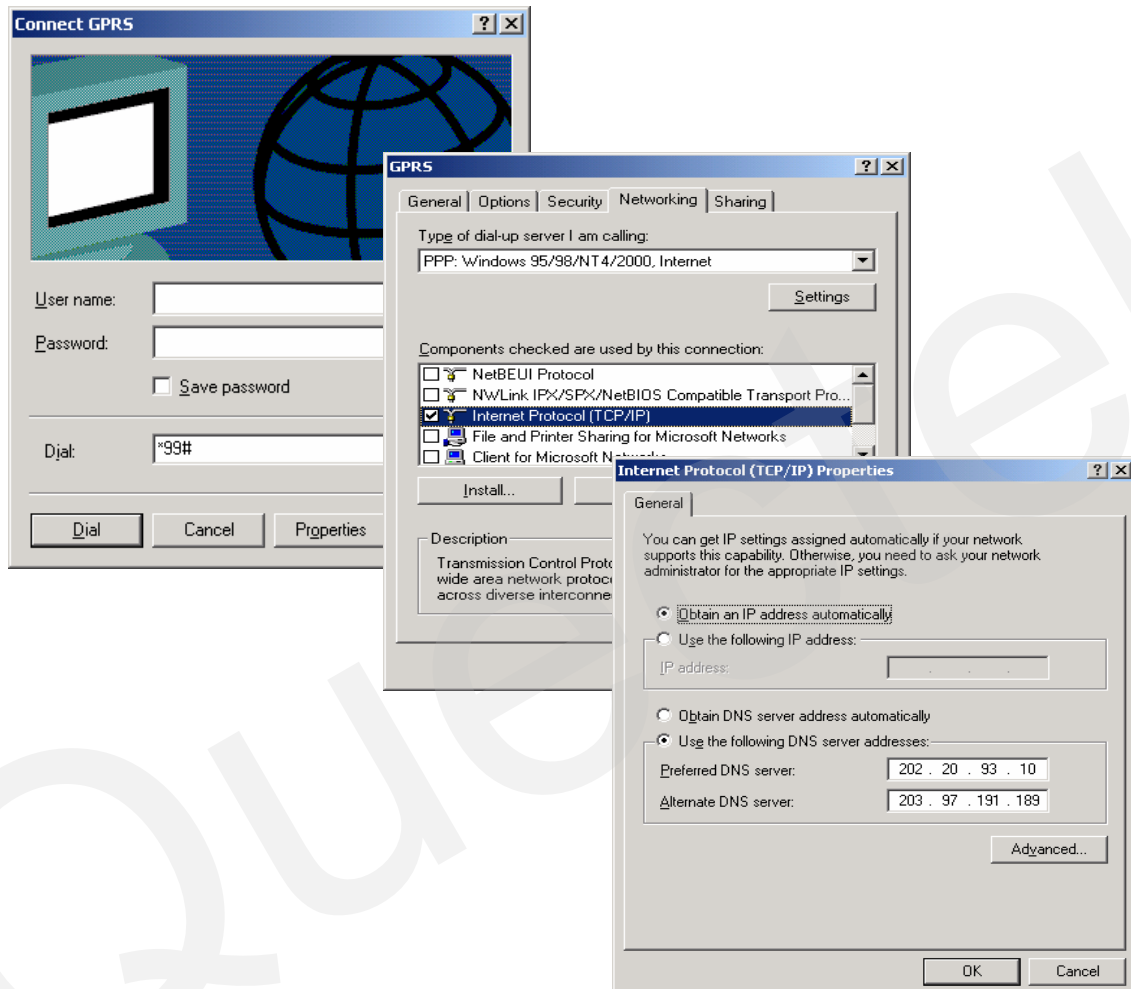
Enter the number for GPRS connection (do not select “use dialing rules”), then click “**Next**”.



Enter the name for this connection (for example, “GPRS”), then click “**Finish**”.

