

# **ZTE CDMA 1X Card User Guide**

**This user guide applies to the ZTE CDMA 1X card of MC315/MC315+, MG166 and MG466.**

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If there is anything unclear in this manual, please contact us or our agent or seller.

V4.3-TY, Jan, 2006

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## 1. Introduction

ZTE CDMA 1X card fits into a standard Type II PC Card slot (available on most notebook PCs) and functions as a wireless network card, a modem, and a mobile phone. This card allows you to connect to the Internet, send and receive short messages, and make phone calls, without the need of a network cable or phone line.

With the design of the R-UIM card separate from the body, as well as making the card and body integrative, ZTE CDMA 1X card can make the operation more flexible.

## 2. Specifications

| Model<br>Item     | MC315                         | MC315+     | MG466          | MG166        |
|-------------------|-------------------------------|------------|----------------|--------------|
| Tx Frequency      | 824~849MHz                    | 824~849MHz | 452.5~457.5MHz | 1850~1910MHz |
| Rx Frequency      | 869~894MHz                    | 869~894MHz | 462.5~467.5MHz | 1930~1990MHz |
| Freq. Tolerance   | FA±300Hz                      |            |                | FA±150Hz     |
| Dimension         | 86*54*5 mm                    |            |                |              |
| Weight            | 33g                           |            |                |              |
| Data Rate         | MAX 153.6 kbps                |            |                |              |
| Voltage           | 3.3V from PCMCIA Slot         |            |                |              |
| Current           | Dormancy: 90mA Maximum: 850mA |            |                |              |
| Transmitter Power | 200mW                         |            |                |              |

## 3. Care for Your Card

- Protect the card from liquids, dust, and excessive heat.
- Optimal signal strength is usually obtained when the antenna is perpendicular to the card. The antenna should bend easily. Do not forcefully bend the antenna or plug the antenna in and out of the card frequently. ZTE shall not be held responsible for the loss due to user's misoperation.
- The card should fit easily into your PC slot. Forcing the card into a slot may damage connector pins.
- Do not operate the card near any equipment which may be susceptible to electromagnetic interference.

## 4. Features



Your ZTE CDMA 1X card may need R-UIM card. Contact your provider to get the information that if your ZTE CDMA 1X card need the R-UIM card. Please insert the R-UIM card to your ZTE CDMA 1X card if it needs.

Insert R-UIM card to ZTE CDMA 1X card (only for those which need R-UIM card)



**Note:**

When ZTE CDMA 1X card is working, the lamp is green.

To remove ZTE CDMA 1X card from your computer, please click the button "Safely Remove Hardware" to remove the card. (Windows 2000 and XP only)



And then press the button outside the slot, the card will automatically eject out. Do not pull the card out by the antenna.

## 5. Install and Uninstall

### 5.1 System Requirements

The ZTE CDMA 1X card can operate on:

- Windows 98
- Windows 2000
- Windows Me
- Windows XP

To install the ZTE CDMA 1X card, the minimum requirements for the PC are as follows:

|               |                                 |
|---------------|---------------------------------|
| CPU           | Pentium-II/233MHz               |
| Card Slots    | 1 Type II PCMCIA (PC Card) Slot |
| Optical Drive | CD-ROM (for installation only)  |
| Memory        | 64 MB                           |
| Disk Space    | 30 MB                           |

### 5.2 Installation for Windows 98

#### 5.2.1 Install

**Note:**

Don't insert the ZTE CDMA 1X card before installation.

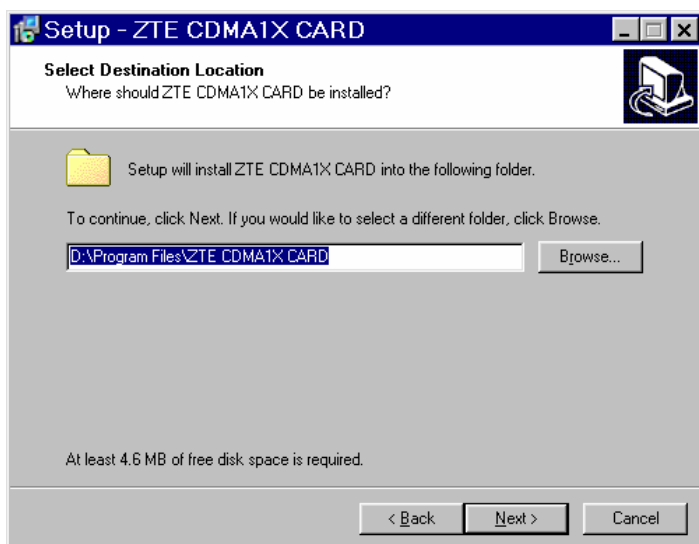
1. Please find "autosetup.exe" first in ZTE CDMA 1X card CD-ROM, and double click the icon of "autosetup.exe", then choose "English" when the picture displayed in the screen.



