

HUAWEI

HUAWEI ETS1000 Series Fixed Wireless
Terminal Data Service

User Manual

V200R003

HUAWEI ETS1000 Series Fixed Wireless Terminal Data Service

User Manual

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Product Version V200R003

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About This Manual

Release Notes

The product version that corresponds to the manual is HUAWEI ETS1000 Series Fixed Wireless Terminal V200R003.

Related Manuals

The following manuals provide more information about the HUAWEI ETS1000 Series Fixed Wireless Terminal V200R003.

Manual	Content
HUAWEI ETS1000 Series Fixed Wireless Terminal User Manual	It provides information for the terminal installation, operation, usage and maintenance.
HUAWEI ETS1000 Series Fixed Wireless Terminal Data Service User Manual	It is used for assisting the users in performing data services of ETS1000 Series Fixed Wireless Terminal. (Delivered with a CD-ROM)

Organization

HUAWEI ETS1000 Series Fixed Wireless Terminal Data Service User Manual introduces how to perform the data service of HUAWEI ETS1000 Series Fixed Wireless Terminal (hereinafter referred to as FWT).

Chapter 1 Modem describes the modem integrated with FWT.

Chapter 2 Configuration Requirements lists the minimum system requirements of the PC for conducting data service.

Chapter 3 Wireless Data Service elaborates the operation of data service in Windows 98, Windows 2000 and Windows XP respectively, including driver installation, dial-up and PC fax service, etc.

Chapter 4 Precautions describes the precautions of data service conduct.

Chapter 5 Troubleshooting introduces common faults and handling methods.

Intended Audience

The manual is intended for the user who owns the FWT Data Kit.

Conventions

The manual uses the following conventions:

I. General conventions

Convention	Description
Arial	Normal paragraphs are in Arial.
Arial Narrow	Warnings, Cautions, Notes and Tips are in Arial Narrow.
Boldface	Headings are in Boldface .
Courier New	Terminal Display is in Courier New.

II. GUI conventions

Convention	Description
< >	Button names are inside angle brackets. For example, click the <OK> button.
[]	Window names, menu items, data table and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forward slashes. For example, [File/Create/Folder].

III. Keyboard operation

Format	Description
<Key>	Press the key with the key name inside angle brackets. For example, <Enter>, <Tab>, <Backspace>, or <A>.
<Key1+Key2>	Press the keys concurrently. For example, <Ctrl+Alt+A> means the three keys should be pressed concurrently.
<Key1, Key2>	Press the keys in turn. For example, <Alt, A> means the two keys should be pressed in turn.

IV. Mouse operation

Action	Description
Click	Press the left button or right button quickly (left button by default).

Action	Description
Double Click	Press the left button twice continuously and quickly.
Drag	Press and hold the left button and drag it to a certain position.

V. Symbols

Eye-catching symbols are also used in this manual to highlight the points worthy of special attention during the operation. They are defined as follows:



Caution, Warning, Danger: Means reader be extremely careful during the operation.



Note, Comment, Tip, Knowhow, Thought: Means a complementary description.

Environmental Protection

This product has been designed to comply with the requirements on environmental protection. For the proper storage, use and disposal of this product, national laws and regulations must be observed.

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Chapter 1 Modem

Since a Modem has been built in ETS1000 Series Fixed Wireless Terminal before delivery, you can enjoy such data services as Web browse and data downloading by connecting the terminal to your computer via a USB serial data cable. The USB serial data cable has been supplied in the data kit, so you can purchase it from the local carrier as required. Like the standard Modem used in common computers, the Modem is easy to operate.

The procedure is as follows: 1) Connect the terminal to your computer (for specific operations, refer to *HUAWEI ETS1000 Series Fixed Wireless Terminal User Manual*). 2) Install the driver for your operating system from the CD in the data kit.

Chapter 2 Configuration Requirements

Minimum system requirements:

- 1) CPU: Pentium 100 or above.
- 2) Operating system: Windows 98, Windows 2000 or Windows XP.
- 3) Support USB1.1 or higher interface standards.
- 4) Install IE browser and FTP client.



Caution:

Be sure not to install other USB-to-serial port devices on the same PC.

Chapter 3 Wireless Data Service

3.1 Install HUAWEI WIRELESS MODEM Driver

3.1.1 Install Windows 98 system Driver

- 1) Insert the CD in the data kit into the CD-ROM. The default driver directory is: E:\Setup. Double click the icon "Setup.exe" to run Wireless Modem driver.

 **Note:**

The CD-ROM drive E mentioned in the manual may be different from your actual computer setting. You should find the driver directory in your own computer.

- 2) Then the system pops up the interface [Choose Setup Language] shown in Figure 3-1, prompting you to select the language for this installation. Either Chinese or English can be selected depending on your operating system.



Figure 3-1 Choose Setup Language

- 3) Click <OK> to enter the interface [Setup Prepare] shown in Figure 3-2. It is strongly recommended that you exit all Windows programs before running this Setup program.

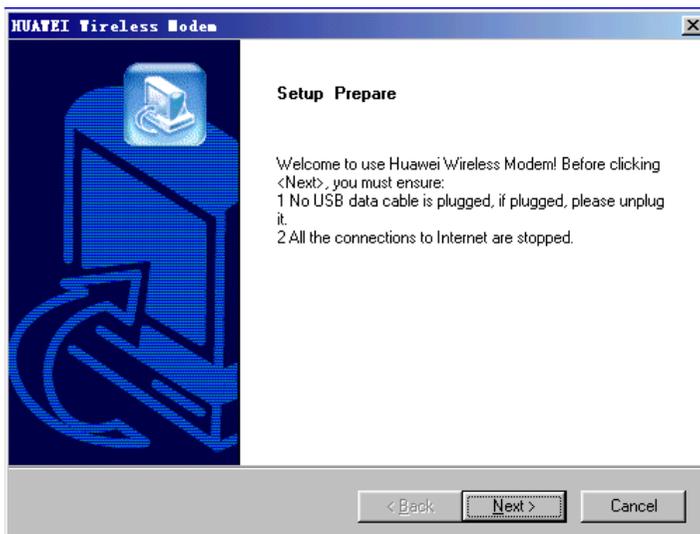


Figure 3-2 Setup Prepare

- 4) Click <Next> to enter the interface [Select Install Path] shown in Figure 3-3. The default driver installation directory is: C:\HUAWEI\MODEM. If required, you can click <Browse> and change the destination installation path.