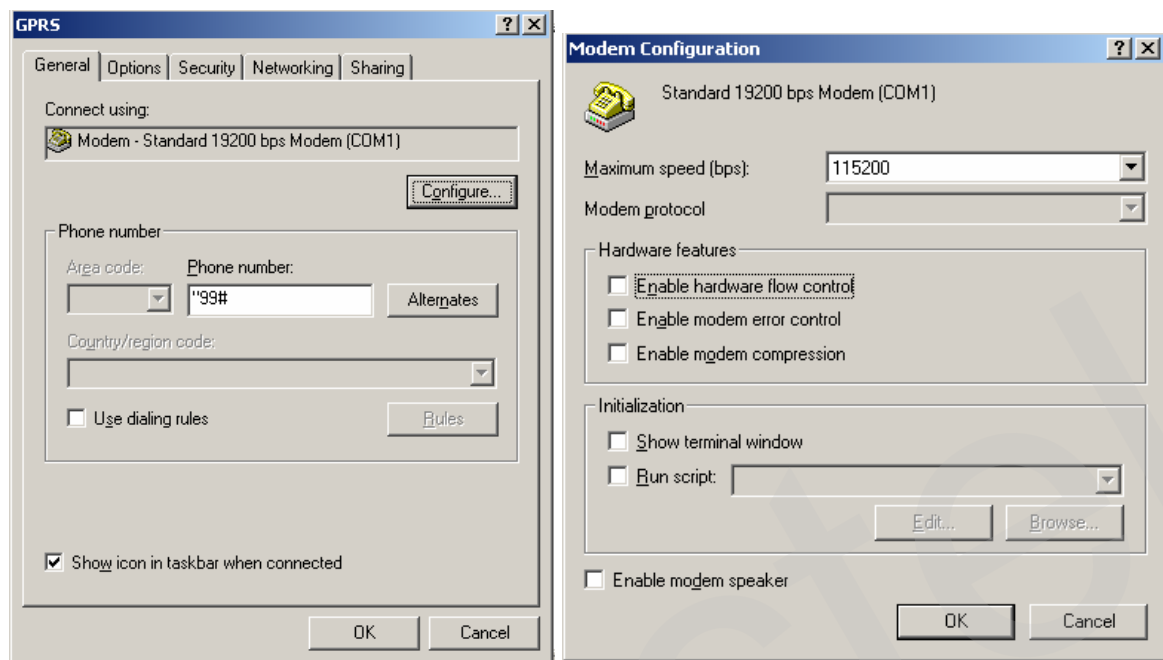
5. Configure the Connect GPRS

Ensure “**User name**” and “**Password**” are both blank.

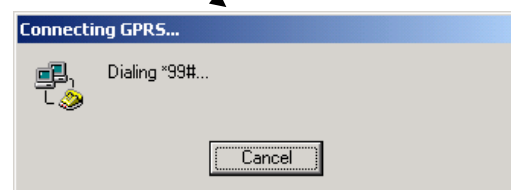
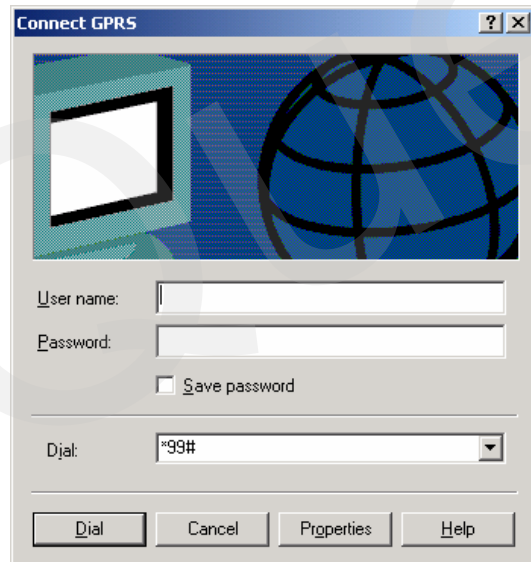


Click “**Properties**”, then select “**Networking**” tab. Select “**Internet protocol (TCP/IP)**” and click “**Properties**”, then set DNS and click “**OK**” to finish the configuration

Select “**General**” tab, then click “**Configure**”. Set the maximum speed to “**115200**”. Click “**OK**” to finish the configuration.



Now click “**Dial**”.





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