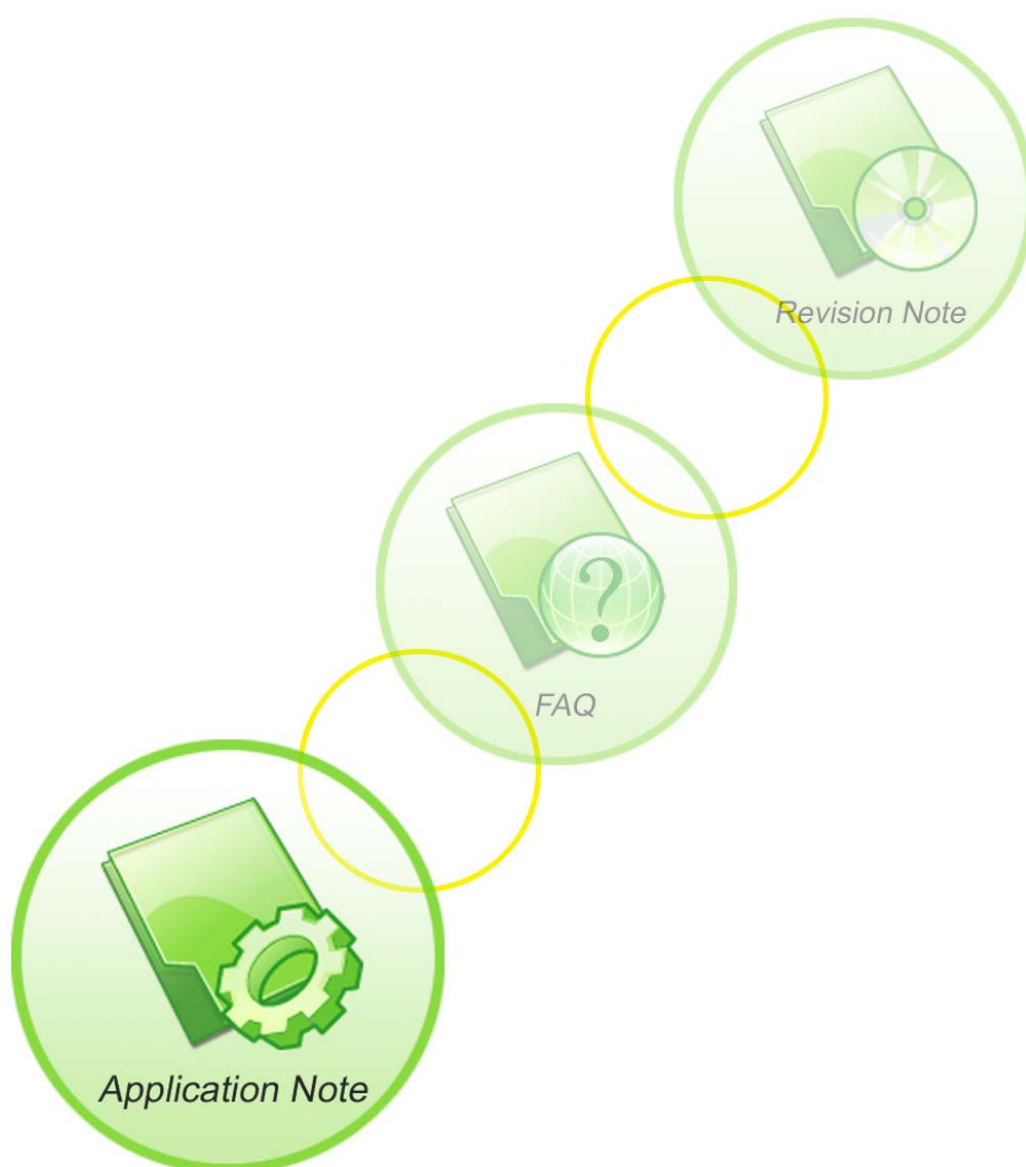




GPRS Startup

AN_GPRS Startup_V1.00



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SCOPE

Thanks you select SIMCOM GSM/GPRS module.

This product has standard AT command interface, and can provide GSM call, short message and GPRS net services, etc.

Please read this user guide carefully. You can realize the powerful function and the easy operation method of the module.

This module is used in voice or data communication mainly. We are not charge with the duty of personal injury and property loss for the custom abnormal operation. Please design the corresponding product according to the technical specification and reference in the handbook. And note the general safe item when use mobile product especially GSM product.