Figure 3-3 Select Installation Path

- 5) Click <Next>, and the system will detect whether USB driver has been installed. If you use the terminal for the first time, and previously have not installed UMP 3410 Unitary Driver and UMP3410 Serial Port drivers, the system will pop up the interface shown in Figure 3-4, and prompt you to install USB driver following the three steps below. Otherwise, the system will find the device via the corresponding COM port (e.g., COM3) and prepare to install HUAWEI WIRELESS MODEM.

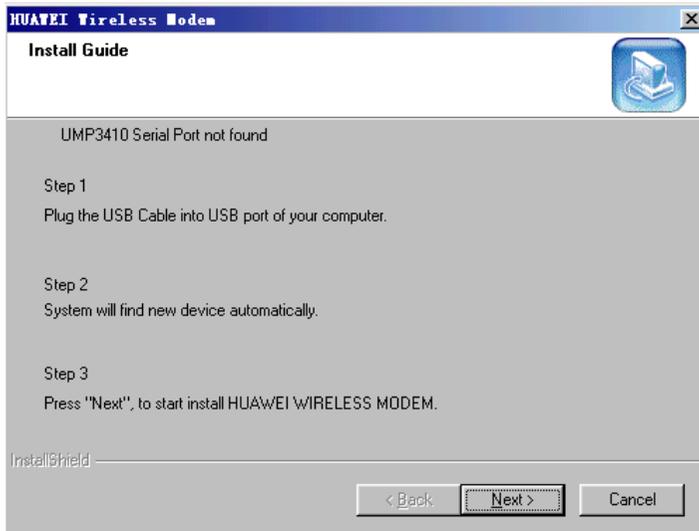


Figure 3-4 Install Guide

For the first case, specific procedure is described as follows:

Step 1: Connect one end (USB connector) of USB serial data cable to the USB port on your computer, and the other end (DB9) to the serial port on the terminal. The system will automatically find the new device “UMP 3410 Unitary Driver” and install its driver.

Step 2: After “UMP 3410 Unitary Driver” driver installation, the system will automatically find another new device “UMP3410 Serial Port” and install its driver.

Step 3: In Figure 3-4, click <Next> to start to install HUAWEI WIRELESS MODEM.

- 6) The system prompts that Setup Program has installed HUAWEI WIRELESS MODEM on your computer successfully. Click <Finish> to complete the installation.

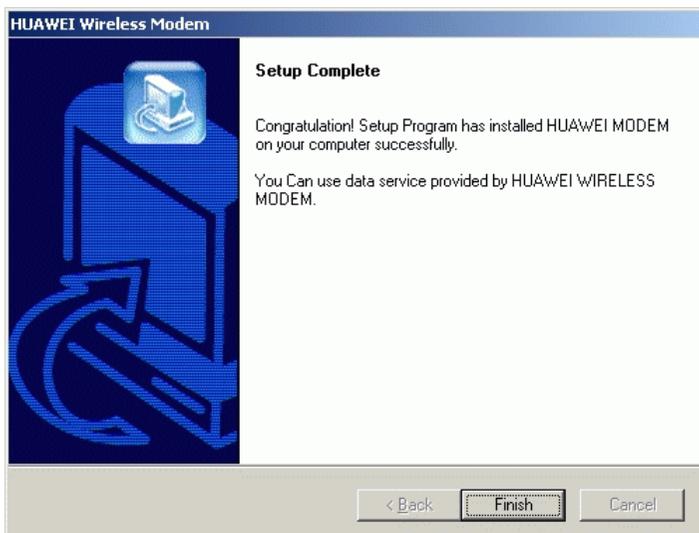


Figure 3-5 Setup Complete

- 7) After the driver installation, the system will add "HUAWEI WIRELESS MODEM" in [Control Panel/Modems], as shown in Figure 3-6.

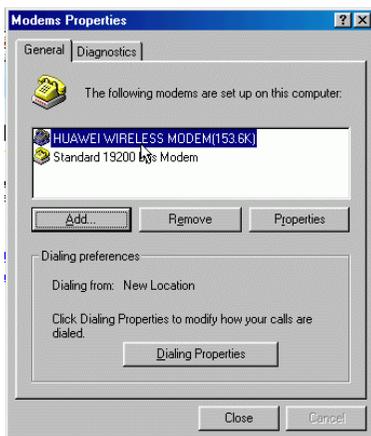


Figure 3-6 Modems Properties

- 8) The system will add “UMP 3410 Unitary Driver” in [Control Panel/System/Device Manager/UMP], and “UMP 3410 Serial Port” in [Control Panel/System/Device Manager/Ports (COM & LPT)], as shown in Figure 3-7.

