

CDMA2000 1X Wireless Data Terminal User Guide

This User Guide is used for Wireless Data Terminal of MG880.

Copyright Statement

Copyright © 2007 by ZTE Corporation

All rights reserved.

No part of this publication may be excerpted, reproduced, translated or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without the prior written permission of ZTE Corporation.

ZTE Corporation reserves the right to make modifications on print errors or update specifications in this manual without prior notice.

V1.0, Apr, 2007

Table of Contents

1. Introduction.....	1
2. Precautions.....	1
3. Appearance	2
3.1 Introduction.....	2
3.2 Insert R-UIM Card.....	3
3.3 Operation Guide of Data Cable.....	3
4. Install and Uninstall.....	4
4.1 Windows 2000	5
4.1.1 Install.....	5
4.1.2 Uninstall.....	9
4.2 Windows XP	10
4.2.1 Install.....	10
4.2.2 Uninstall.....	14
4.3 Windows Vista	15
4.3.1 Install.....	15
4.3.2 Uninstall.....	19
5. Run the Application	20
6. Connect/Disconnect.....	22
7. Connection Records.....	23
8. Voice Call.....	24
9. Call History.....	28
10. Short Message.....	29
11. Phone Book.....	32
12. Setting.....	34
13. Help	37
14. Connect to the Website	37
15. Trouble-shooting.....	38
16. Health and Safety Information – RF Exposure Information.....	40

1. Introduction

Thank you for choosing MG880 CDMA2000 1X Wireless Data Terminal (hereinafter referred to as Data Terminal) of ZTE Corporation.

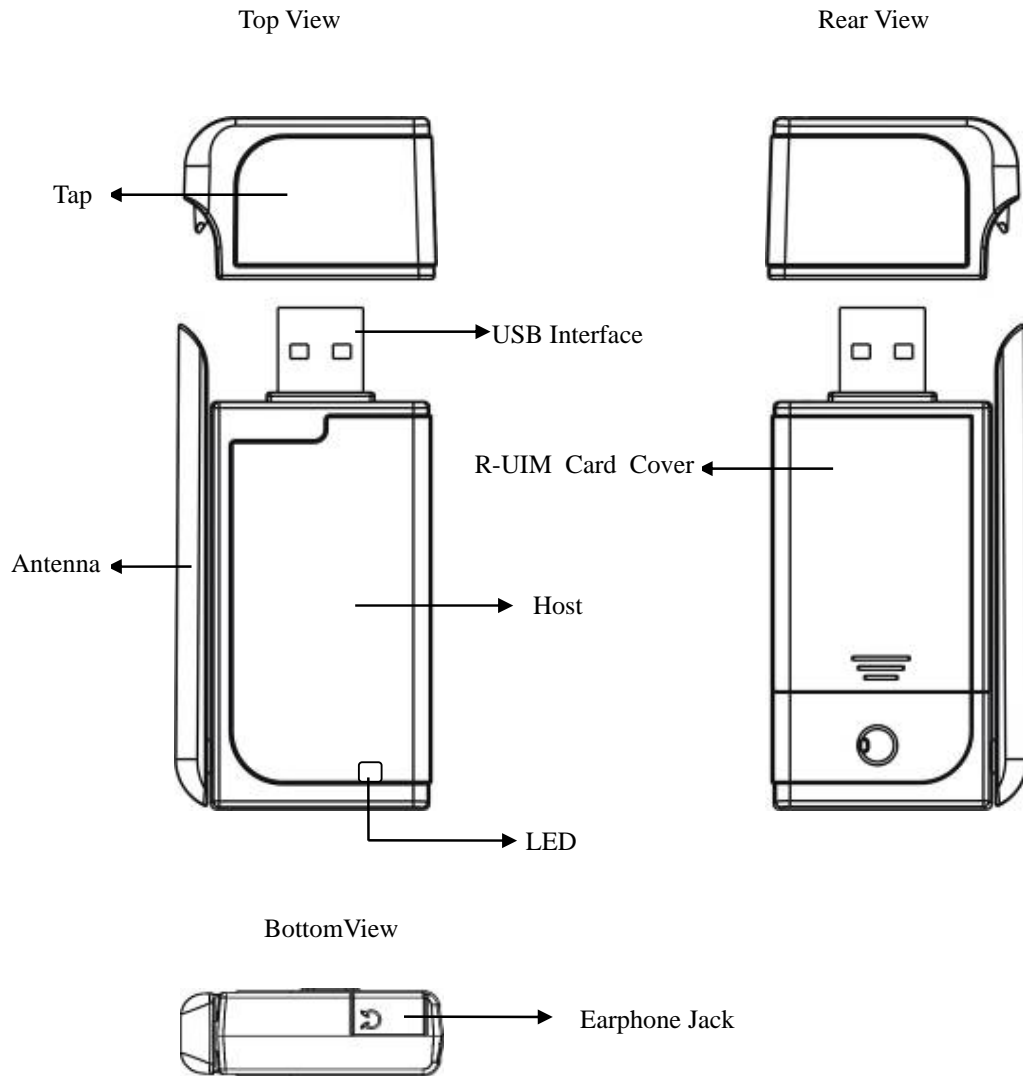
Through a standard USB interface, Data Terminal supports CDMA2000 1X network. In the area where there is signal, it allows you to go surfing on the Internet, send & receive short messages, and make & receive phone calls.

2. Precautions

- Please don't use the product near flammable or explosive materials because it might cause failure or fire.
- Keep the product away from high temperature, humidity, or dust because it might cause failure.
- Avoid shock, cast or impact. Please keep the product well when you don't use it.
- **Do not unplug the antenna. Damage cause by misuse is not covered by this warranty.**
- Don't use the product near the place where is weak signal or high-precision electronic device because the magnetic interference might cause the misoperation of electronic device or other problems.
- **Please make sure to quit the application before unplugging the terminal, otherwise it would damage the terminal or affect the normal operation of the system.**
- Please don't insert or pull out the card with great force to avoid damaging the interface.

3. Appearance

3.1 Introduction



LED status descriptions:

LED	Inserting the data terminal	The data terminal is working	Upon an incoming call
Yellow	OFF	OFF	Flash
Green	OFF	Always ON	Always ON

3.2 Insert R-UIM Card

Note: If your data terminal doesn't need R-UIM card, please skip this section.

1. Pull out the tap
2. Take out the R-UIM card cover in the direction indicated by the arrow
3. Insert R-UIM card as below figure



4. Push back R-UIM card cover in the direction indicated by the arrow



3.3 Operation Guide of Data Cable

Generally, the Data Terminal could be directly connected with USB port. You could also connect the Data Terminal with PC by using the accompanying data cable, as shown in the following figure. Connect Interface ① with Data Terminal, and interface ② with PC's USB port. If the power supply from USB port is insufficient, connect both interface ② and ③ with USB port together.



4. Install and Uninstall

System Requirements:

The Data Terminal supports the following operating system:

- Windows 2000
- Windows XP
- Windows Vista

PC minimum configurations:

CPU	Pentium-II/233MHz
USB interface	2.0 (USB1.0 and 1.1 compatible)
Optical Drive	CD-ROM (for installation only)
Memory	64 MB
Disk Space	50 MB (used for installation of application)

4.1 Windows 2000

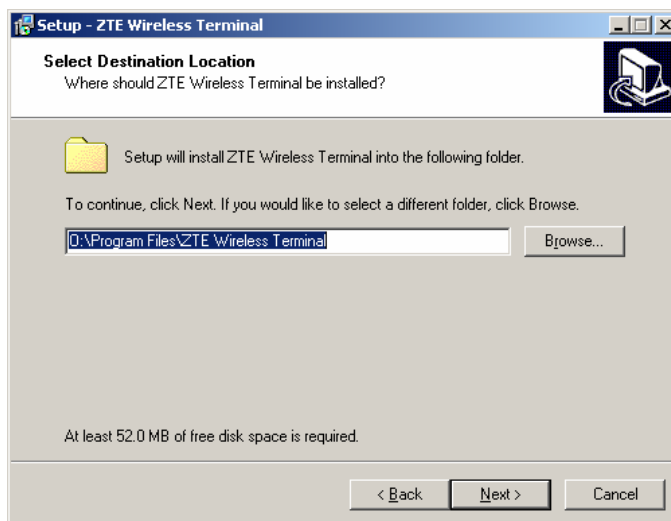
4.1.1 Install

Note: Do not insert the Data Terminal before installation.