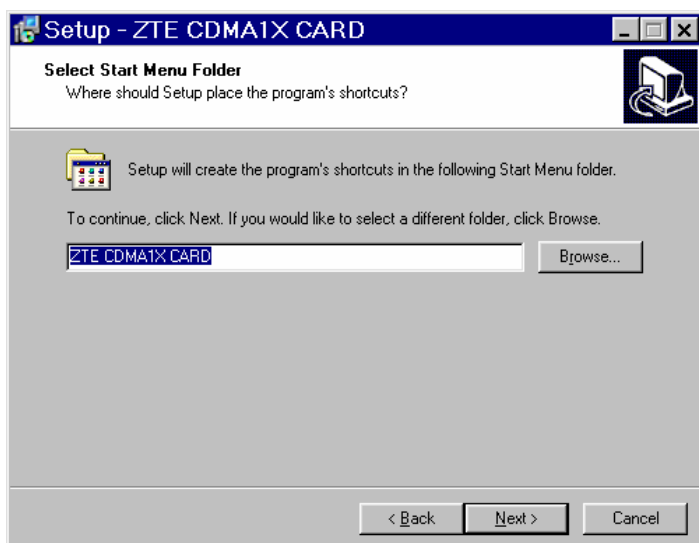
2. When you see this window, please click “Next”.



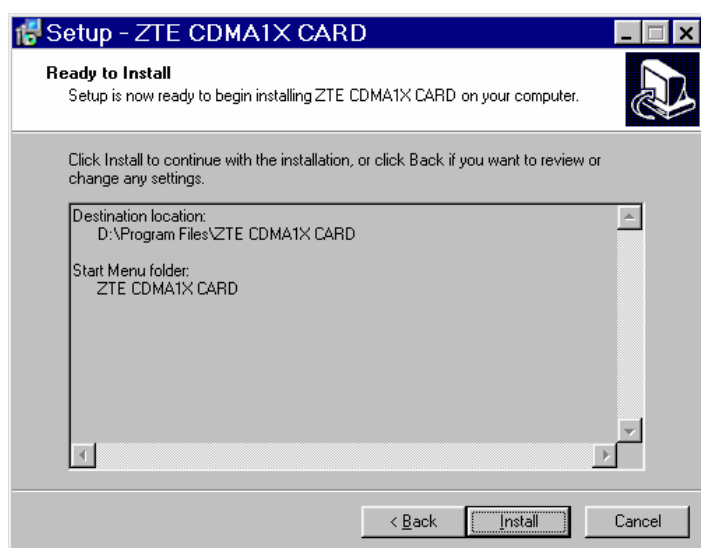
3. Select the location where the program is to be installed, then click “Next”.



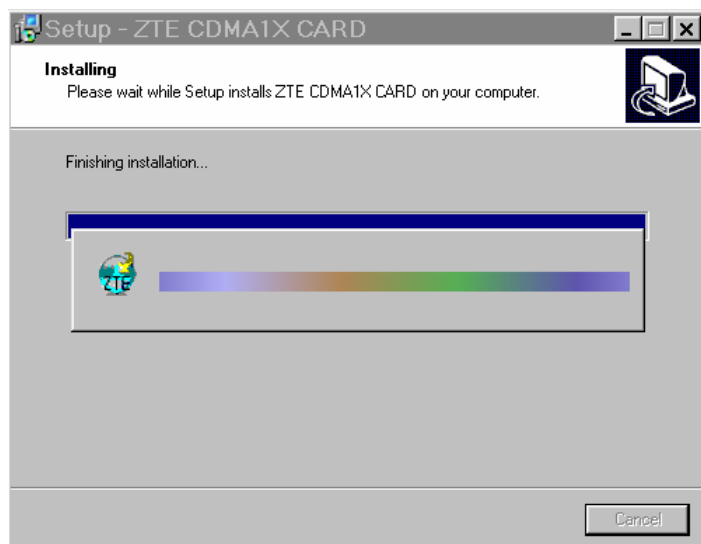
4. Select Start Menu folder, then click “Next”.