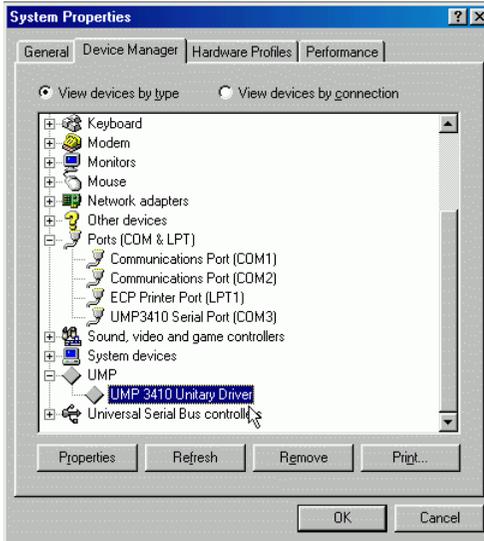


Figure 3-7 System Properties

3.1.2 Install Windows 2000 system Driver

- 1) Insert the CD in the data kit into the CD-ROM. The default driver directory is: E:\Setup. Double click the icon "Setup.exe" to run Wireless Modem driver

Note:

The CD-ROM drive E mentioned in the manual may be different from your actual computer setting. You should find the driver directory in your own computer.

- 2) Then the system pops up the interface [Choose Setup Language] shown in Figure 3-8, prompting you to select the language for this installation. Either Chinese or English can be selected depending on your operating system.



Figure 3-8 Choose Setup Language

- 3) Click <OK> to enter the interface [Setup Prepare] shown in Figure 3-9. It is strongly recommended that you exit all Windows programs before running this Setup program.

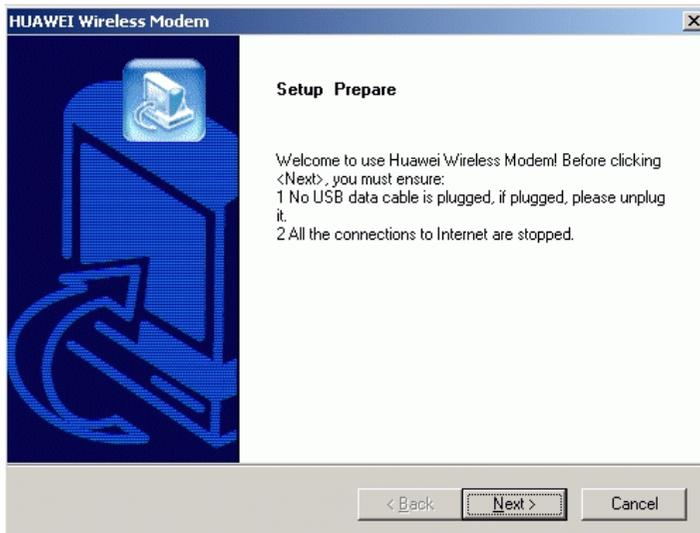


Figure 3-9 Setup Prepare

- 4) Click <Next> to enter the interface [Select Install Path] shown in Figure 3-10. The default driver installation directory is: C:\HUAWEI\MODEM. If required, you can click <Browse> and change the destination installation path.



Figure 3-10 Select Install Path

- 5) Click <Next>, and the system will detect whether USB driver has been installed. If you use the terminal for the first time, and previously have not installed TIUSB3410 and TIUMP SERIAL PORT drivers, the system will pop up the interface shown in Figure 3-11, and prompt you to install USB driver following the three steps below. Otherwise, the system will find the device via the corresponding COM port (e.g., COM7) and prepare to install HUAWEI WIRELESS MODEM.

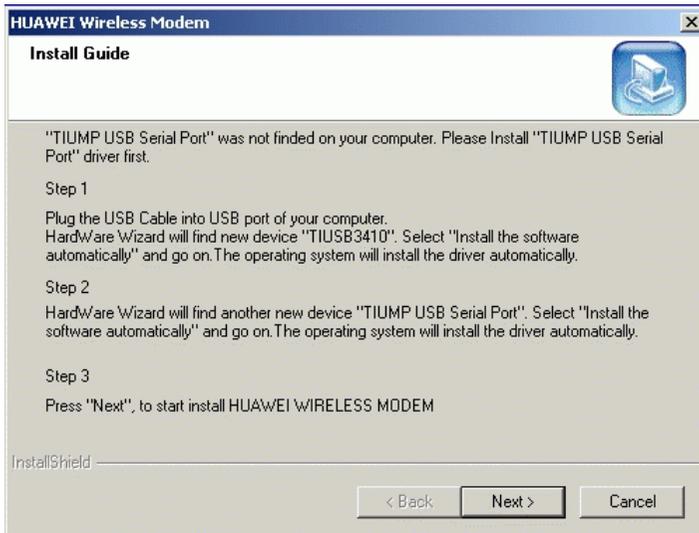


Figure 3-11 Install Guide

For the first case, specific procedure is described as follows:

Step 1: Connect one end (USB connector) of USB serial data cable to the USB port on your computer, and the other end (DB9) to the serial port on the terminal. The system will automatically find the new device “TIUSB3410” and install its driver.

Step 2: After “TIUSB3410” driver installation, the system will automatically find another new device “TIUMP USB Serial Port” and install its driver.

After the two drivers installation, the system will automatically add “TIUSB3410” in [Control Panel/System/Hardware/Device Manager/ TI UMP Devices], and “TIUMP USB Serial Port” in [Control

Panel/ System/Hardware/Device Manager/Ports (COM & LPT)], as shown in Figure 3-12.

Step 3: In Figure 3-11, click <Next> to start to install HUAWEI WIRELESS MODEM.

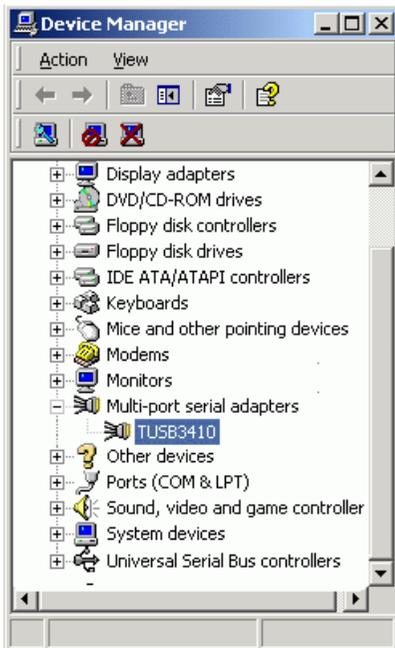


Figure 3-12 Device Manager

- 6) The system will find the device via the corresponding COM port (e.g., COM7) and install its driver, as shown in Figure 3-13.