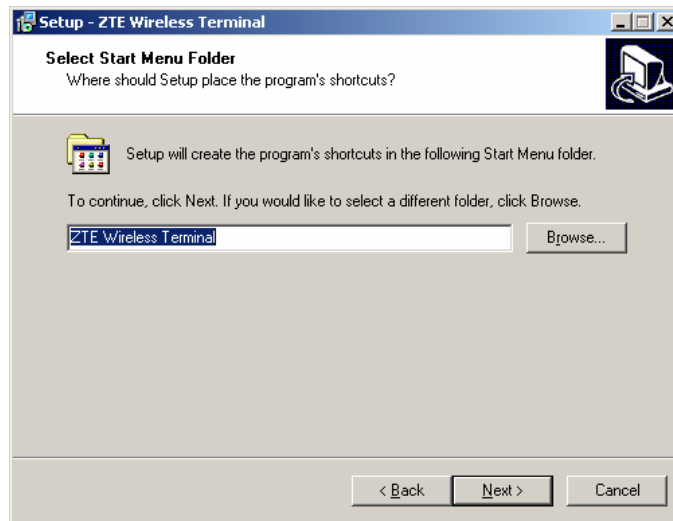
- 1、 Find “Setup.exe” firstly in Data Terminal CD-ROM, double-click it to display the Welcome picture, and then click “Next”;



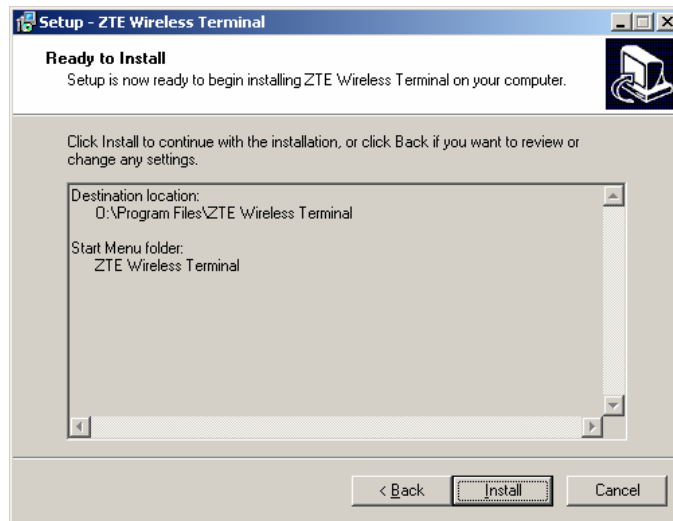
- 2、 Select the location where you want the program to be installed, and then click “Next”;



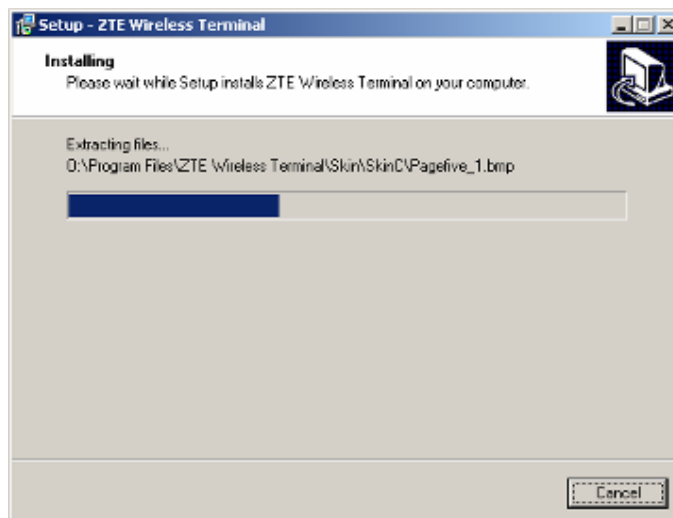
3、 Select Start Menu folder, and then click “Next”;



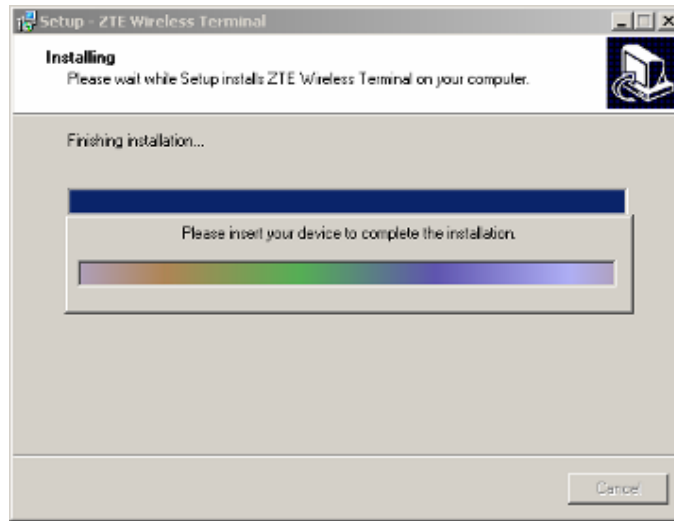
4、 When you see the window below, please click “Install”;



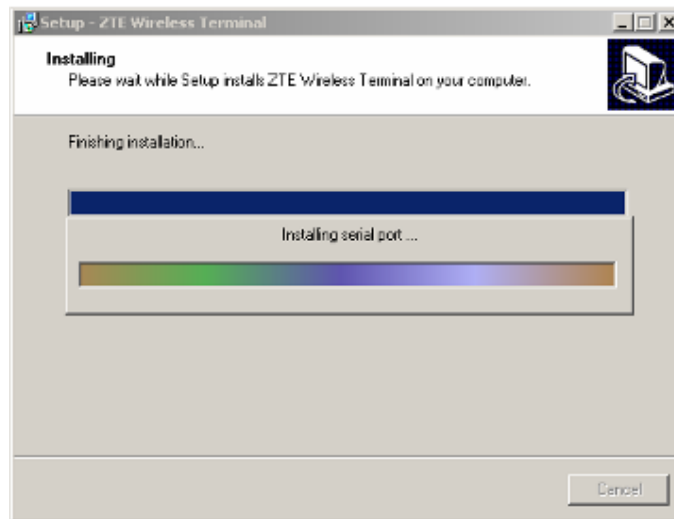
5、 Please wait for installation.



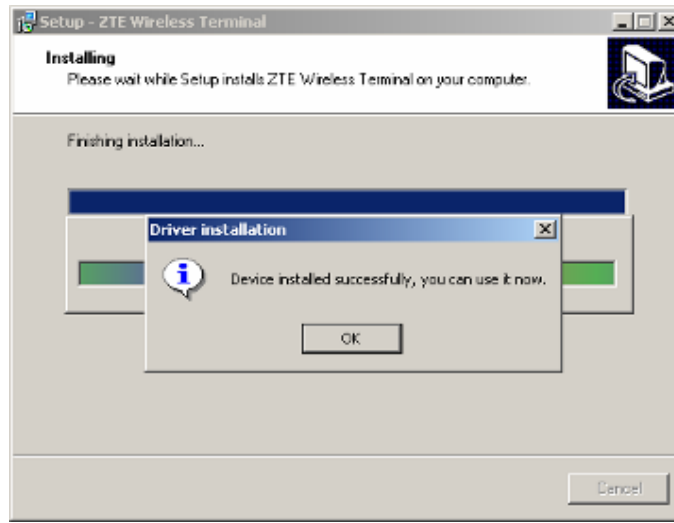
6、 Please insert the Data Terminal into USB interface if the system prompts you to insert the hardware (If it has been inserted, please unplug it and insert again.)



7、 The system shall find the new hardware and install the driver automatically. Just wait a minute;



8、 The driver is installed successfully. Pleas click “OK”;

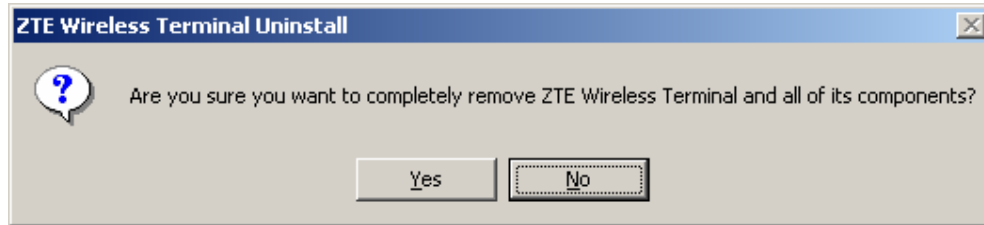


9、 Click “Finish” to close the last screen of the wizard. Now you can start the application for Data Terminal.

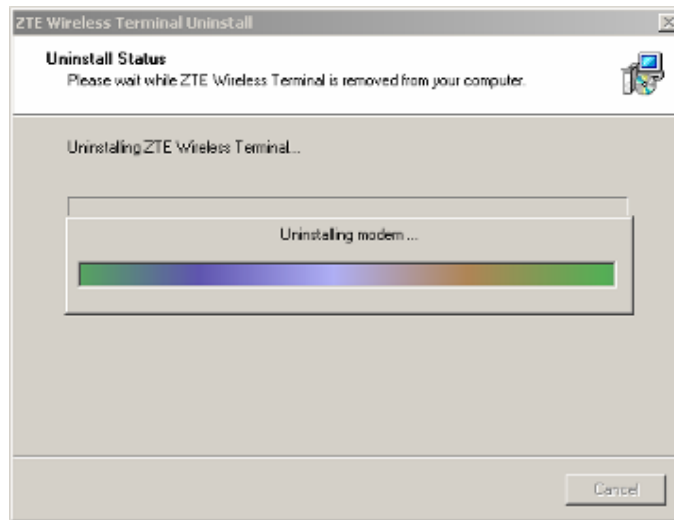


4.1.2 Uninstall

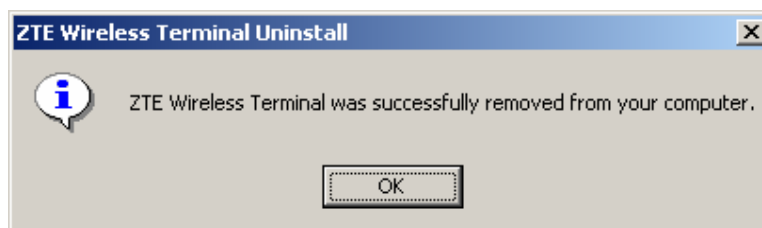
1、 Select Start -> Programs -> ZTE Wireless Terminal -> Uninstall ZTE Wireless Terminal. Click “Uninstall ZTE Wireless Terminal”, and you will be asked if you want to remove the program. Click “Yes”;



2、 Please wait;



3、 Click “OK” when un-installation is completed;

