## HUAWEI

HUAWEI ETS1000 Series Fixed Wireless Terminal Data Service

**User Manual** 

V200R003

User Manual

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## Huawei Technologies Co., Ltd.

Address: Administration Building, Huawei Technologies Co., Ltd.,

Bantian, Longgang District, Shenzhen, P. R. China

Postal Code: 518129

Website: http://www.huawei.com

Email: mobile@huawei.com

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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 <b>Boldface</b> .	
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.</ok>
[]	Window names, menu items, data table and field names are inside square brackets. For example, pop up the [New User] window.
1	Multi-level menus are separated by forward slashes. For example, [File/Create/Folder].

## III. Keyboard operation

Format	Description
<key></key>	Press the key with the key name inside angle brackets. For example, <enter>, <tab>, <backspace>, or <a>.</a></backspace></tab></enter>
<key1+key2></key1+key2>	Press the keys concurrently. For example, <ctrl+alt+a> means the three keys should be pressed concurrently.</ctrl+alt+a>
<key1, key2=""></key1,>	Press the keys in turn. For example, <alt, a=""> means the two keys should be pressed in turn.</alt,>

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



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

 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.

### Discrete 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.

Choose S	etup Language	×
	Select the language for this the choices below.	installation from
	English	
	<u>RK</u>	Cancel



 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.





 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.

	F	Browse

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.

HUATEI Tireless Nodem	×
Install Guide	
UMP3410 Serial Port not found	
Step 1	
Plug the USB Cable into USB port of your comp	outer.
Step 2	
System will find new device automatically.	
Step 3	
Press "Next", to start install HUAWEI WIRELES	SS MODEM.
InstallShield	
	< Back. Next > Cancel

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

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

Modems Properties
General Diagnostics
The following modems are set up on this computer:
Standard 19200 by: Modern
Add     Remove Properties     Dialing preferences
Dialing from: New Location
Click Dialing Properties to modify how your calls are dialed.
Dialing Properties
Close Cancel

Figure 3-6 Modems Properties

 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.

System Properties	? ×
General Device Manager Hardware Profiles Performance	
General       Device Manager       Hardware Profiles       Performance         View devices by type       View devices by connection         Keyboard       Modem         Modem       Monitors         Network dapters       Other devices         Other devices       Ports (COM & LPT)         Communications Port (COM1)       Communications Port (COM2)         ECP Printer Port (LPT1)       ECP Printer Port (COM3)         Sound, video and game controllers       System devices	*
Properties Refresh Remove P	▼ ri <u>n</u> t
	Cancel

Figure 3-7 System Properties

## 3.1.2 Install Windows 2000 system Driver

 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

## Dote:

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.

Choose Se	etup Language 🛛 🔀
2	Select the language for this installation from the choices below.
	English

Figure 3-8 Choose Setup Language

 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

 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.

HUAWEI Wireless Modem		×
Select Install Path		
Please select the path to install the driver files.		
C:\HUAWEI\MDDEM		Browse
	< <u>B</u> ack <u>N</u> ext>	Cancel

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.

HUAWEI Wireless Modem		
Install Guide		
"TIUMP USB Serial Port" was not finded on your computer. Please Port" driver first.	Install "TIUMP USB Serial	
Step 1		
Plug the USB Cable into USB port of your computer. HardWare Wizard will find new device "TIUSB3410". Select "Insta automatically" and go on The operating system will install the driver	II the software automatically.	
Step 2 HardWare Wizard will find another new device "TIUMP USB Serial software automatically" and go on The operating system will install t	Port''. Select ''Install the he driver automatically.	
Step 3		
Press "Next", to start install HUAWEI WIRELESS MODEM		
InstallShield		
< Back	Next > Cancel	



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

 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

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

HUAWEI Wireless Modem		
	Setup Complete	
	Congratulation! Setup Program has installed HUAWEI MODEM on your computer successfully.	
	You Can use data service provided by HUAWEI WIRELESS MODEM.	
$U \ge V$		
	< Back Finish Cancel	

Figure 3-15 Setup Complete

 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

 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.

### Dote:

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.

Choose 9	Setup Language 🛛 🔀
	Select the language for this installation from the choices below.
<ol> <li>March 1998 And Annalysis</li> </ol>	
	English

Figure 3-17 Choose Setup Language

 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

 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.

HUAVEI Vireless Nodem	X
Select Install Path	
Please select the path to install the driver files.	
Destination Folder	
C:\HUAWEI\MODEM	Browse
InstallShield	
	< Back Next> Cancel

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.

HUAWEI Wireless Modem		
Install Guide		
"TIUMP USB Serial Port" was not finded on your computer. Please Install "TIUMP USB Serial Port" driver first.		
Step 1		
Plug the USB Cable into USB port of your computer. HardWare Wizard will find new device "TIUSB3410". Select "Install the software automatically" and go on. The operating system will install the driver automatically.		
Step 2		
HardWare Wizard will find another new device "TIUMP USB Serial Port". Select "Install the software automatically" and go on. The operating system will install the driver automatically.		
Step 3		
Press "Next", to start install HUAWEI WIRELESS MODEM		
InstallShield		
< Back Next > Cancel		



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.