5. When you see this window, please click “Install”.

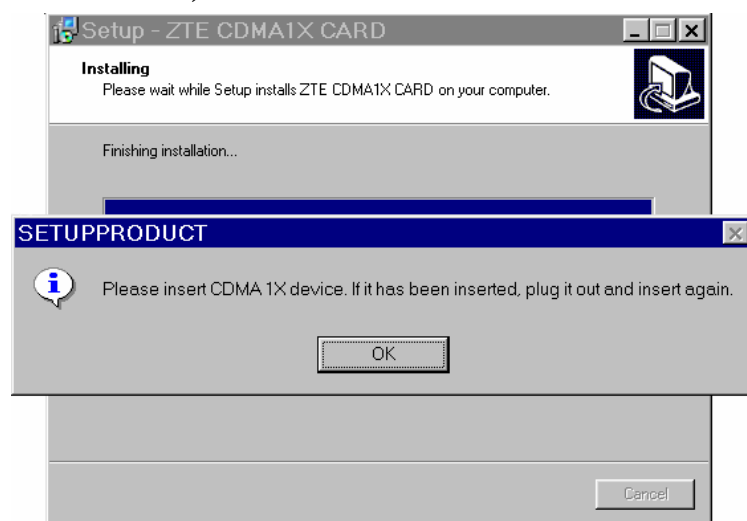


6. Please wait.

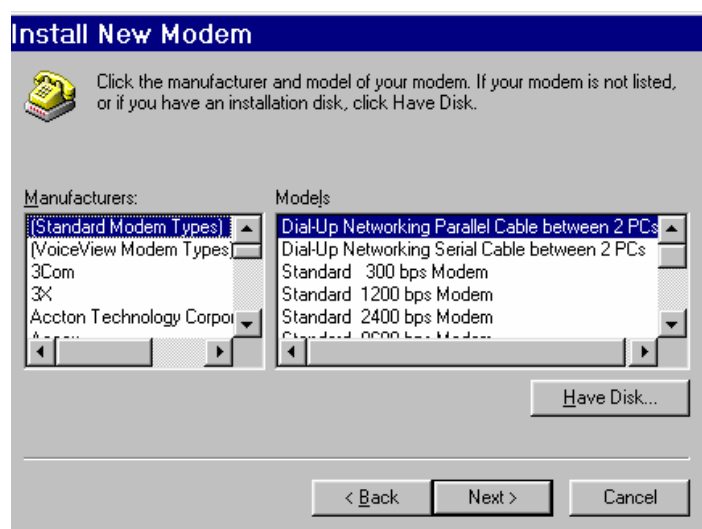




7. Please insert the ZTE CDMA 1X card and click “OK”. (If your card is in the slot, please reinsert the card)



8. Please wait for updating the driver, and the driver is installed automatically, you need not click the button.

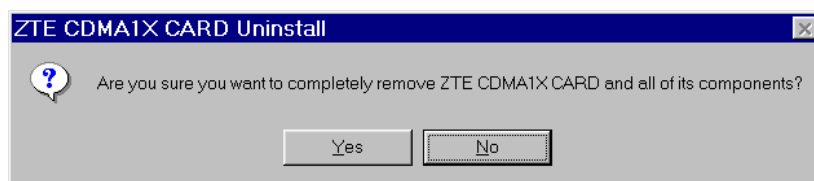


9. Click “Finish” to close the last screen of the wizard. Now you can start the application for ZTE CDMA 1X card.

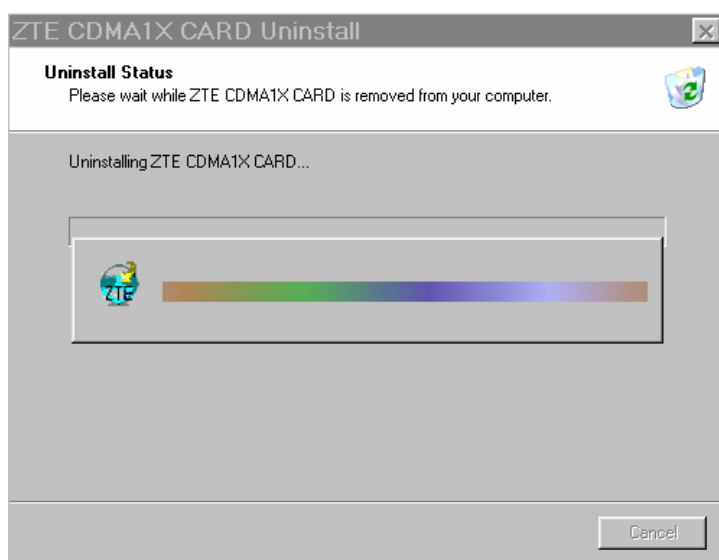


### 5.2.2 Uninstall

1. Select Start -> Programs -> ZTE CDMA1X CARD -> Uninstall ZTE CDMA1X CARD. You will be asked if you want to uninstall the card. Click “Yes”.



2. Please wait.



3. Click “OK” when you are notified that un-installation is complete. Some elements such as phonebook and call history saved in the folder you installed could not be removed, you can remove these elements manually.



## 5.3 Installation for Windows 2000

### 5.3.1 Install

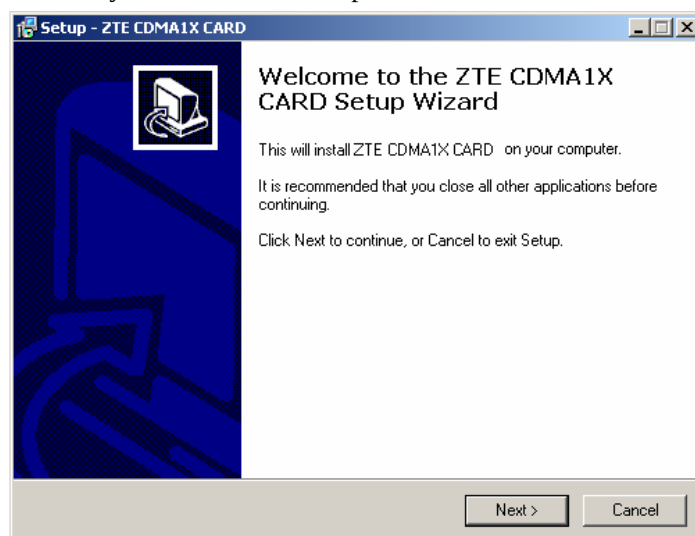
**Note:**

Don't insert the ZTE CDMA 1X card before installation.