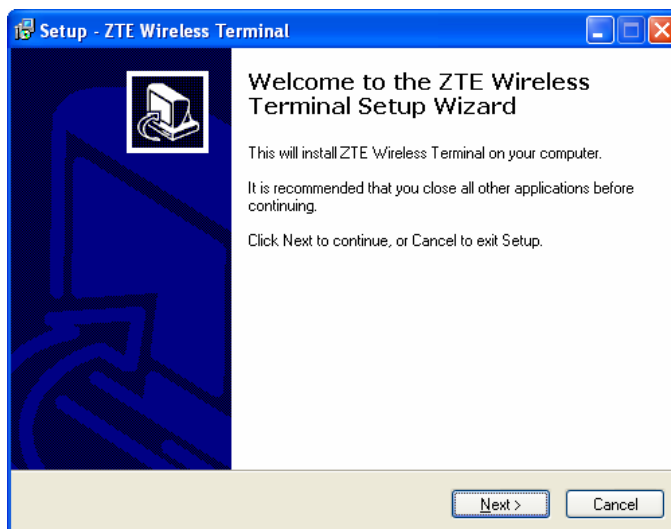


4.2 Windows XP

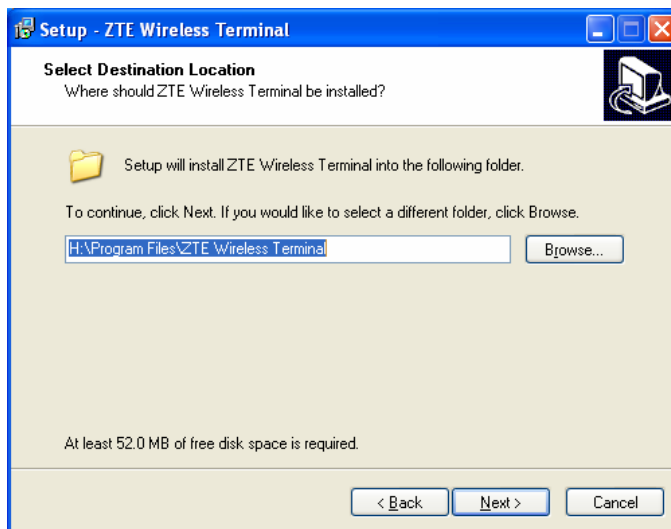
4.2.1 Install

Note: Do not insert the Data Terminal before installation.

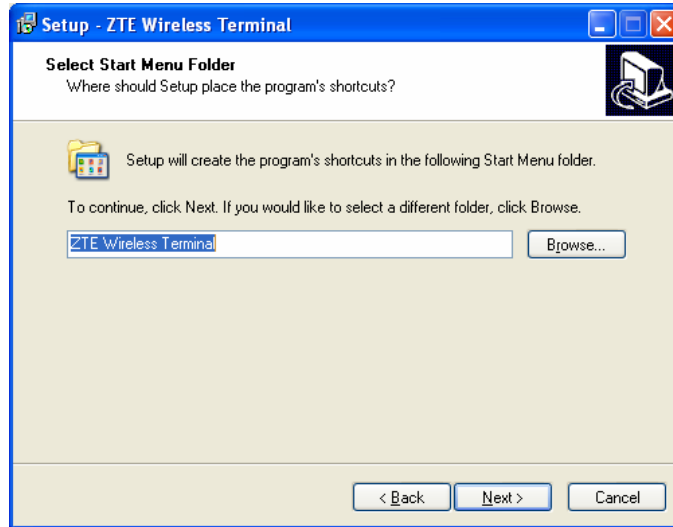
1、 Find “Setup.exe” firstly in the Data Terminal CD-ROM, double-click it to display the Welcome picture, and then click “Next”;



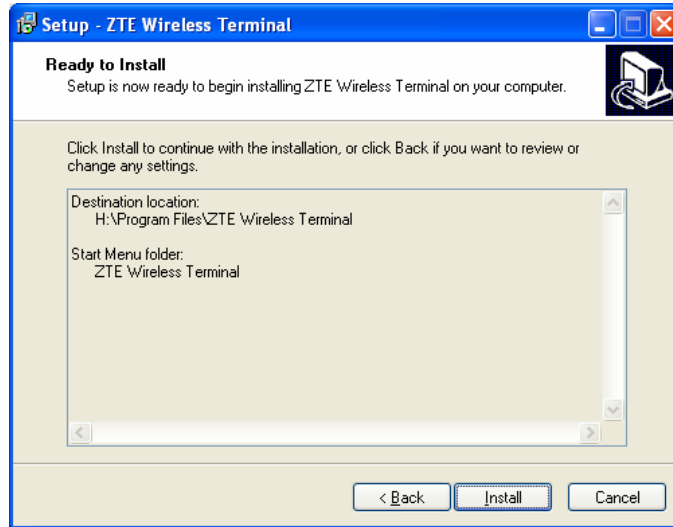
2、 Select the location where you want the program to be installed, and then click “Next”;



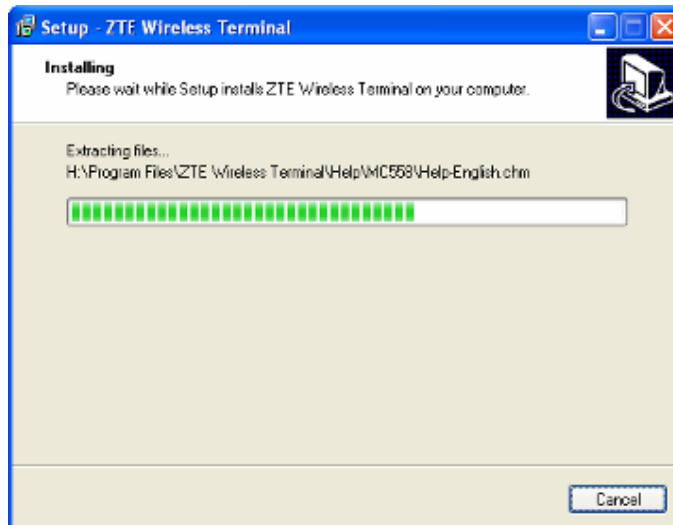
3、 Select Start Menu folder, and then click “Next”;



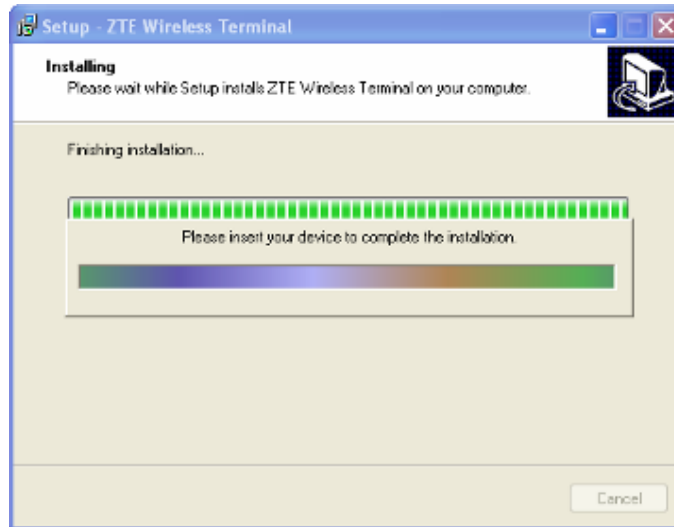
4、 When you see the window below, please click “Install”;



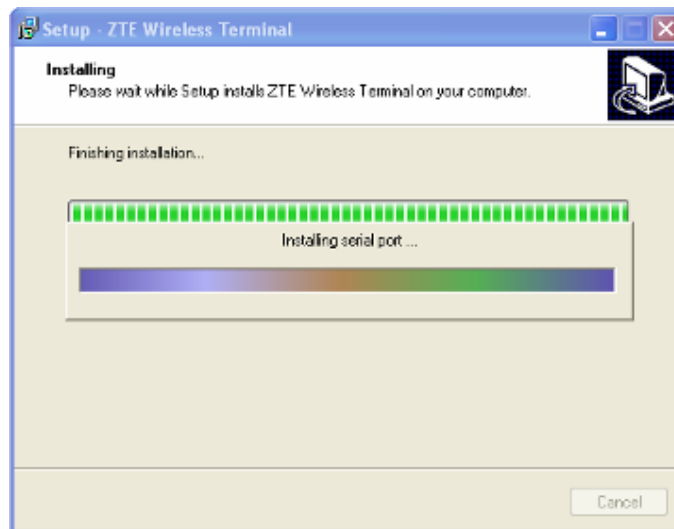
5、 Please wait for installation;

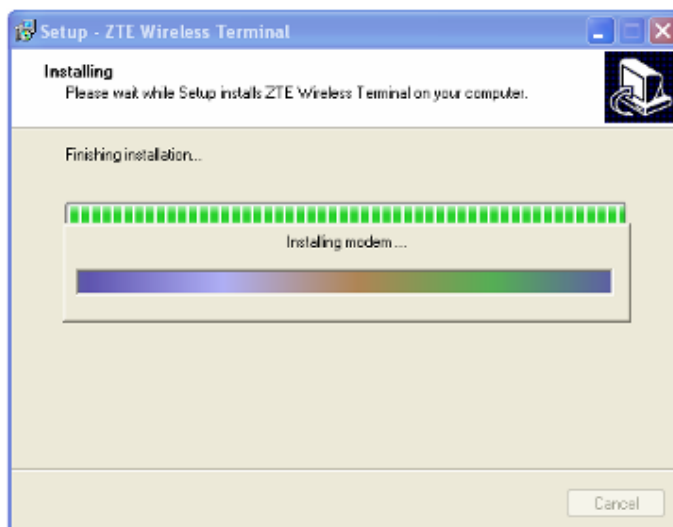


6、 Please insert the Data Terminal into USB interface if the system prompts you to insert the hardware (If it has been inserted, please unplug it and insert again.)