This document is subject to change without notice at any time.

This document suits for SIM300/SIM340, SIM300C/SIM340C, SIM300D/SIM340D, SIM3XXS, SIM300W/SIM340W, SIM300 E/SIM340 E.

Revision History

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V1.00		Origin

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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 proceeding is similar.

1.1 References

/1/ SIMCOM_ATC

/2/ Request for Comments: 1661 - The Point-to-Point Protocol (PPP)

/3/ Request for Comments: 1994 - PPP Challenge Handshake Authentication Protocol (CHAP)

1.2 Abbreviations

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 settings from your network provider

Before you can 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 up the modem driver. Follow the steps in chapter 3.

Note:

Administrator rights for the operation system may be needed in order to install modem driver.

Connect your local system administrator for advice.

2.3 Dial-Up network installation and configuration

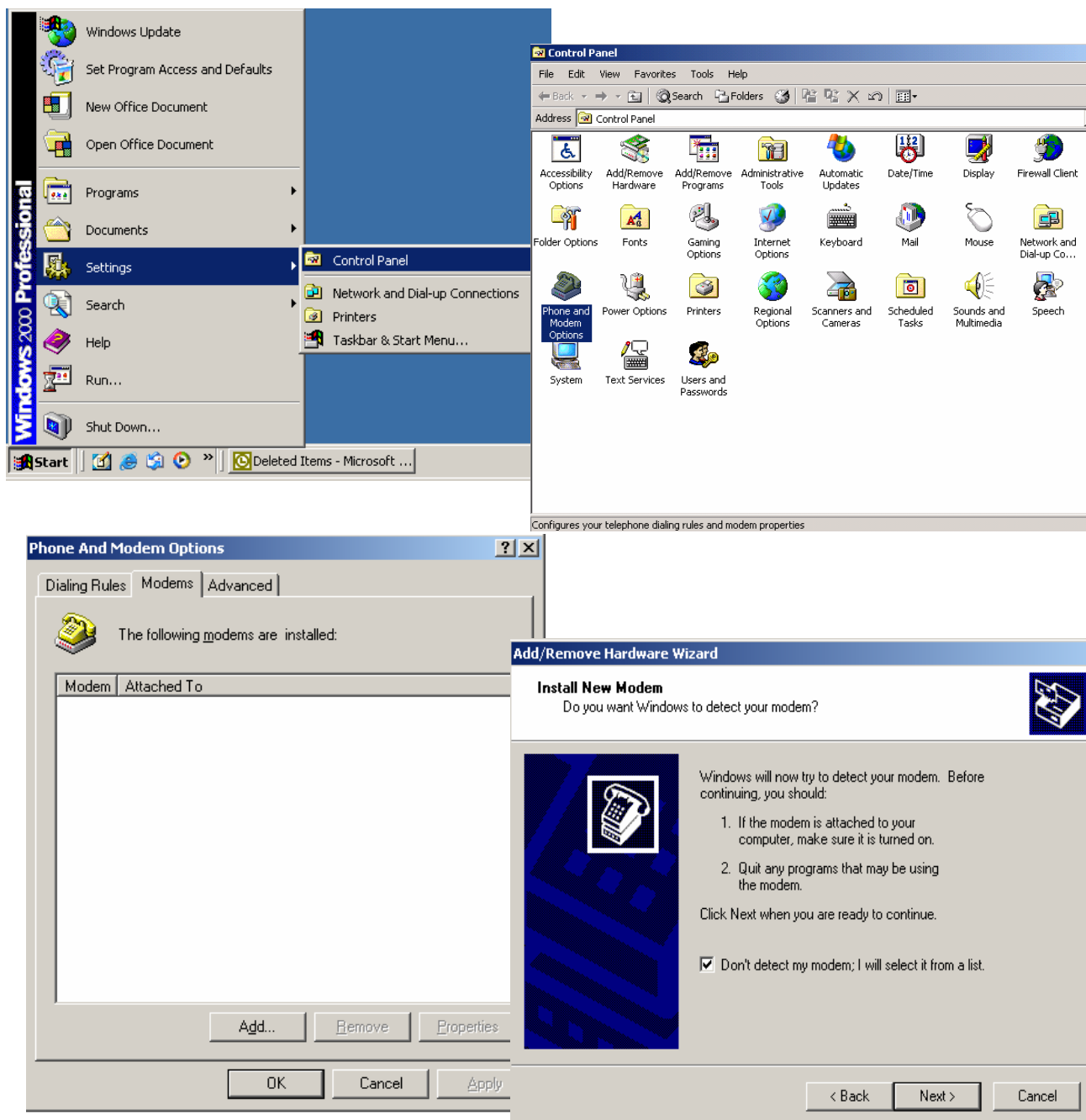
You will need to set up the Dial-Up network. Follow the steps in chapter 4.