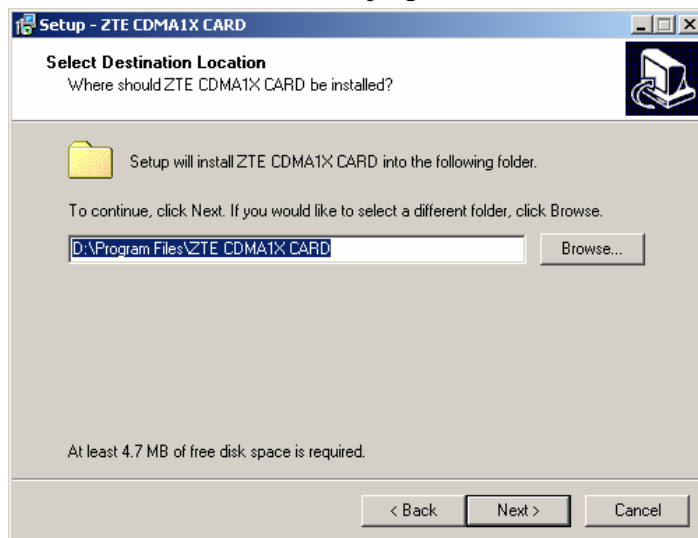
1. Please find "autosetup.exe" first in ZTE CDMA 1X card CD-ROM, and double click the icon of "autosetup.exe", then choose "English" when the picture displayed in the screen.



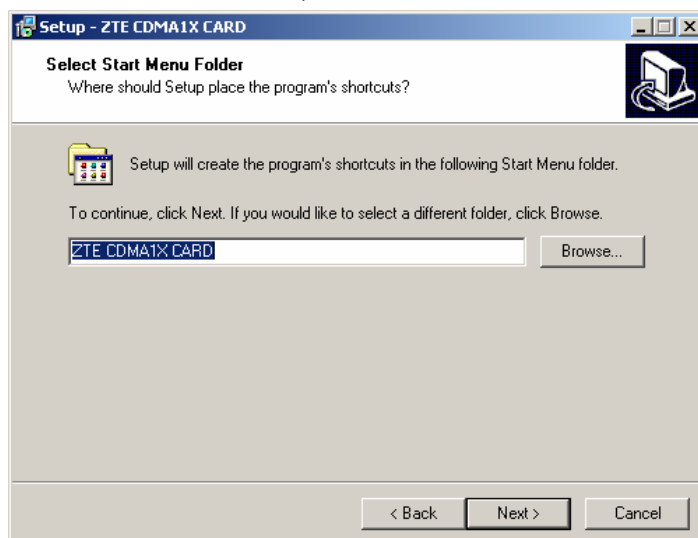
2. When you see this window, please click "Next".



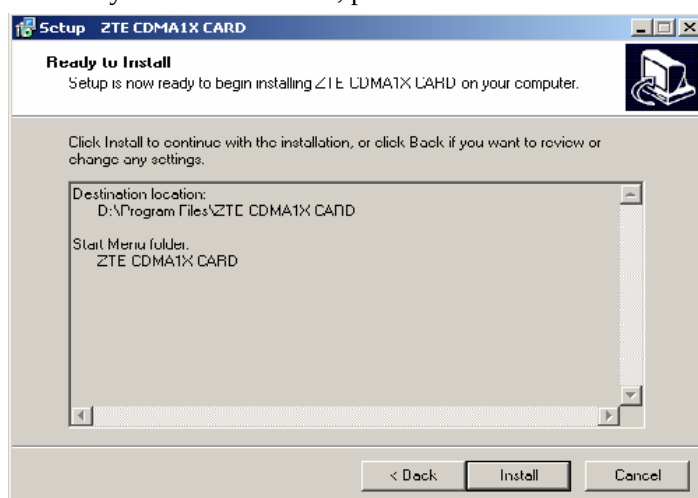
3. Select the location where the program is to be installed, then click “Next”.