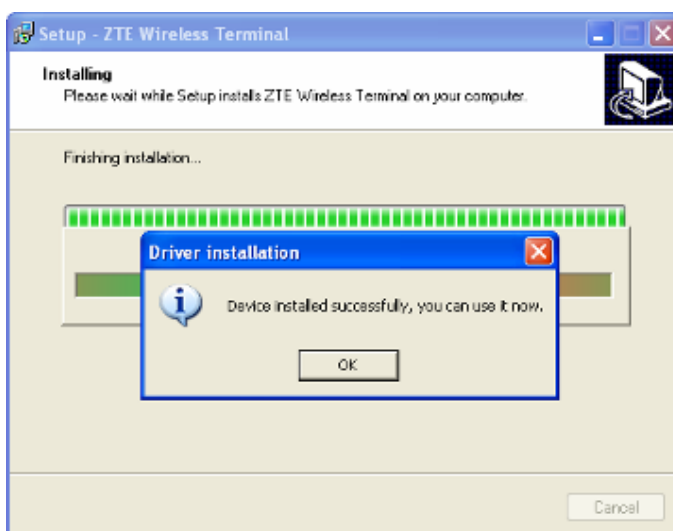


7、 The system shall find the new hardware and install the driver automatically. Just wait a minute.(Please ignore the prompt during the installation, such as “USB device not recognized” or “Your hardware might not be able to work normally because there is an error during the hardware installation.”)

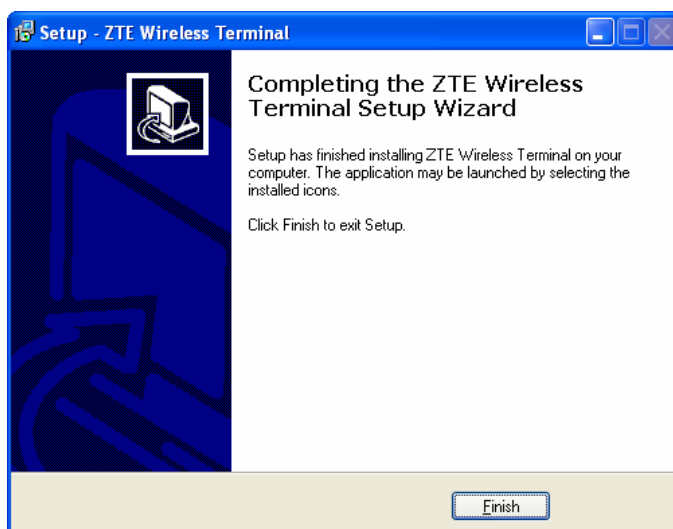




8、 The driver is installed successfully. Please click “OK”;

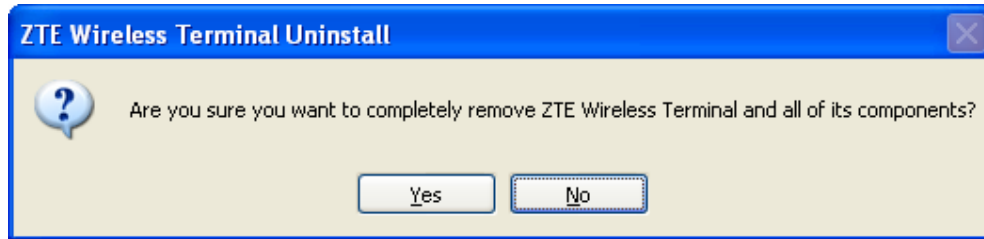


9、 Click “Finish” to close the last screen of the wizard. Now you can start the application for data terminal.

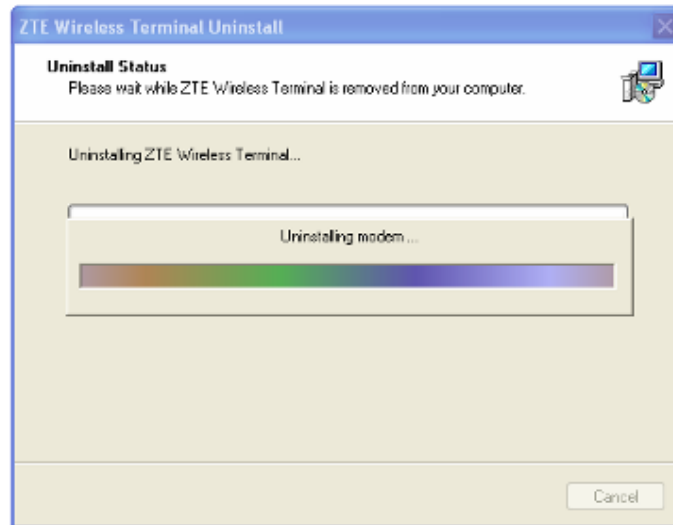


4.2.2 Uninstall

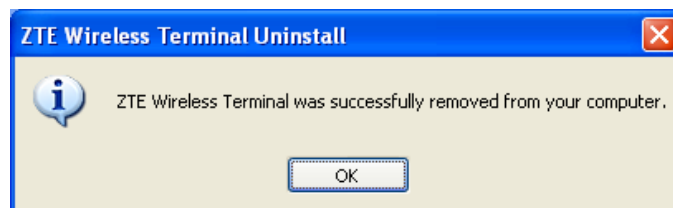
1、 Select Start -> Programs -> ZTE Wireless Terminal -> Uninstall ZTE Wireless Terminal. Click “Uninstall ZTE Wireless Terminal”, and you will be asked if you want to remove the program. Click “Yes”;



2、 Please wait;



3、 Click “OK” when un-installation is completed.

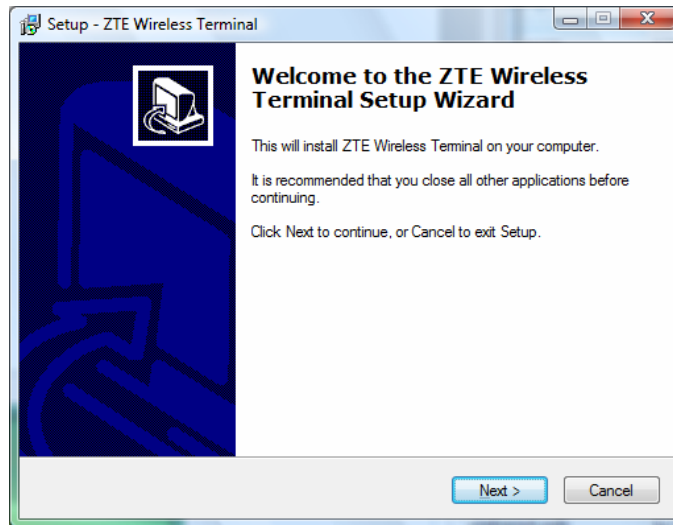


4.3 Windows Vista

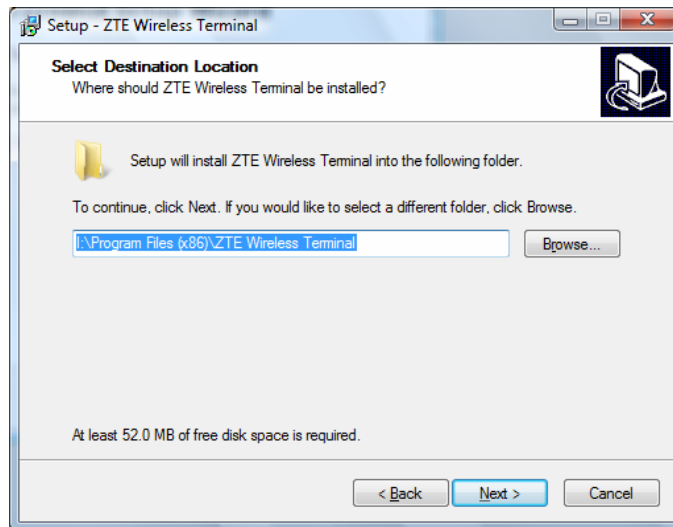
4.3.1 Install

Note: Do not insert the Data Terminal before installation.

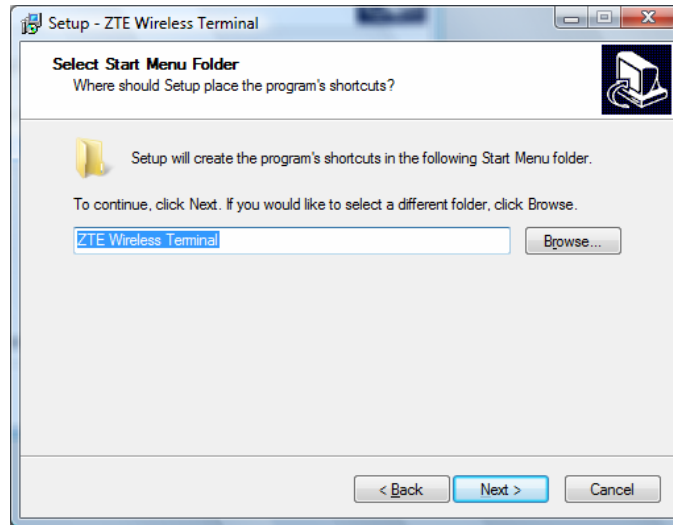
1、 Find “Setup.exe” firstly in the Data Terminal CD-ROM, double-click it to display the Welcome picture, and then click “Next”;