Figure 3-13 Found Port Device

- 7) As shown in Figure 3-14, click <Yes> to continue the installation.



Figure 3-14 Digital Signature Not Found

- 8) As shown in Figure 3-15, HUAWEI MODEM has been installed successfully. Click <Finish> to complete the installation.

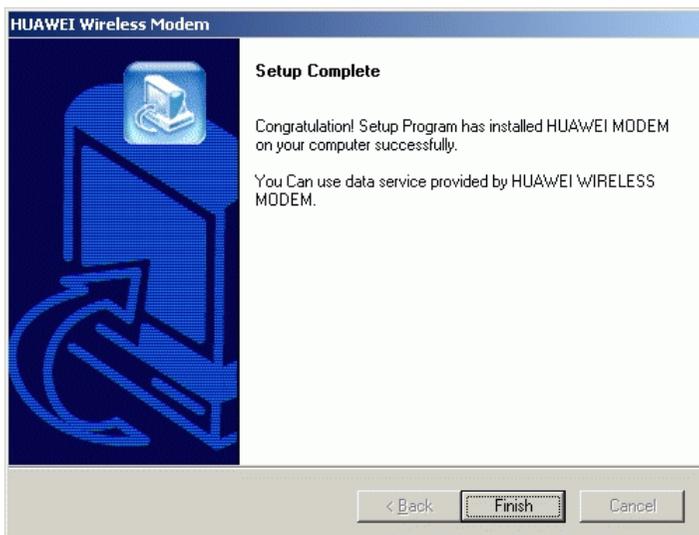


Figure 3-15 Setup Complete

- 9) After the Modem driver installation, the system will add "HUAWEI WIRELESS MODEM" in [Control Panel/System/Hardware/Device Manager/Modems], as shown in Figure 3-16.



Figure 3-16 Device Manager

3.1.3 Install Windows XP system Driver

- 1) Insert the CD in the data kit into the CD-ROM. The default driver directory is: E:\Setup. Double click the icon "Setup.exe" to run Wireless Modem driver.

Note:

The CD-ROM drive E mentioned in the manual may be different from your actual computer setting. You should find the driver directory in your own computer.

- 2) Then the system pops up the interface [Choose Setup Language] shown in Figure 3-17, prompting you to select the language for this installation. Either Chinese or English can be selected depending on your operating system.



Figure 3-17 Choose Setup Language

- 3) Click <OK> to enter the interface [Setup Prepare] shown in Figure 3-18. It is strongly recommended that you exit all Windows programs before running this Setup program.



Figure 3-18 Setup Prepare

- 4) Click <Next> to enter the interface [Select Install Path] shown in Figure 3-19. The default driver installation directory is: C:\HUAWEI\MODEM. If required, you can click <Browse> and change the destination installation path.

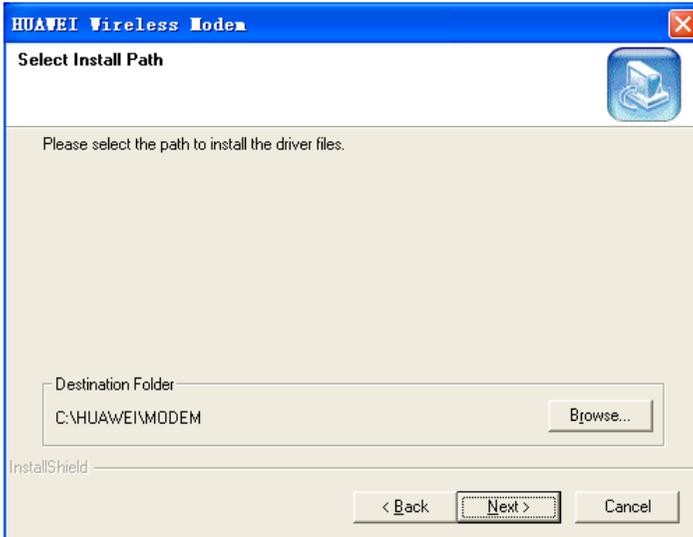


Figure 3-19 Select Install Path

- 5) Click <Next>, and the system will detect whether USB driver has been installed. If you use the terminal for the first time, and previously have not installed TIUSB3410 and TIUMP SERIAL PORT drivers, the system will pop up the interface shown in Figure 3-20, and prompt you to install USB driver following the three steps below. Otherwise, the system will find the device via the corresponding COM port (e.g., COM4) and prepare to install HUAWEI WIRELESS MODEM.

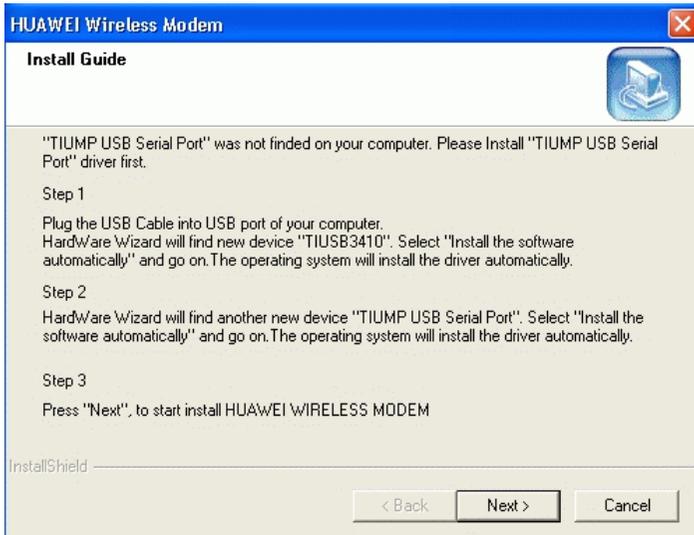


Figure 3-20 Install Guide

For the first case, specific procedure is described as follows:

Step 1: Connect one end (USB connector) of USB serial data cable to the USB port on your computer, and the other end (DB9) to the serial port on the terminal. The system will automatically find the new device "TIUSB3410", as shown in Figure 3-21. Select the radio button followed by [Install the software automatically (Recommended)], then click <Next>. The system will automatically install its driver, as shown in Figure 3-22. Click <Finish> to close the wizard.