3 Setting up a Windows modem driver

3.1 Adding a new modem

If no standard 19200bps modem has been installed, add a new standard modem to the modem section of the control panel.

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



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Add/Remove Hardware Wizard

Install New 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.

Manufacturers: (Standard Modem Types), 3Com, 3X, Aceex, Acer, ...

Models: Standard 2400 bps Modem, Standard 9600 bps Modem, Standard 14400 bps Modem, **Standard 19200 bps Modem**, Standard 28800 bps Modem, Standard 33600 bps Modem, Standard 56000 bps K56Flex Modem

Have Disk...

< Back Next > Cancel

Add/Remove Hardware Wizard

Install New Modem

Select the port(s) you want to install the modem on.

You have selected the following modem: Standard 19200 bps Modem

On which ports do you want to install it?

☐ All ports
☒ Selected ports

COM1
COM2

< Back Next > Cancel

Add/Remove Hardware Wizard

Install New Modem

Modem installation is finished!

Your modem has been set up successfully.

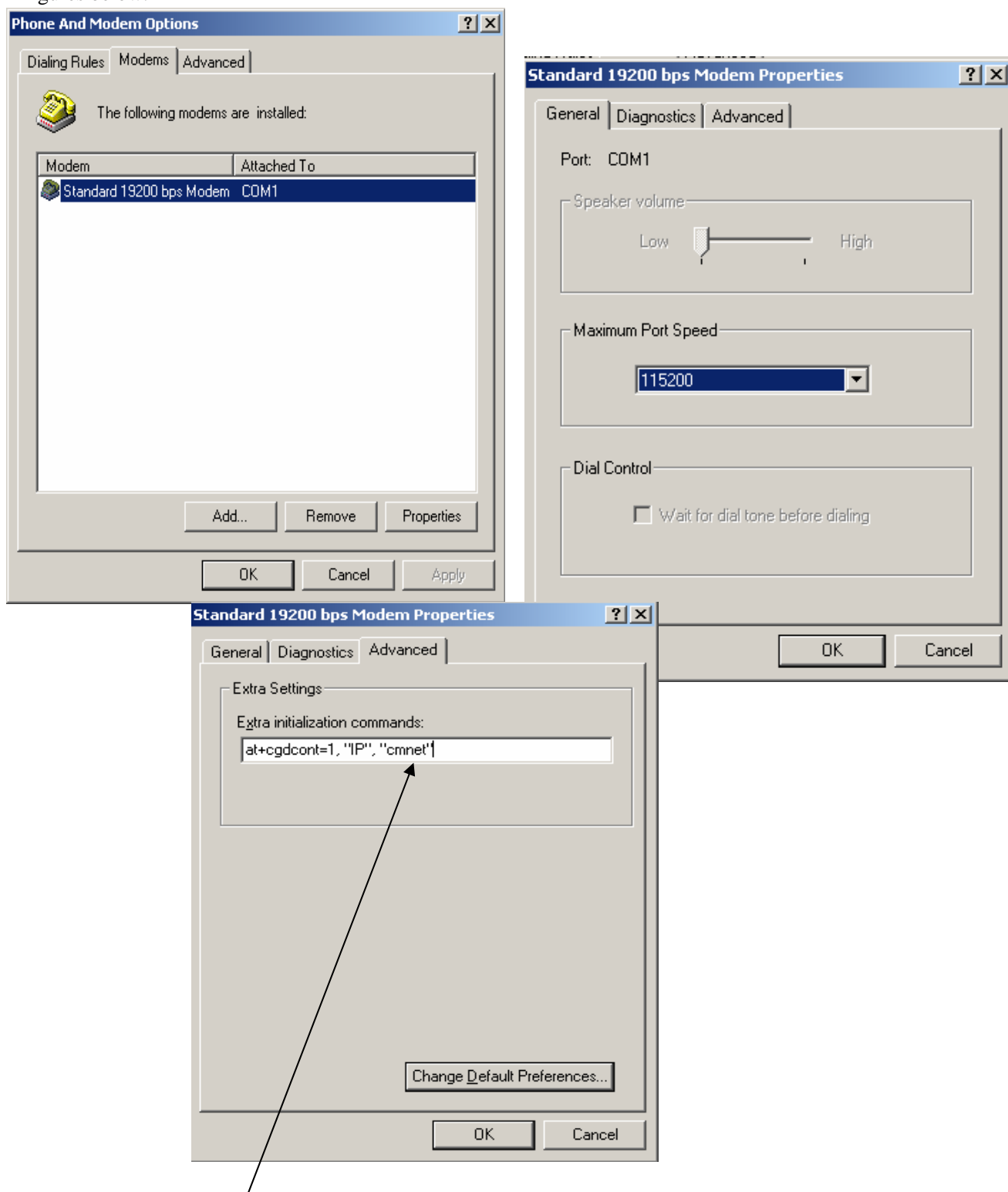
If you want to change these settings, double-click the Phone and Modem Options icon in Control Panel, click the Modems tab, select this modem, and then click Properties.