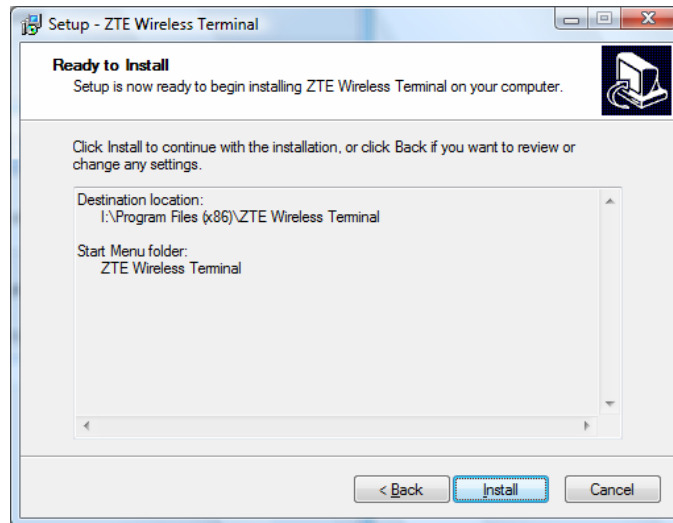
2、 Select the location where you want the program to be installed, and then click “Next”;



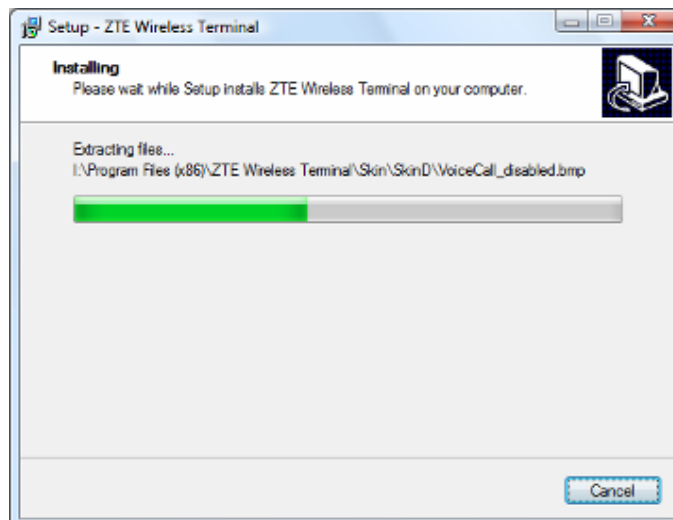
3、 Select Start Menu folder, and then click “Next”;



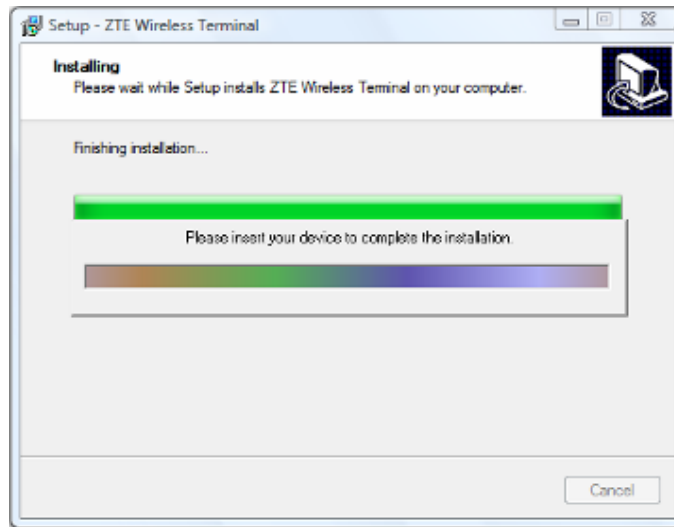
4、 When you see the window below, please click “Install”;



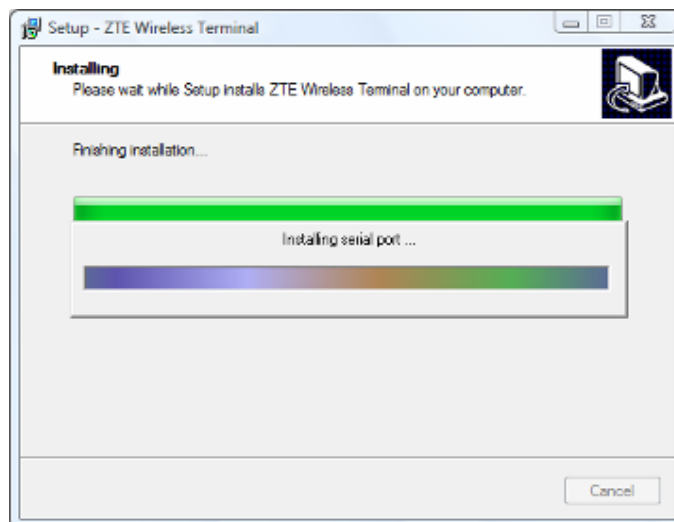
5、 Please wait for installation;

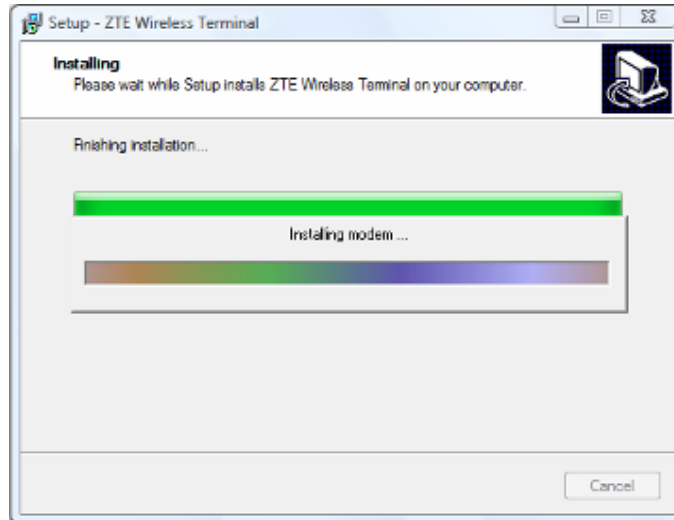


6、 Please insert the Data Terminal into USB interface if the system prompts you to insert the hardware (If it has been inserted, please unplug it and insert again.)

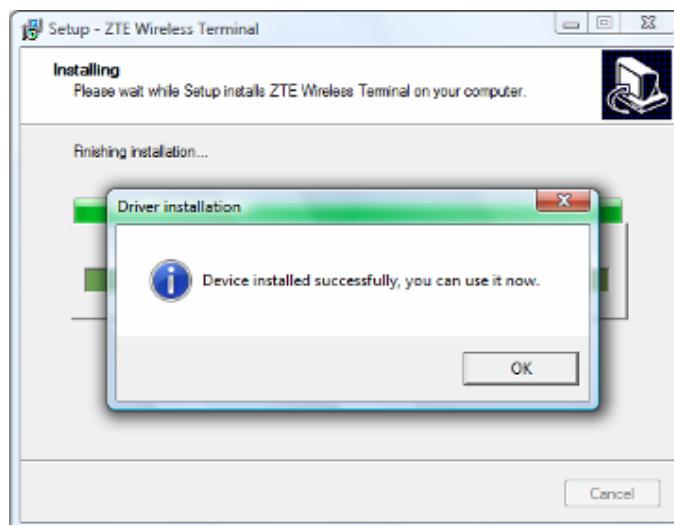


7、 The system shall find the new hardware and install the driver automatically. Just wait a minute.(Please ignore the prompt during the installation, such as “Device driver was not successfully installed”)

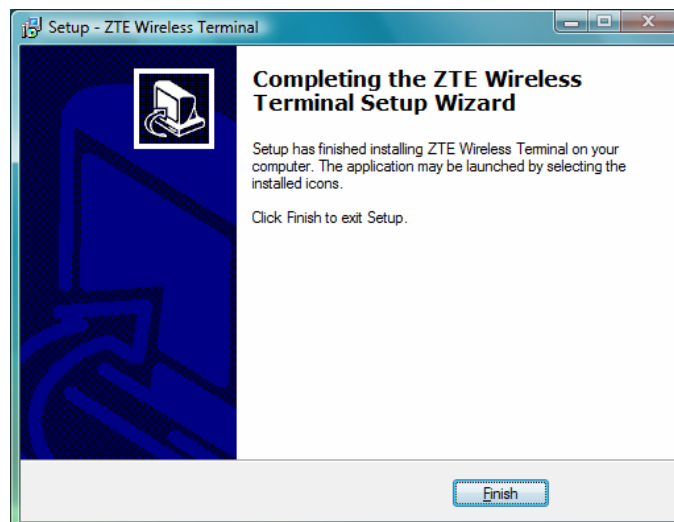




8、 The driver is installed successfully. Please click “OK”;

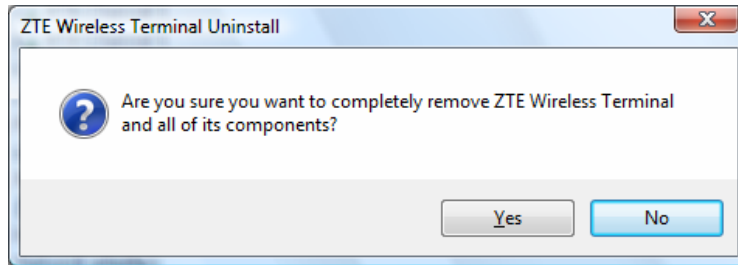


9、 Click “Finish” to close the last screen of the wizard. Now you can start the application for data terminal.