Figure 3-21 Found TIUSB3410



Figure 3-22 Setup Complete

Step 2: After “TIUSB3410” driver installation, the system will automatically find another new device “TIUMP USB Serial Port” and install its driver, as shown in Figure 3-23. Select the radio button followed by [Install the software automatically (Recommended)], then click <Next>. The system will automatically finish “TIUMP USB Serial Port” driver installation and switch to Figure 3-24. Click <Continue Anyway> to install its driver, as shown in Figure 3-25. Click <Finish> to close the wizard.



Figure 3-23 Found TIUMP USB Serial Port



Figure 3-24 Windows Logo Testing



Figure 3-25 Finish Installation

After the two drivers installation, the system will automatically add “TIUSB3410” in [Control Panel/System/Hardware/Device Manager/ TI UMP Devices], and “TIUMP USB Serial Port” in [Control Panel/ System/Hardware/Device Manager/Ports (COM & LPT)], as shown in Figure 3-26.

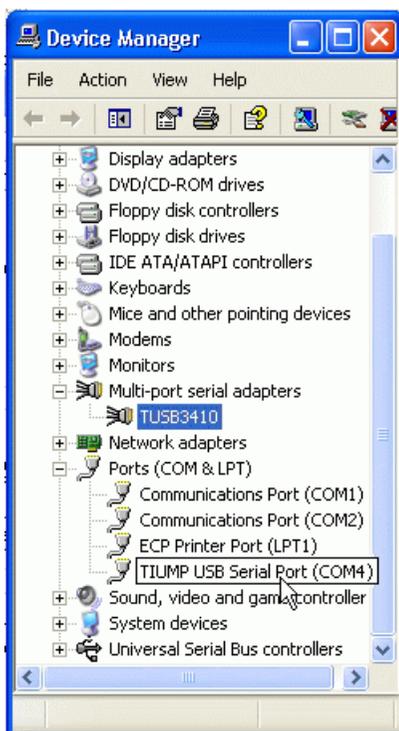


Figure 3-26 Device Manager

Step 3: In Figure 3-20, click <Next> to start to install HUAWEI WIRELESS MODEM.

- The system will find the device via the corresponding COM port (e.g., COM4) and install its driver, as shown in Figure 3-27.



Figure 3-27 Found Port Device

- As shown in Figure 3-28, click <Continue Anyway> to install Modem driver.



Figure 3-28 Windows Logo Testing

- 8) As shown in Figure 3-29, HUAWEI MODEM has been installed successfully. Click <Finish> to complete the installation.

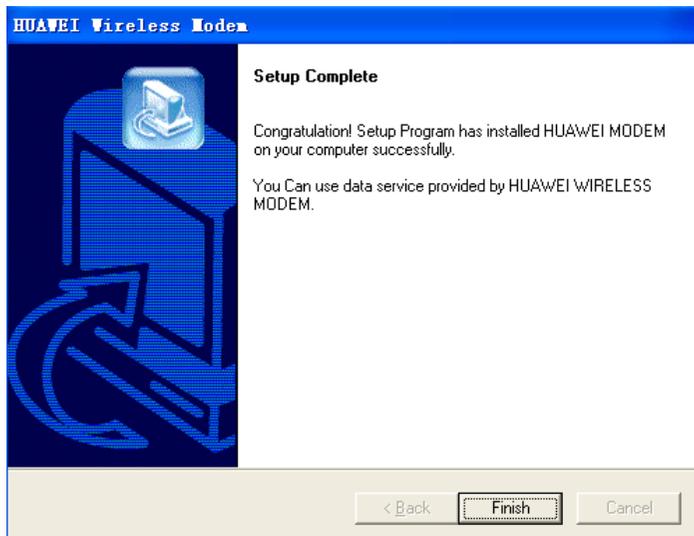


Figure 3-29 Setup Complete

- 9) After the Modem driver installation, the system will add "HUAWEI WIRELESS MODEM" in [Control Panel/System/Hardware/Device Manager/Modems], as shown in Figure 3-30.



Figure 3-30 Device Manager

3.2 Data Service Reference

You can perform data services such as high-speed packet data access, low-speed data service access, and PC fax. For specific operations of data services, consult your operator.

3.2.1 High-speed Packet Data Access

I. Dial Up to the Internet on Windows 98

1) Click

[Start/Programs/Accessories/Communications/Dial-Up Networking], and the Dial-Up Networking dialog box will pop up. Double click [Make New Connection] to enter the interface shown in Figure 3-31, and then type your custom name for the computer that you are dialing (such as “HUAWEI WIRELESS MODEM”). Select “HUAWEI WIRELESS MODEM (153.6K)” in the drop-down list box, then click <Next>.



Figure 3-31 Select Modem

- 2) As shown in Figure 3-32, type the telephone number (such as “#777”) as required in the text box and select the

country or region code {e.g., United States of America (1)}
in the drop-down list box.