< Back Finish Cancel

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

3.2 Configuring the modem driver

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

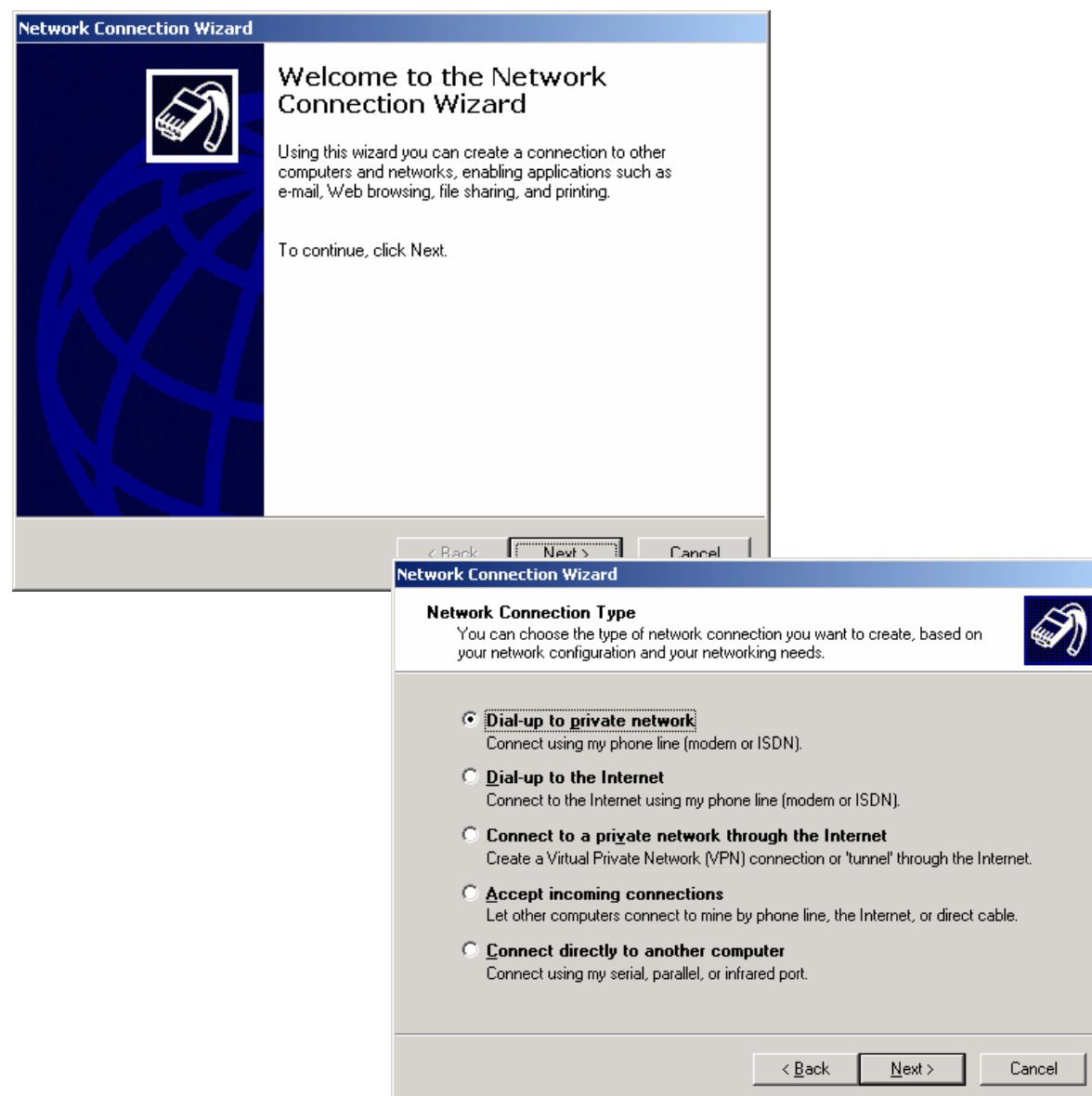


You can change the “cmnet” to your access point name (APN).

4 Setting up the Dial-Up network

4.1 Adding a new connection

From the control panel select “Network and Dial-Up Connections” and then “Make new connection”.

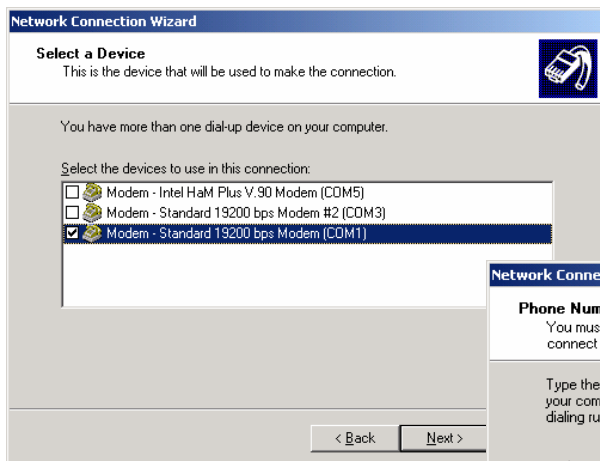


Select “Dialup to private network” -> click “Next”

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4.2 Configuring the setting

Choose Modem – standard 19200bps modem (COM1) -> Click “Next”



Network Connection Wizard

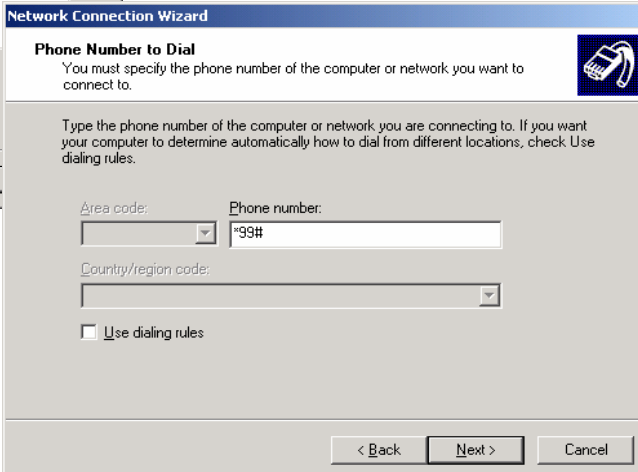
Select a Device
This is the device that will be used to make the connection.

You have more than one dial-up device on your computer.