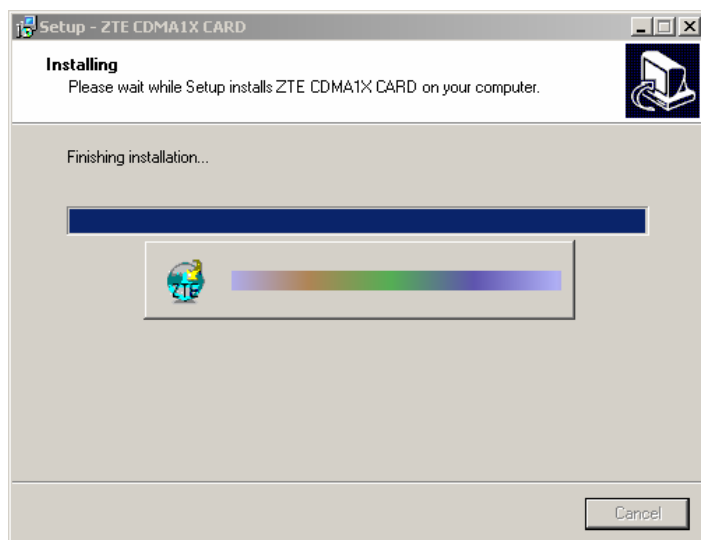
4. Select start menu folder, then click “Next”.



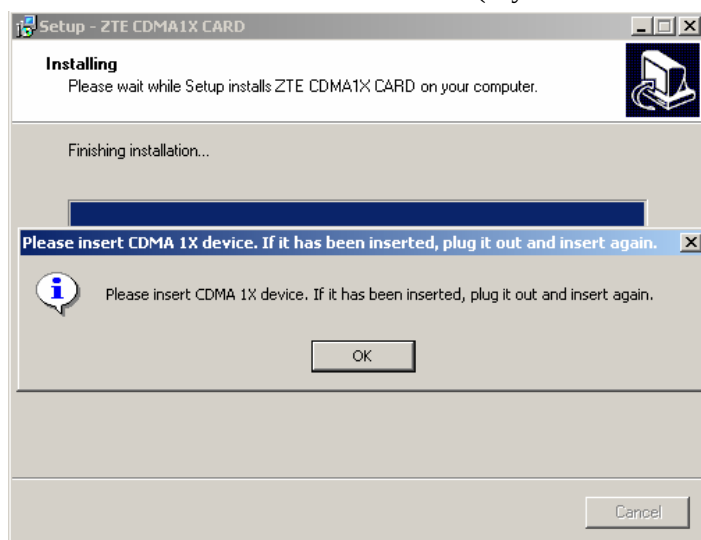
5. When you see this window, please click “Install”.



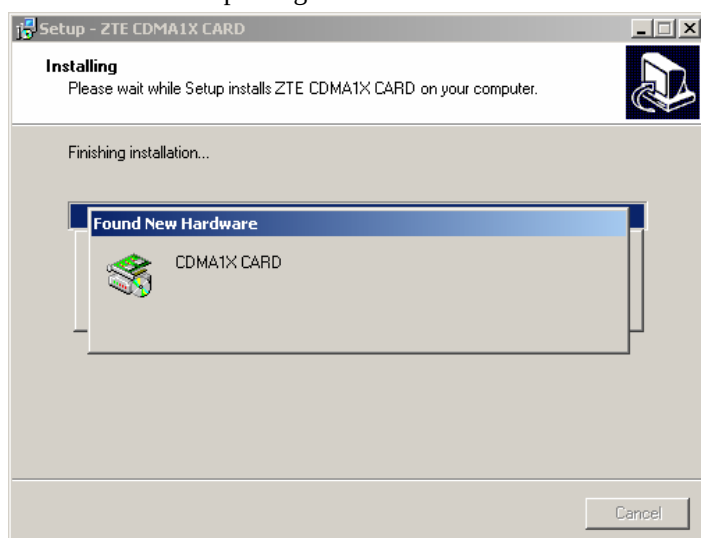
6. Please wait.



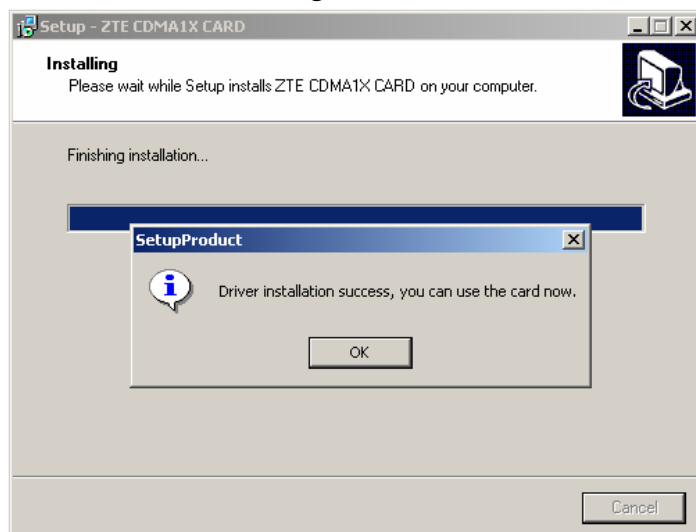
7. Please insert the ZTE CDMA 1X card. (If your card is in the slot, please reinsert the card)