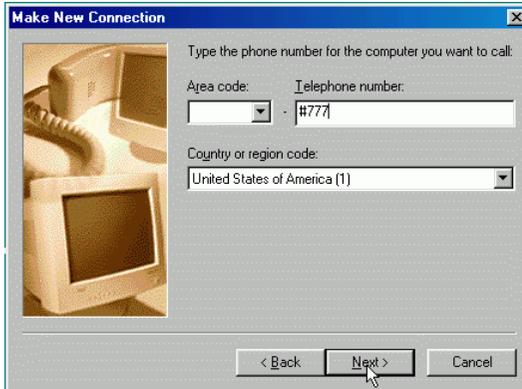


Figure 3-32 Type Dialing Number

- 3) Click <Next> to enter the interface shown in Figure 3-33, then click <Finish> to complete the establishment of Dial-Up Networking.



Figure 3-33 Finish Dial-Up Networking Establishment

- 4) In the [Dial-Up Networking] dialog box shown in Figure 3-34, right click the icon “HUAWEI WIRELESS MODEM” to pop up a shortcut menu, and then click [property] to activate properties dialog box, and uncheck the check box followed by [Use area code and Dialing Properties], as shown in Figure 3-35.

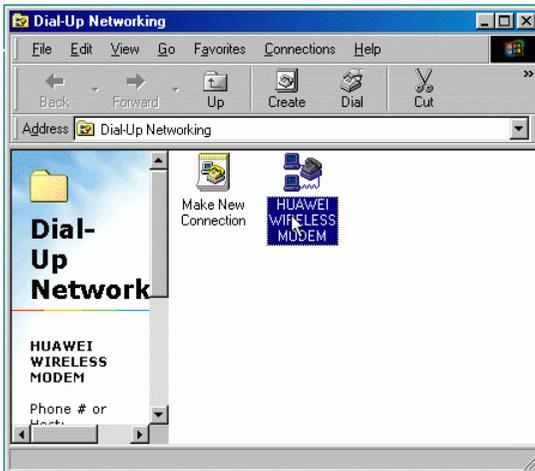


Figure 3-34 HUAWEI WIRELESS MODEM



Figure 3-35 Dialing Properties

- 5) In the [Dial-Up Networking] dialog box shown in Figure 3-34, double click the icon "HUAWEI WIRELESS MODEM" to pop up the [Connect To] dialog box, as shown in Figure 3-36. Then enter User name "huawei", Password "huawei" and Phone number "#777" in the corresponding text boxes. Click <Connect> to enter the dialing state. If the user name and password pass the authentication from the server, you can conduct the data services.



Figure 3-36 Dialing Setting



Caution:

You need to enter a high-speed packet access phone number in establishing a dialup connection. The login user name and password may be different in different networks. For more details, consult the local carrier while applying for the data services.

II. Dial Up to the Internet on Windows 2000

- 1) Click

[Start/Programs/Accessories/Communications/Network

and Dial-up Connections], and the [Network and Dial-up Connections] dialog box will pop up. Click [File/Make New Connection] to pop up the interface [Network Connection Wizard], as shown in Figure 3-37. Then click <Next> to continue.

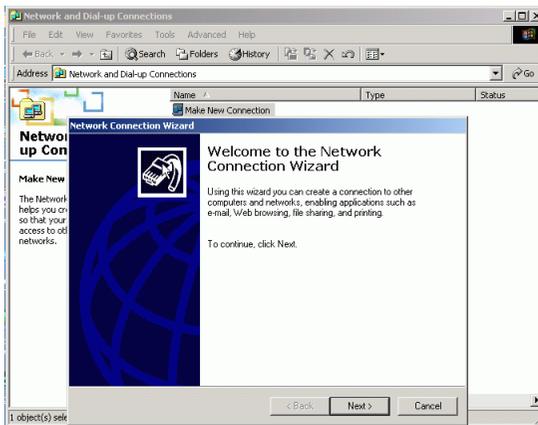


Figure 3-37 Network Connection Wizard

- 2) As shown in Figure 3-38, select the radio button followed by [Dial-up to private network], then click <Next>.

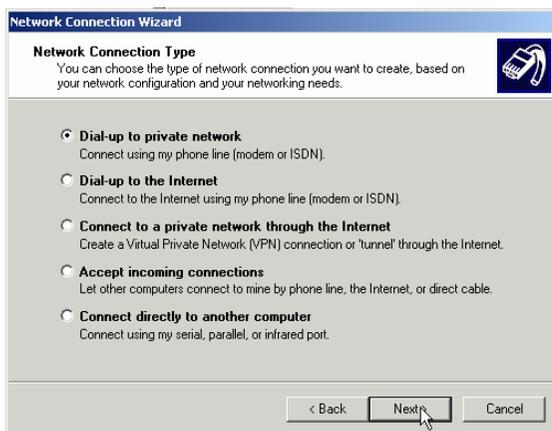


Figure 3-38 Select Network Connection Type

- 3) As shown in Figure 3-39, if only HUAWEI WIRELESS MODEM is installed in your operating system, you will not see the following window. Otherwise, select “HUAWEI WIRELESS MODEM”, then click <Next>.



Figure 3-39 Select the Modem

- 4) As shown in Figure 3-40, enter the phone number (e.g., “#777”) as required, then click <Next>.

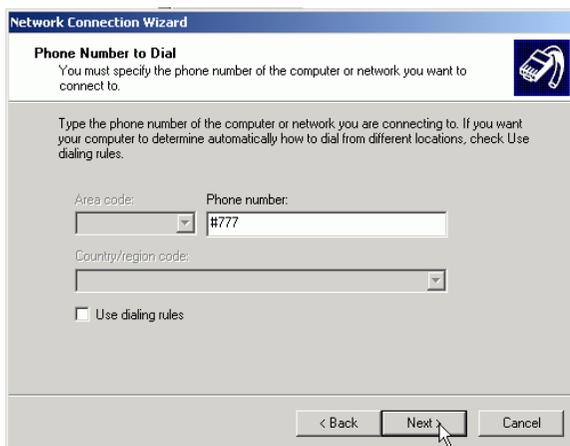


Figure 3-40 Enter Phone Number

- 5) As shown in Figure 3-41, select the radio button followed by [For all users], then click <Next>.