Select the devices to use in this connection:

- ☐ Modem - Intel HaM Plus V.90 Modem (COM5)
- ☐ Modem - Standard 19200 bps Modem #2 (COM3)
- ☒ Modem - Standard 19200 bps Modem (COM1)

< Back Next >



Network Connection Wizard

Phone Number to Dial
You must specify the phone number of the computer or network you want to connect to.

Type the phone number of the computer or network you are connecting to. If you want your computer to determine automatically how to dial from different locations, check Use dialing rules.

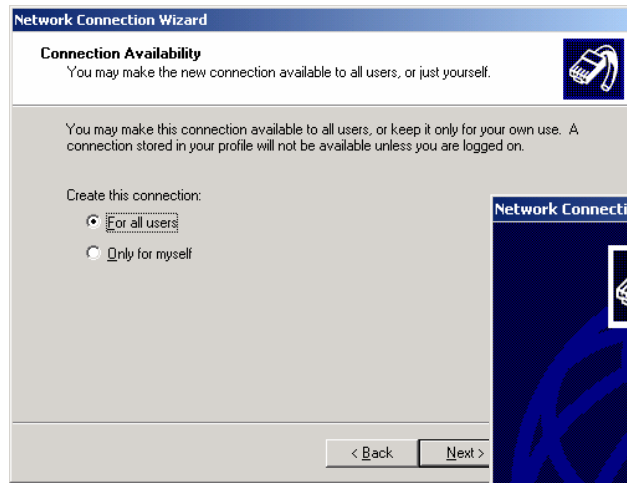
Area code: Phone number:

Country/region code:

☐ Use dialing rules

< Back Next > Cancel

Type the number of GPRS connection (not select “use dialing rules”) -> Click “Next”



Network Connection Wizard


Connection Availability
You may make the new connection available to all users, or just yourself.