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	TUSB3410 Boot Device
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	K Back Nert> Cancel

Figure 3-21 Found TIUSB3410

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: TUSB3410
	Llick Finish to close the wizard.
	< Back Finish Cancel

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

Hardwa	re Installation
1	The software you are installing for this hardware: TIUMP USB Serial Port has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> ) <b>Continuing your installation of this software may impair</b> or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

Figure 3-24 Windows Logo Testing

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard The wizard has finished installing the software for:	
	TIUMP USB Serial Port	
	Click Finish to close the wizard.	
	K Back	

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.

Hardwa	re Installation
1	The software you are installing for this hardware: HUAWEI WIRELESS MODEM(153.6K) has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

Figure 3-28 Windows Logo Testing

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





 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>.

Make New Connection	
	Type a name for the computer you are dialing:
1	HUAWEI WIRELESS MODEM
Arm.	Select a device:
	Configure
	< <u>B</u> ack. <u>Next</u> > Cancel

Figure 3-31 Select Modem

 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.

Make New Connection	
	Type the phone number for the computer you want to call: Agea code: Ielephone number: I I I I I I I I I I I I I I I I I I I
	< Back Next > Cancel

Figure 3-32 Type Dialing Number

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

Make New Connection	
	You have successfully created a new Dial-Up Networking connection called: FUAWEL WIRELESS MODEM Click Finish to save it in your Dial-Up Networking folder. Double-click it to connect. To edit this connection later, click it, click the File menu and then click Properties.
	< Back Finish Cancel

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

HUAWEI WIRELESS MODEM ? 🗙
General Server Types Scripting Multilink
Phone number: Area code: Telephone number:
Country code:
Use area code and Dialing Properties
HUAWEI WIRELESS MODEM(153.6K)
OK Cancel

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.

Connect To		? ×
во ни	AWEI WIRELESS	
<u>U</u> ser name: <u>P</u> assword:	huawei	
Phone <u>n</u> umber: Dialing <u>f</u> rom:	#777	Dial Properties
	Conpect	Cancel

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>.

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

Figure 3-38 Select Network Connection Type

 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>.

etwork Connection Wizard	
Phone Number to Dial You must specify the phot connect to.	ne number of the computer or network you want to
Type the phone number o your computer to determin dialing rules.	f the computer or network you are connecting to. If you want e automatically how to dial from different locations, check. Use
Area code;	Phone number: #777
Country/region code:	
Use dialing rules	
	Cancel

### 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>.

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
C Only for myself
< Back Newt> Cancel

Figure 3-41 Connection Availability

 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.

Connect HUAW	EI WIRELESS MODEM	?×
		Ÿ
User name:	HUAWEI	
Password:	********	
	Save password	
Dial:	#777	•
Dial	Cancel Properties	Help

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

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

New Connection Wizard
Network Connection Type What do you want to do?
<ul> <li>Connect to the Internet         Connect to the Internet so you can browse the Web and read email.</li> <li>Connect to the network at my workplace         Connect to a business network (using dial-up or VPN) so you can work from home,         a field office, or another location.</li> <li>Set up a home or small office network         Connect to an existing home or small office network or set up a new one.</li> <li>Set up a advanced connection         Connect to another computer using your serial, parallel, or infrared port, or         set up this computer so that other computers can connect to it.</li> </ul>
< Back Nrgt > Cancel

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>.

New Connection Wizard
Getting Ready The wizard is preparing to set up your Internet connection.
How do you want to connect to the Internet?
Choose from a list of Internet service providers (ISPs)
Set up my connection manually
For a dial-up connection, you will need your account name, password, and a phone number for your ISP. For a broadband account, you won't need a phone number.
○ Use the CD I got from an ISP
Kert Cancel

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>.

ew Co	nnection Wizard
Sele	ct a Device This is the device that will be used to make the connection.
۲ و	'ou have more than one dial-up device on your computer. ielect the devices to use in this connection:
	Modem - HUAWEI WIRELINS MODEM(153.6K) (COM4)
L	
	<pre></pre>

## Figure 3-48 Select Modem

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

New Connection Wizard
Connection Name What is the name of the service that provides your Internet connection?
Type the name of your ISP in the following box. ISP Name
HUAWEI
The name you type here will be the name of the connection you are creating.
Cancel

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>.

indue time	a series
New Connection Wizard	
Phone Number to Dial What is your ISP's phone number?	Ì
Type the phone number below. Phone number:	
#777	
You might need to include a "1" or the area code, or both. If you are not su you need the extra numbers, dial the phone number on your telephone. If yo hear a modern sound, the number dialed is correct.	re Nu
Kack Netz	Cancel

Figure 3-50 Enter Phone Number

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

New Connection Wizard			
Internet Account Information You will need an account name and password to sign in to your Internet account.			
Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgolten an existing account name or password, contact your ISP.)			
User name:	huawei		
Password:	•••••		
Confirm password:	•••••		
Use this account name and password when anyone connects to the Internet from this computer			
✓ Make this the default Internet connection			
☑ Turn on Internet Connection Firewall for this connection			
< Back News Cancel			

Figure 3-51 Enter Internet Account Information

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

New Connection Wizard	
	Completing the New Connection Wizard You have successfully completed the steps needed to create the following connection: HUAWEI • Make this the default connection • This connection is firewalled • Share with all users of this computer • Use the same user name & password for everyone The connection will be saved in the Network Connection stolder.
	I o create the connection and close this wizard, click Finish.
	< Back Finish Cancel
	ů.

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.



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.

## A 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

- 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**

- 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.
- 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.
- 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

- 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...>.
- 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).
- Select the serial port number which is the same as that of the USB.