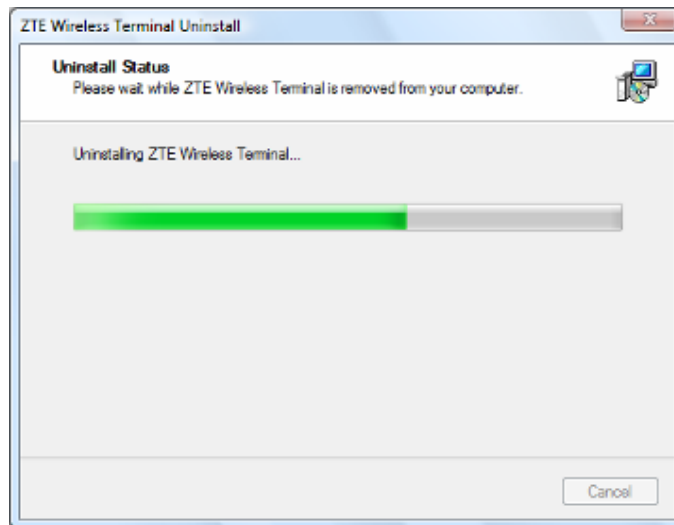


4.3.2 Uninstall

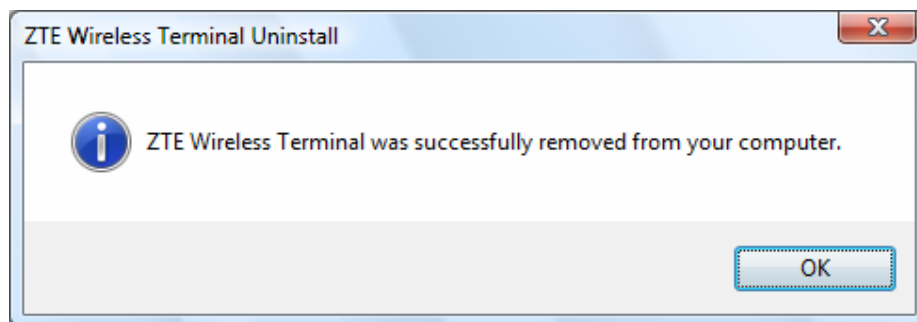
1、 Select Start -> All Programs -> ZTE Wireless Terminal -> Uninstall ZTE Wireless Terminal. Click “Uninstall ZTE Wireless Terminal”, and you will be asked if you want to remove the program. Click “Yes”;




2、 Please wait;




3、 Click “OK” when un-installation is completed.












5. Run the Application













After the application is installed successfully, the application icon  will appear on your desktop. Double-click this icon or select from Start -> Programs -> ZTE Wireless Terminal -> ZTE Wireless Terminal. Run the application to display the following user interface.



Press  to display other icons. The icons on the interface are used to access the function, which indicate as below:

	Connect/Disconnect		URL
	Voice Call		Call History
	Short message		Phone book
	Connection Records		Setting
	Help		



Status Bar:

	1X indication		Call indication
	Signal strength indication. The more bars there are, the stronger signals are.		Missed call indication
	CDMA network unavailable		Unread message indication
	Connection indication		Inbox full indication
	Sleep indication		No R-UIM card inserted indication
	Roaming indication		R-UIM card inserted indication


6. Connect/Disconnect



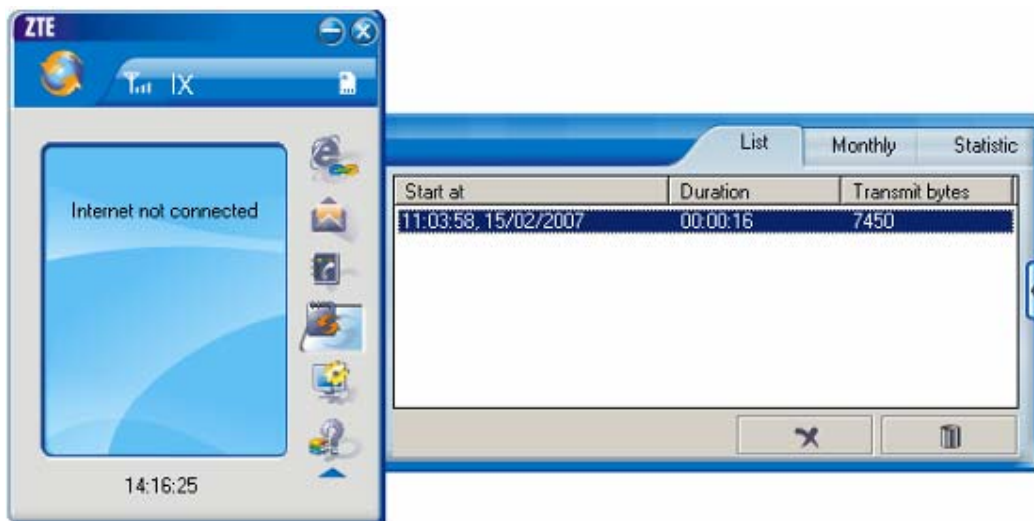
Connect


- ✧ Click  icon to set the relevant parameters. For details, please refer to Chapter 12 “Setting” for details.
- ✧ Click  icon at the left-up corner of the interface.
- ✧ After connecting to Internet, the current network information will appear on the interface. Double-click any place in the display area to view the connection drawing.

Disconnect

After connecting to Internet, click the rotating icon  at the left-up corner of the interface.

7. Connection Records



Click  icon to view connection records. Connection records save the previous relevant information including Start at, Duration and Transmit bytes, which will help you know the status easily.

By switching among “List”, “Monthly” and “Statistic”, you could inquire the records every time, by month or by time.


Note:

The relevant information contained in connection records are just for user’s reference rather than the charging basis.

Delete Connection Records


Click  button to delete the records you have selected on the interface.

Clear Connection Records




Click  button to delete all the records.

8. Voice Call





Click  to enter voice call interface.


Make a call

- ✧ Click the digits in the right side of the interface, or input the digits directly from keyboard. Press  button or press “Backspace” to delete the previous input digit; press  button or press “Esc” to clear all the inputs.
- ✧ Click  button in the right side of the interface or press “Enter” to make a call.

Receive a call

- ✧ When there is an incoming call, your computer will alert and the incoming caller ID will appear on the interface.
- ✧ Click  button in the right side of the interface or press “Enter” to receive the call.
- ✧ Press  button or press “Esc” to reject the call.

Redial the latest outgoing call

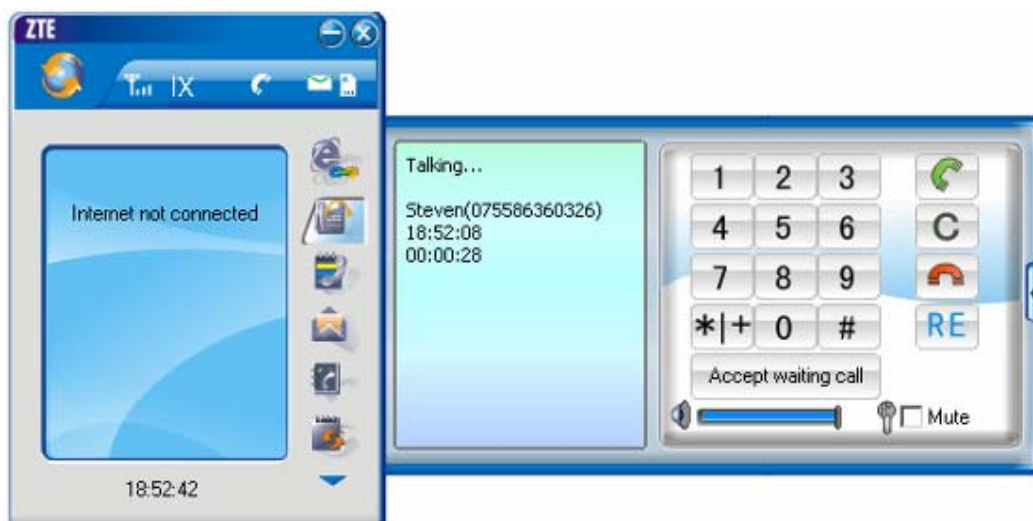
- ✧ Click  button in the right side of the interface.

Call Waiting

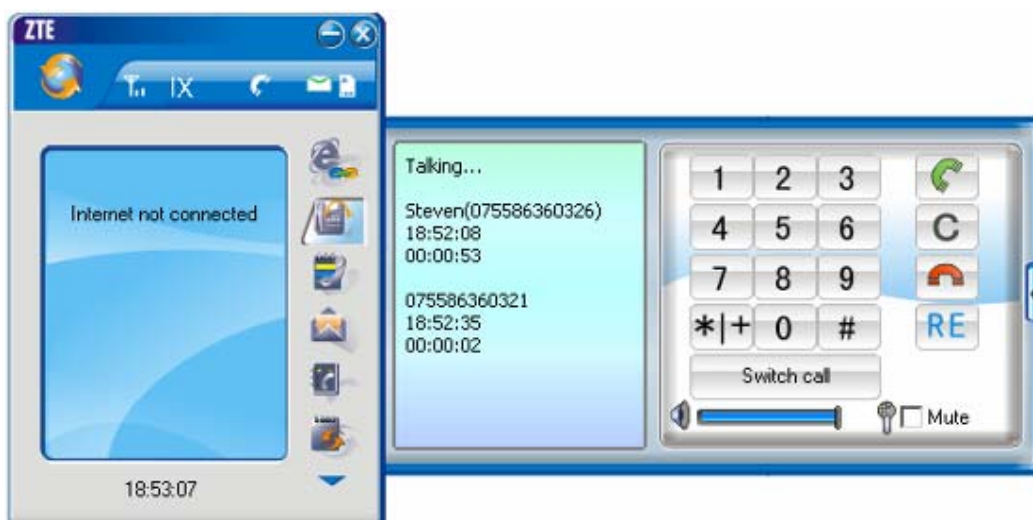
During a call, you could select to answer the second incoming call, and then you could switch between the two incoming calls.