You may make this connection available to all users, or keep it only for your own use. A connection stored in your profile will not be available unless you are logged on.

Create this connection:

- ☒ For all users
- ☐ Only for myself

< Back Next >



Network Connection Wizard

Completing the Network Connection Wizard

Type the name you want to use for this connection:

To create this connection and save it in the Network and Dial-up Connections folder, click Finish.

To edit this connection in the Network and Dial-up Connections folder, select it, click File, and then click Properties.

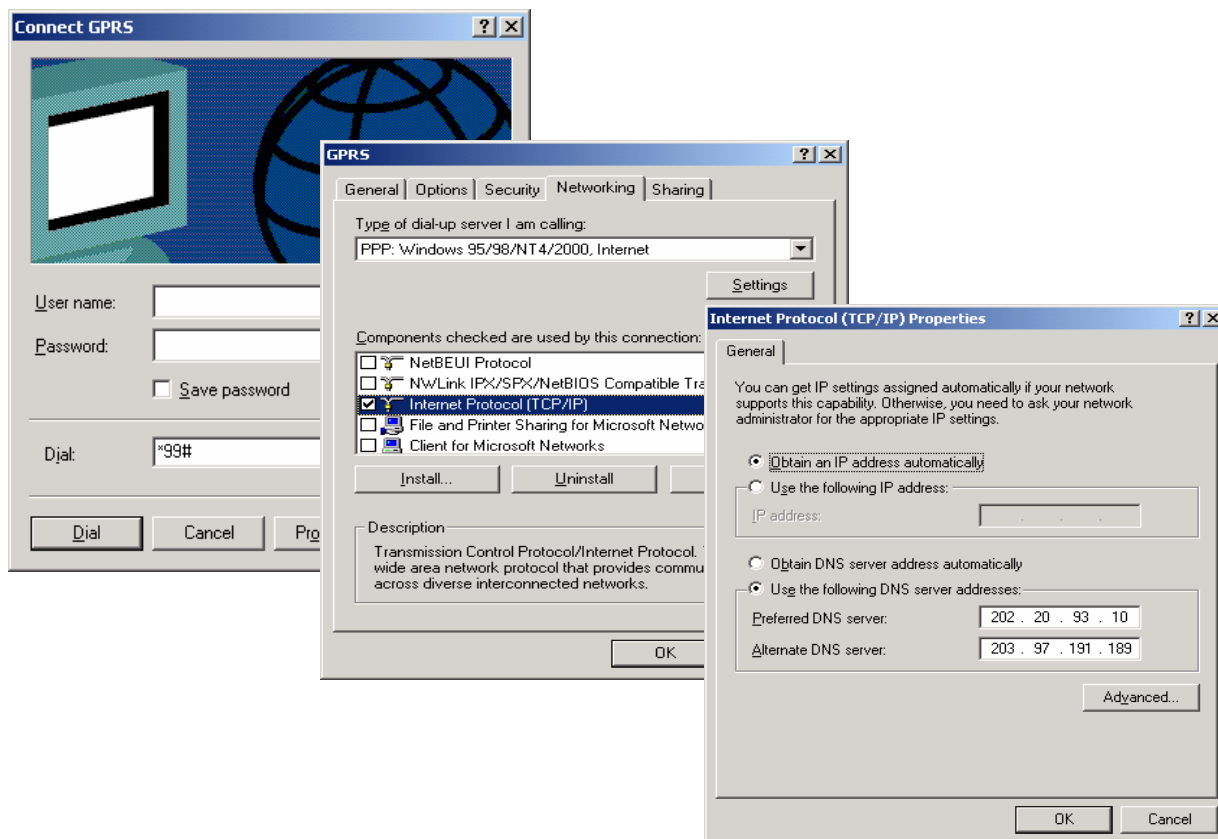
☐ Add a shortcut to my desktop

< Back Finish Cancel