8. Please wait for updating the driver.



9. You can see the following window when driver is installed successfully. Click “OK”.

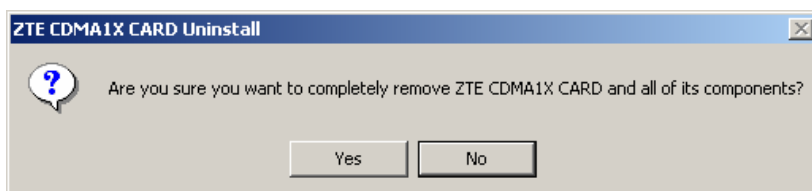


10. Click “Finish” to close the last screen of the wizard. Now you can start the application for ZTE CDMA 1X card.

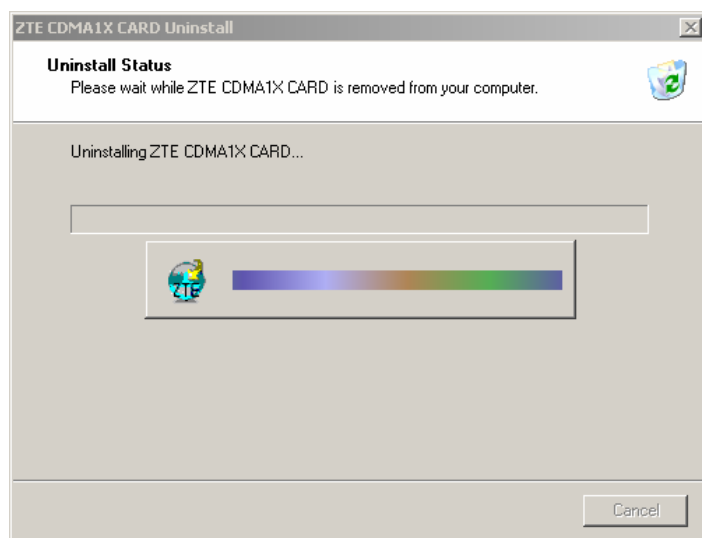


### 5.3.2 Uninstall

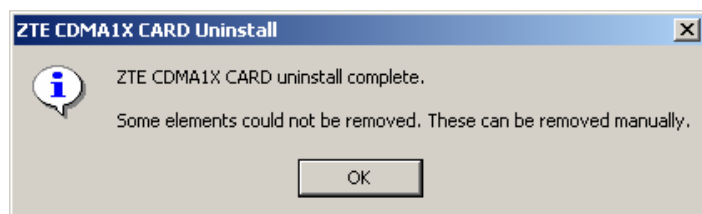
1. Select Start -> Programs -> ZTE CDMA1X CARD -> Uninstall ZTE CDMA1X CARD. You will be asked if you want to uninstall the card. Click “Yes”.



2. Please wait.



3. Click “OK” when you are notified that un-installation is complete. Some elements such as phonebook and call history saved in the folder you installed could not be removed, you can remove these elements manually.



## 5.4 Installation for Windows XP

### 5.4.1 Install

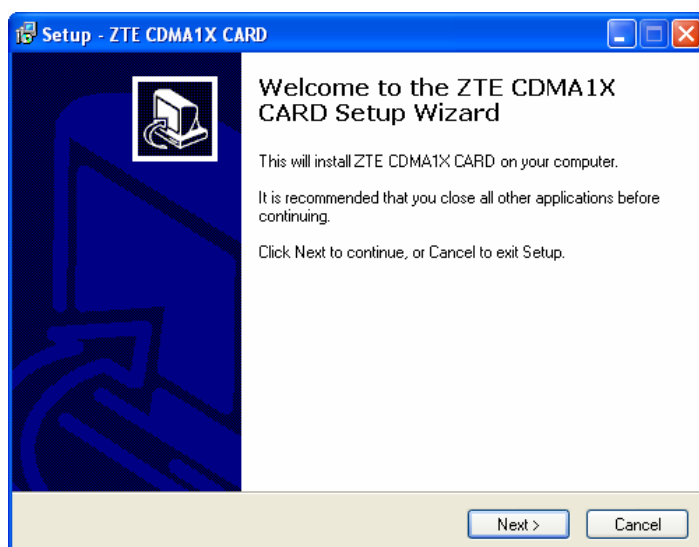
**Note:**

Don't insert the ZTE CDMA 1X card before installation.

1. Please find “autosetup.exe” first in ZTE CDMA 1X card CD-ROM, and double click the icon of “autosetup.exe”, then choose “English” when the picture displayed in the screen.