Please firstly apply for this service from your local telecom operator.

- ◇ During a call, if there is a new incoming call, a pop-up window will prompt you that you have the second incoming call.
- ◇ If you select to answer, please click “Accept waiting call” button. The previous call won’t be ended, but temporarily paused.



- ◇ You could switch between two incoming calls by clicking “Switch call”.



Three-way Call

This function allows for the call among three parties. Please firstly apply for this service from your local telecom operator.

Note:

You need set “Show 3 way call button during calling”. Please perform the setting according to chapter 12.

- ✧ You could click “Dial second call” button during a call, input the third-party number in the pop-up window, and then press “OK” button to call the third party. In this case, the original call won't be ended, but temporarily paused.



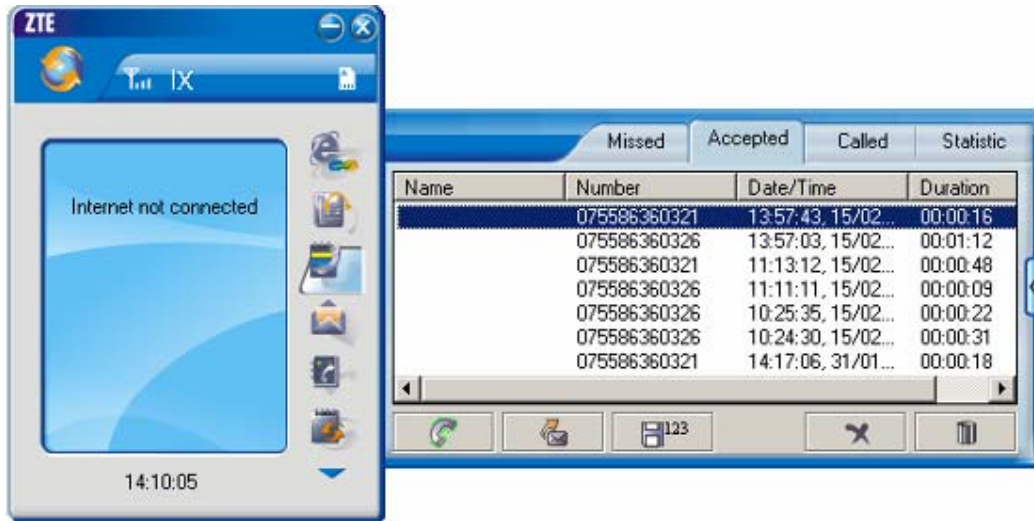
- ✧ If the third party answers the call, click “Start conference” to enter the conference call.




- ✧ During three-way conference call, click “Hangup second call” button to end the conference call, and return to the original call.








9. Call History



Click  icon to view the call history. The outgoing/incoming calls are saved in call history, including missed calls, incoming calls, outgoing calls, and talk duration. You could select the type you want to view.

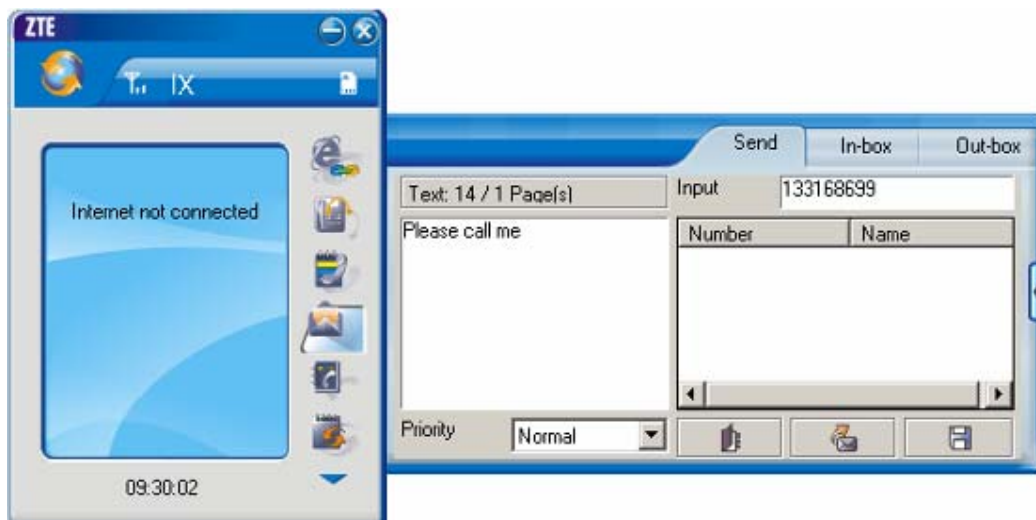
Missed/Accepted/Called Calls

- ✧ Click  button to delete your selected record.
- ✧ Click  button to delete all records in Missed/Incoming/Outgoing catalog.
- ✧ Click  button to dial the number.
- ✧ Click  button to send a short message to this number.
- ✧ Click  button to save this number to the phone book.

Statistic




- ✧ Click  button to clear the talk duration.

10.Short Message



Click  icon to enter Short message interface.

Send a Message

- ✧ Input the text.
- ✧ Input the recipient's number or click  button to select the recipient from phone book.
- ✧ Add more recipients if you like.
- ✧ Select priority.
- ✧ Click  button to send a message.
- ✧ Click  button to save the text into outbox.




The received messages will be saved in the Data Terminal In-box. After the Data Terminal In-box is full, the system will automatically move the messages in the Data Terminal In-box to the PC In-box, and clean out the Data Terminal In-box.

You could copy the messages from the Data Terminal In-box to PC In-box by selecting Copy or Copy All; you could also copy the messages from PC In-box to the Data Terminal In-box by selecting Copy.


The sent messages and unsent but saved messages will be all saved in the Out-box.

Take Data Terminal In-box as an example:


Reply

- ✧ Click  to reply to the sender.


Forward

- ✧ Click  to forward this message to other recipients.

Dial Sender's Number

- ✧ Click  to dial the sender's phone number.


Save Sender's Number

- ✧ Click  to save the sender's number into phone book.


Delete

- ✧ Click  to delete your selected records.


Clear

- ✧ Click  to delete all the records in the inbox..

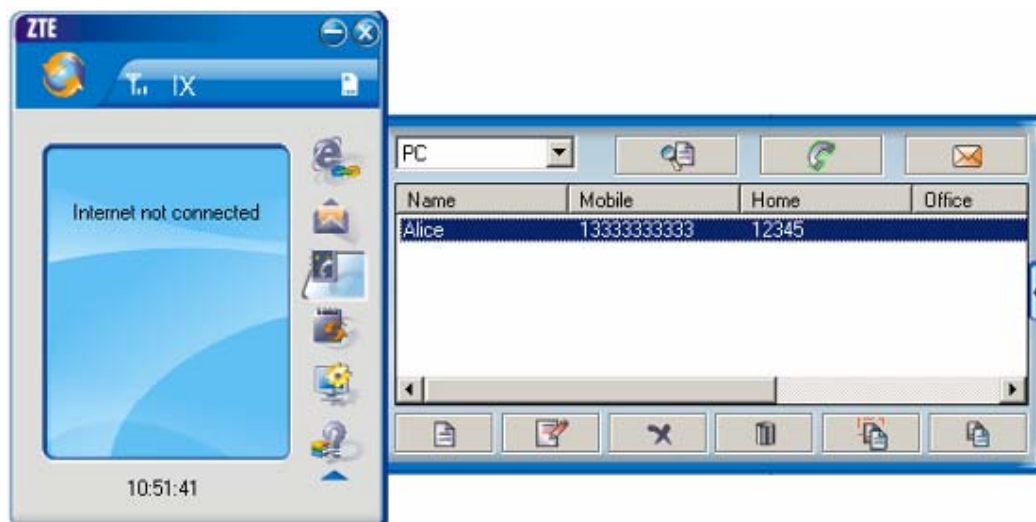
Copy


- ✧ Click  to copy your selected record into PC.



Copy All

- ✧ Click  to copy all the records from the data terminal to PC.

11.Phone Book



Click  to view the Phone book. You could select to save the contacts either in the data terminal or in the computer. Click the pull-down menu to select the storage location.

You could copy the contacts from the data terminal to your computer or from the computer to the data terminal by clicking  or .


Add

- ✧ Click  then input the contents and select “OK” to add a new contact.


Modify

- ✧ Click  then modify the contents and select “OK” to modify the contact information.


Dial from the phone book

- ✧ Click  to dial your selected phone number.


Send messages from the phone book

- ✧ Click  to compose the text. You could send the message to multiple recipients.


Search for contacts

- ✧ Click  to search for the contacts by name or number.


Delete

- ✧ Click  to delete your selected contact.


Delete All

- ✧ Click  to delete all the contacts.

Copy


- ✧ Click  to copy your selected contacts to other storage location.

Copy All

- ✧ Click  to copy all contacts to other storage location.

12.Setting



Click  to enter the setting interface.

Network Connection Setting

- ◇ Set up the relevant parameters on the “Network” interface.
- ◇ After the setting, click “Apply” button to save the settings on the current interface.
- ◇ Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.