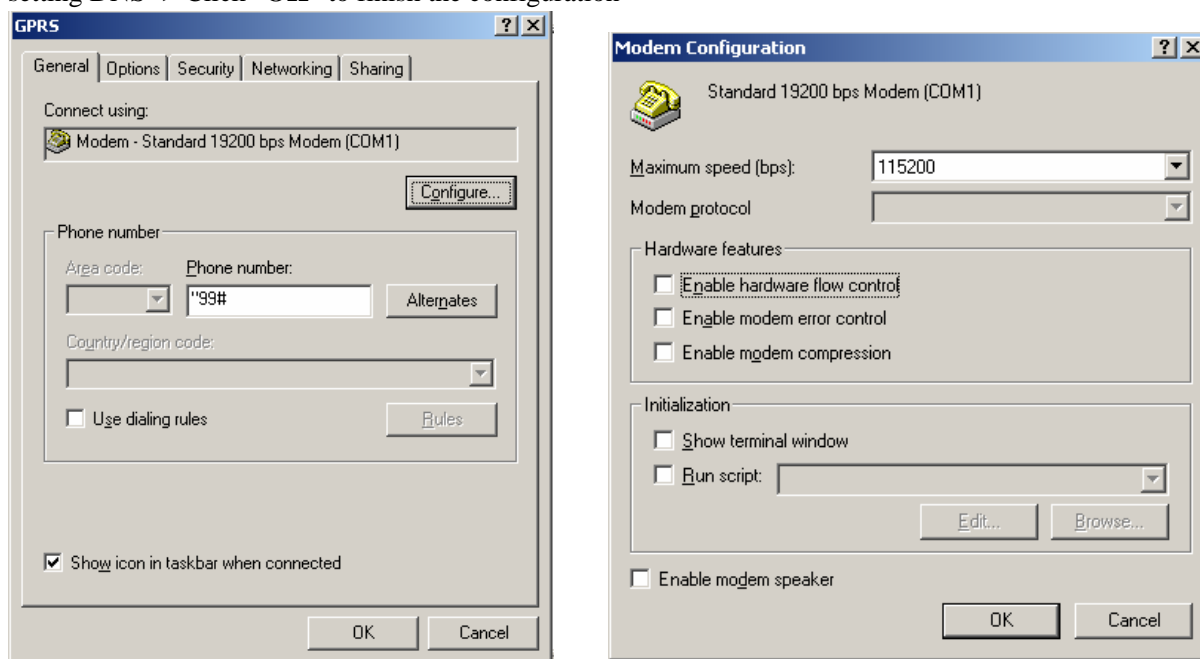
Type the name you want to use for this connection (such as “GPRS”) -> Click “Finish”

5 Getting Started

Ensure the “User name” and “Password” are blank

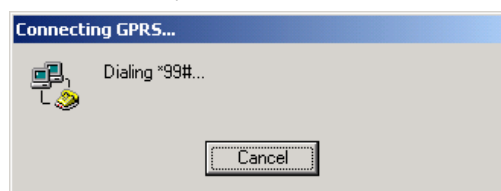
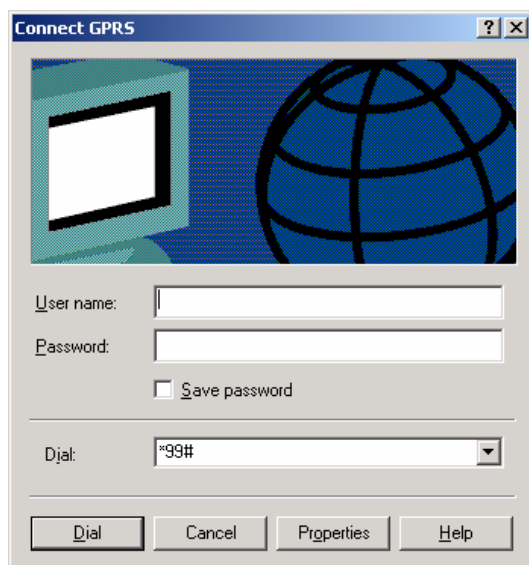


-> Choose “**Networking**” tab, only choose “**Internet protocol (TCP/IP)**” -> Click “**Properties**”, setting DNS -> Click “**OK**” to finish the configuration



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-> Click “**Setting**”, configure the max speed “**115200**” Click “**OK**”, the connection is complete -> Click “**Dial**”



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