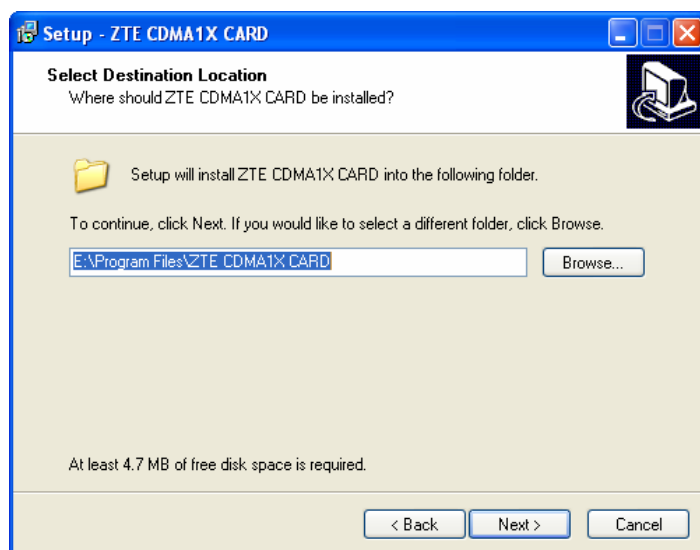


2. When you see this window, please click “Next”.

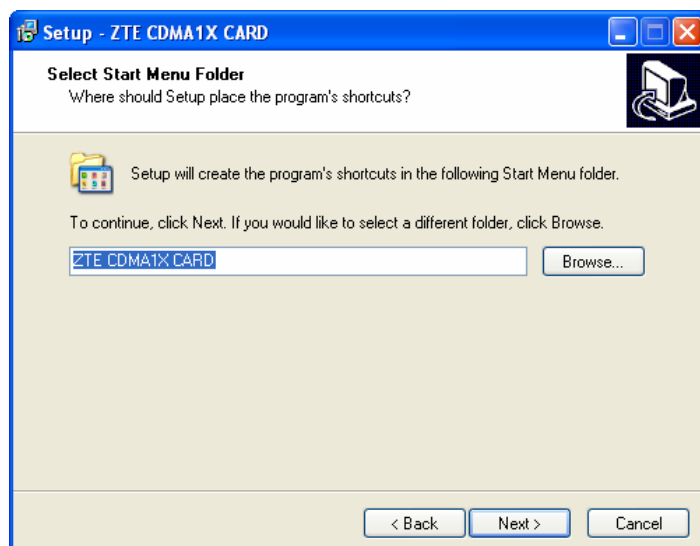




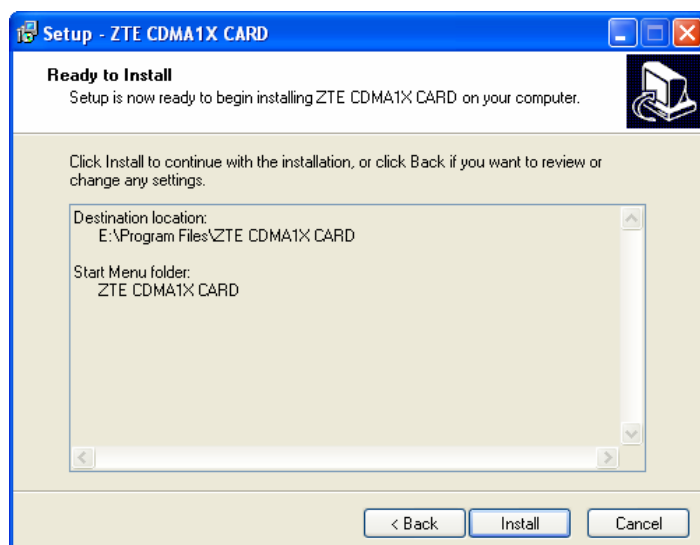
3. Select the location where the program is to be installed, then click “Next”.



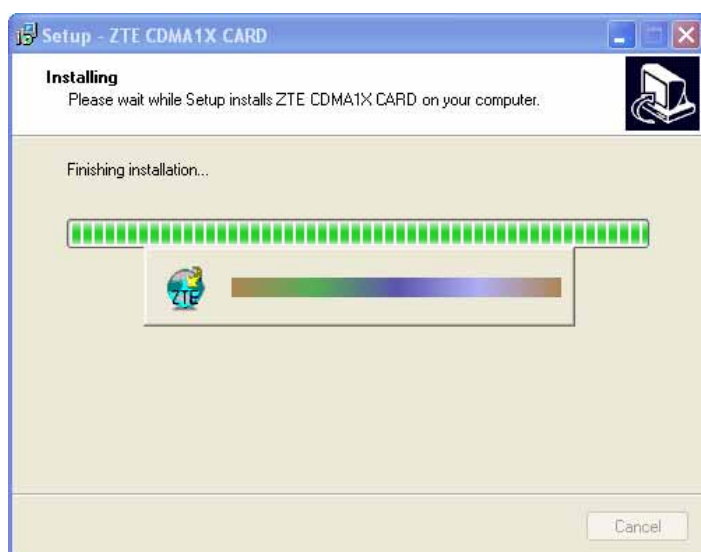
4. Select Start Menu folder, then click “Next”.