Figure 3-41 Connection Availability

- 6) As shown in Figure 3-42, type the name (e.g., "HUAWEI WIRELESS MODEM") you want to use for this connection, then click <Finish> to complete the establishment of dialing connection.



Figure 3-42 Finish Network Connection

- 7) In the [Network and Dial-up Connections] window, double click the new connection "HUAWEI WIRELESS MODEM" to enter the interface shown in Figure 3-43, then click <Dial> to enter the dialing state. If the user name and password pass the authentication from the server, you can conduct the data services.

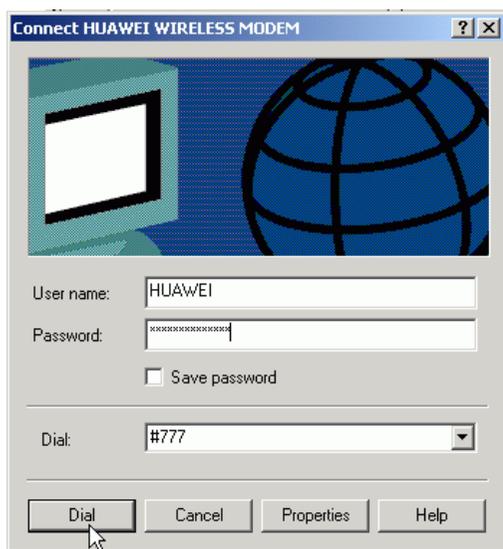


Figure 3-43 Dial-up to the Internet



Caution:

You need to enter a high-speed packet access phone number in establishing a dialup connection. The login user name and password may be different in different networks. For more details, consult the local carrier while applying for the data services.

III. Dial Up to the Internet on Windows XP

- 1) Click [Start/Programs/Accessories/Communications/Network Connections], and the [Network Connections] dialog box will pop up. Click the menu item [Create a new connection] to pop up the interface [New Connection Wizard], as shown in Figure 3-44, then click <Next>.

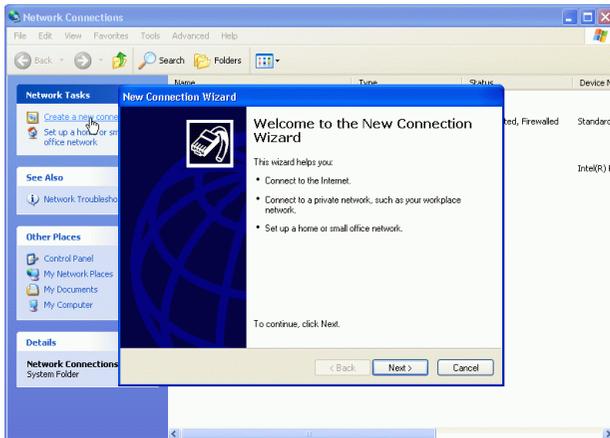


Figure 3-44 New Connection Wizard

- 2) As shown in Figure 3-45, select the radio button followed by [Connect to the Internet], then click <Next>.



Figure 3-45 Select Network Connection Type

- 3) As shown in Figure 3-46, select the radio button followed by [Set up my connection manually] then click <Next>.



Figure 3-46 Select Connection Mode

- 4) As shown in Figure 3-47, select the radio button followed by [Connect using a dial-up modem], then click <Next>.

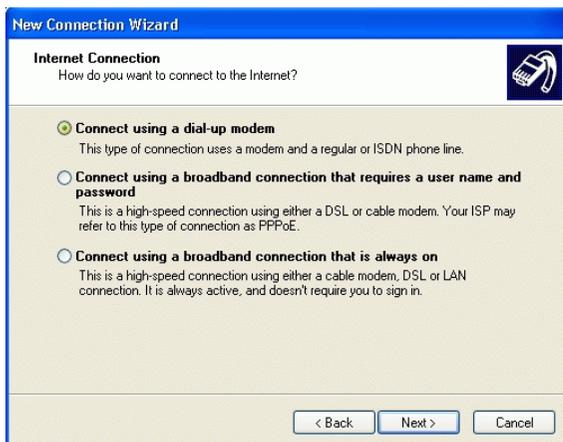


Figure 3-47 Select a dial-up Modem

- 5) As shown in Figure 3-48, if only HUAWEI WIRELESS MODEM is installed in your operating system, you will not see the following window. Otherwise, select “HUAWEI WIRELESS MODEM”, then click <Next>.

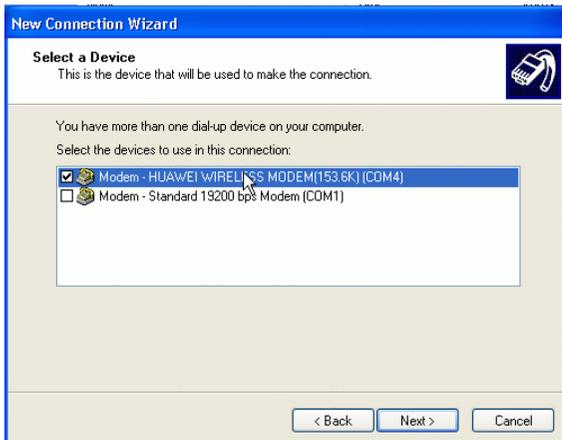


Figure 3-48 Select Modem

- 6) As shown in Figure 3-49, enter the ISP Name (e.g., "HUAWEI") as required, then click <Next>.



Figure 3-49 Enter ISP Name

- 7) As shown in Figure 3-50, enter the Phone number (e.g., “#777”) as required, then click <Next>.