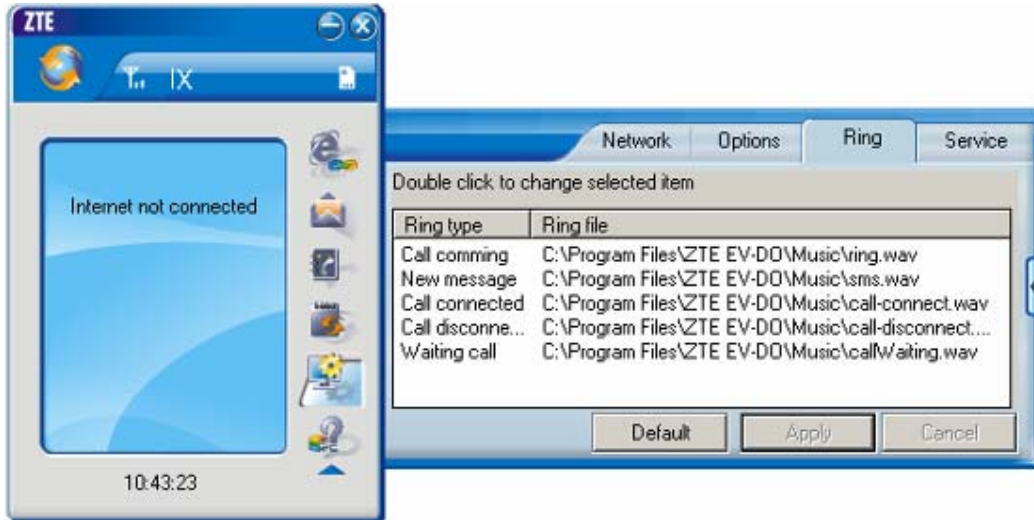
Note:

The default network setup parameters are as below. Different regions may have different network setup parameters, so please consult your local telecom operator.

Phone: #777
User: card
Password: card

**Other Setting:**

- ✧ Click “Options” to switch the interface, and you could set URL and select the skin, language, etc. If you want to use conference call, please select “Show 3 way call button during calling”;
- ✧ After the setting, click “Apply” button to save the settings on the current interface.
- ✧ Click “Change Password” button to set lock device. The password is required when you start the application. The setting has nothing to do with "Default" button.
- ✧ If your data terminal needs R-UIM card, please click the button “Enable Pin”. PIN code is needed when the application is started. The setting has nothing to do with "Default" button.
- ✧ Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.




Select ring tone

- ✧ After clicking “Ring”, you could set different ring tones for Call coming, New message, Call connected, Call disconnected and Waiting call.
- ✧ After the setting, click “Apply” button to save the settings on the current interface.
- ✧ Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.

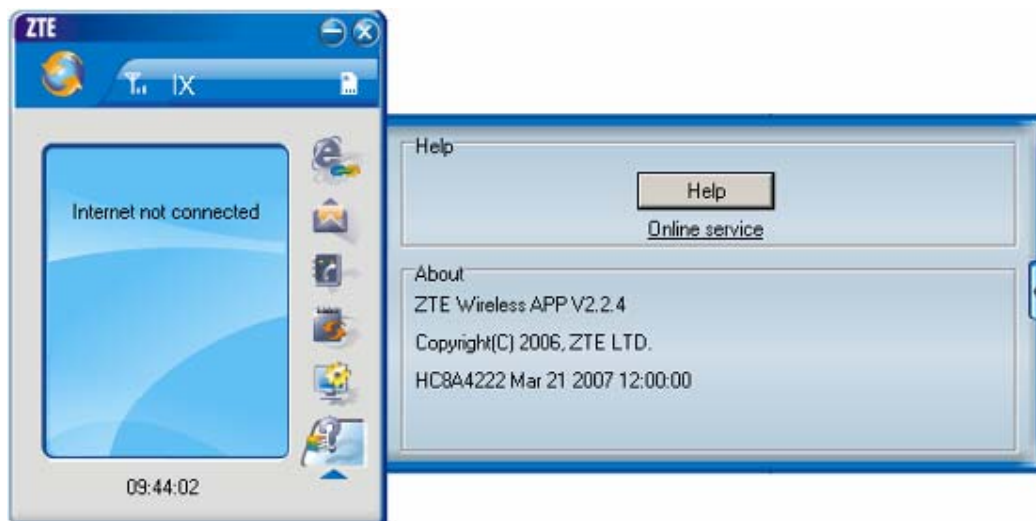



Supplementary Services

- ✧ After clicking “Service”, you could set “Unconditional forwarding”, “Busy Forwarding”, “No answer forwarding”, “Call waiting”, etc. Double-click the selected option to modify the service number and forwarding number.

- ✧ After the setting, click  button to send the corresponding request to the network system.
- ✧ After the setting, click “Apply” button to save the settings on the current interface.
- ✧ Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.


13.Help



Click  button to view the help file.

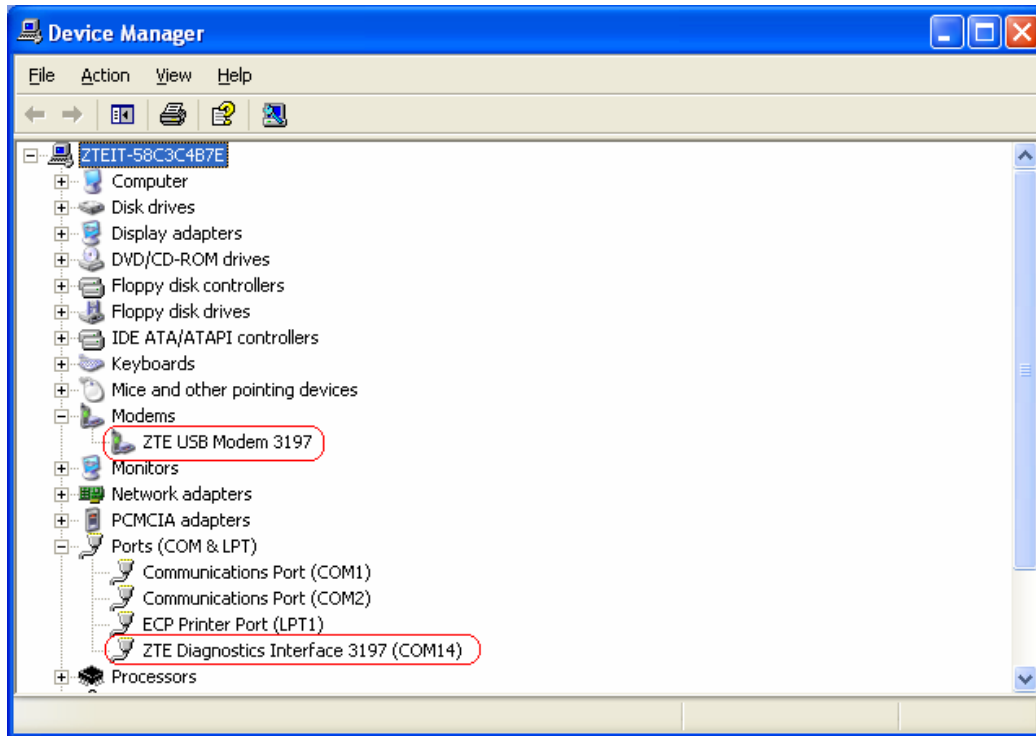
- ✧ Click “Help” button to view the relevant help file; click “[Online service](#)” to enter our company’s website.
- ✧ You could view the software version information under “About”.

14.Connect to the Website

Click  button to directly connect the website you set. For details on the website setting, please refer to Chapter 12 “Setting”.

15. Trouble-shooting

After the installation, go to device manager and find “ZTE USB Modem 3197” under “Modem” and “ZTE Diagnostics Interface 3197” under “Port”. If they are not found, please remove the software and reinstall.



Common Failures Table:

Failures	Causes	Solutions
Error occurs when running setup.exe file.	The setup file may be damaged.	Please download the program on our website WWW.ZTEMT.COM and reinstall it.
Open port failed.	Directly run the software before the Data Terminal is plugged in.	Close the software, plug in the Data Terminal and run it again.
	The port is occupied by other applications, such as "Hyper terminal", or the software is already run.	Close relevant software and run the software again.
No R-UIM card.	R-UIM card is not inserted.	Insert R-UIM card.
	R-UIM card isn't inserted properly. Sometimes the front side and back side are confused.	Please refer to section 3.2. Properly insert R-UIM card.
	R-UIM card is damaged. Validate by using a CDMA terminal.	Replace R-UIM card.
No signal indicated.	Antenna is not connected to the Access Box.	Insert the antenna into the Data Terminal.
	Out of the network service area.	Make sure it is in the CDMA network service area.
	The antenna or RF component is damaged.	Replace relevant damaged parts.
Dialing failed	Wrong setting of parameters (Phone, User, Password)	Correct the parameter settings. Consult your service provider for details.
	Not enough money in R-UIM card.	Consult your service provider for details.
	Network congestion or failure.	Try again later.
Internet connection failure.	The Data Terminal is being connected. (It usually occurs when the Internet connection is immediately made after the call is dialed)	Reconnect.
	Poor network signal.	View signal strength indication and check if the antenna is properly inserted.
The driver might be unable to work and the application is unable to run normally if the terminal is pulled out and plugged in again when the application is being used under Win2000 operating system (SP4). In this case, the device in device manager will be marked with yellow exclamation mark, and the system must be restarted to run normally.	The operating system needs installing Update Roll 1 patch for Win2K SP4.	Please download the patch from the following web site and install it. http://www.microsoft.com/downloads/details.aspx?familyid=B54730CF-8850-4531-B52B-BF28B324C662&displaylang=en

If the problems cannot be solved after the above handling, please call 86-755-26010555 or feed back your information directly by sending emails to zte_mobile@zte.com.cn for customer service. We will reply to you as soon as possible and provide you with high quality after-sales services.

16. Health and Safety Information – RF Exposure Information

THIS DEVICE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

This device is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Before a mobile phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on the mobile phone is on file with the FCC and can be found under the Display Grant section of <http://www.gov/oet/fccid> after searching on FCC ID stock on the label on the device.

Note: In the United States and Canada, the SAR limit recommended by international guidelines for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.