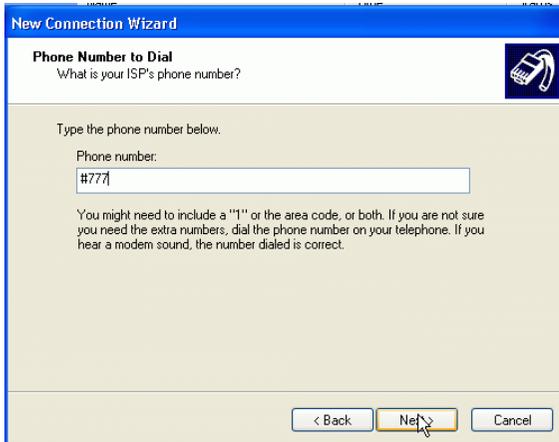


Figure 3-50 Enter Phone Number

- 8) As shown in Figure 3-51, enter the User name (e.g., “huawei”) and Password (e.g., “huawei”) as required, then click <Next>.



Figure 3-51 Enter Internet Account Information

- 9) As shown in Figure 3-52, click <Finish> to create the connection and close this wizard.



Figure 3-52 Finish Creating a Connection

- 10) In the [Network Connections] window, double click the new connection "HUAWEI" to enter the interface shown in Figure 3-53, then click <Dial> to enter the dialing state. If the user name and password pass the authentication from the server, you can conduct the data services.



Figure 3-53 Dial up to the Internet



Caution:

You need to enter a high-speed packet access phone number in establishing a dialup connection. The login user name and password may be different in different networks. For more details, consult the local carrier while applying for the data services.

3.2.2 Low-speed Data Service Access

Compared with high-speed packet data service access, low-speed data service access provides a lower transfer rate. The differences between them are that you need to type a corresponding access telephone number, user name and password based on the access information provided by your ISP.



Caution:

It is likely that the connection rate displayed by the system is the one on a serial port. For a specific transfer rate, consult your operator.

3.2.3 PC Fax Service

You can use the PC fax service function to send/receive a fax. In addition, you can choose PC fax software as required.



Note:

For specific operations of PC fax software, refer to the instruction of the relevant software. This section only describes the relative operation of the terminal in implementing a PC fax service.

I. Preparations

- 1) Install HUAWEI WIRELESS MODEM driver on your PC.
- 2) Install the fax software on your PC.

II. Configuration Procedure

- 1) Connect one end of a USB cable to your PC, and the other end to the terminal.
- 2) Open the switch on the terminal, then enter an operating code “##43*” through the telephone connected with the terminal. Set the baud rate between the terminal and your PC to 19200 bps. If the setting succeeds, you will hear a prompt tone “Beep”.

III. PC fax sending and receiving

- 1) Before receiving PC fax data, first you need to enter the operating code “##32*” through the telephone connected with the terminal. If you hear a prompt tone “Beep”, the terminal will be set to receive fax data. Furthermore, the terminal will always be in PC fax answer status unless you turn off the terminal.
- 2) To enable the terminal to exit from the fax-receiving mode, you can enter the operating code “##30*” through the telephone connected with the terminal. If you hear a prompt tone “Beep”, the terminal will return to the voice-answering mode. In addition, you can also enable the terminal to return to the voice-answering mode through restarting the terminal.

Chapter 4 Precautions

- 1) To enable the terminal to connect to the Internet, make sure that you have applied for the data services for the terminal after purchasing the data suite from the carrier.
- 2) The login user name and password may be different in different networks. For more details, consult the local carrier while applying for the data services.
- 3) Since the line is occupied all the time during dial-up to the Internet, to place a call, you must disconnect the connection with the Internet.
- 4) During the installation of data service driver, please strictly follow the installation procedure described in this manual, and decide when to insert the USB cable.
- 5) After the installation of data service driver, please make sure the serial port of the Modem is consistent with the USB port.
- 6) After the installation of data service driver, please check if the Modem icon appears in the device explorer. If not, refresh the current display and find it.

Chapter 5 Troubleshooting

I. The system prompts that the Modem has no response at dial-up

- 1) Check whether you have switched on the terminal and connected the USB serial data cable properly.
- 2) Check whether the wireless Modem driver has been installed properly.
- 3) Check whether the baud rate on the serial interface of the Modem is 230400bps (by default). If it is not, you need to reset it to the default value and restart the FWT.

II. The system prompts that a dial-up networking connection can not be created or that the dial-up network is not connected to the server at dial-up

Check whether the user name and password typed are correct. If the fault still exists, contact the operator.

III. The system prompts that the remote server has no response at dial-up

- 1) Check whether the telephone number typed is correct. For example, the telephone number is “#777” when you dial up through the high-speed packet data service. For a specific number, consult the operator.
- 2) It is possibly that the remote server is busy. Retry later.

- 3) Make sure that you have applied for the data services.

IV. The serial port number of the Modem is not consistent with that of the USB in Win98/WinXP/Win2000 system

In Win98 system, you need to modify the serial port number of the Modem so that the serial port number of the Modem is the same as that of the USB. The process is shown as the follows:

- 1) Double click Modems at the control panel.
- 2) Select "HUAWEI WIRELESS MODEM (153.6K)".
- 3) Click <Properties>.
- 4) Select "Communications Port".
- 5) Click <Ok>.

In WinXP/Win2000 system, if the serial port number of the USB is changed which is not consist with that of the Modem, you can not modify the port number of the Modem. You must to reinstall the Modem follow the following steps.

- 1) Double click "Phone and Modem Options" at the control panel.
- 2) Select "Modems" tab.
- 3) Click <Add>.
- 4) Select "Don't detect my modem; I will select it from a list".
- 5) Click <Have Disk...>.
- 6) Put the CD of the data service which is came with the terminal to the CD-ROM and look for the following path: Driver Files\WinXP(Win2000).
- 7) Select the serial port number which is the same as that of the USB.