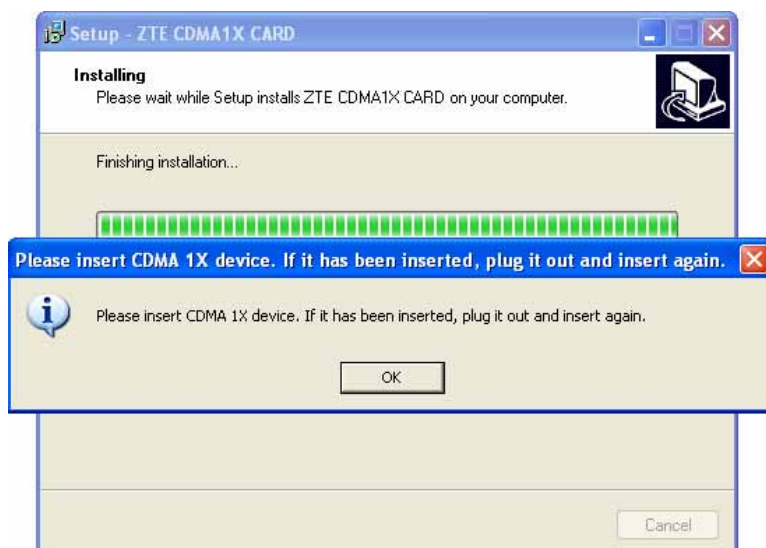
5. When you see this window, please click “Install”.



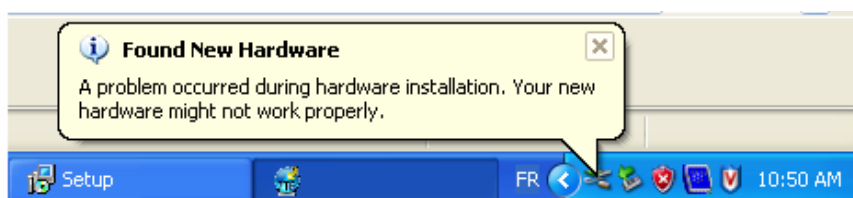
6. Please wait.



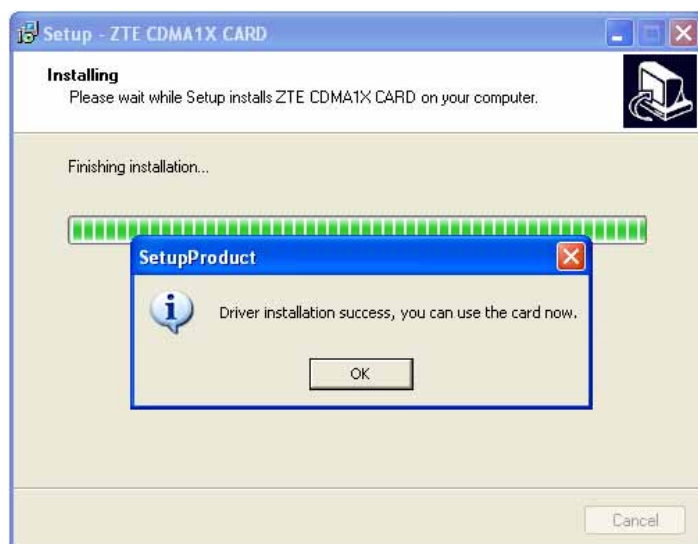
7. Please insert the ZTE CDMA 1X card. (If your card is in the slot, please reinsert the card)



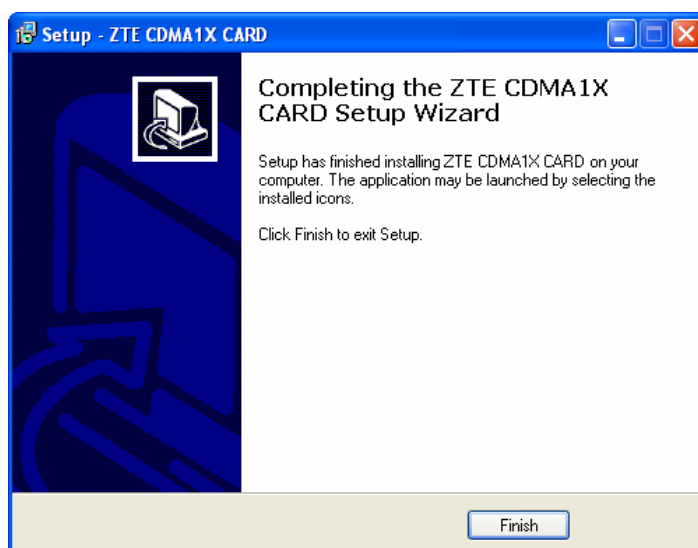
8. Please wait for updating the driver. During the period, you will be reminded like shown below, please ignore it.



9. You can see the following window when driver is installed successfully. Click "OK".

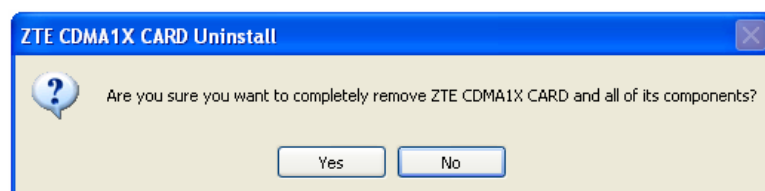


10. Click “Finish”. Now you can start the application for ZTE CDMA 1X card.

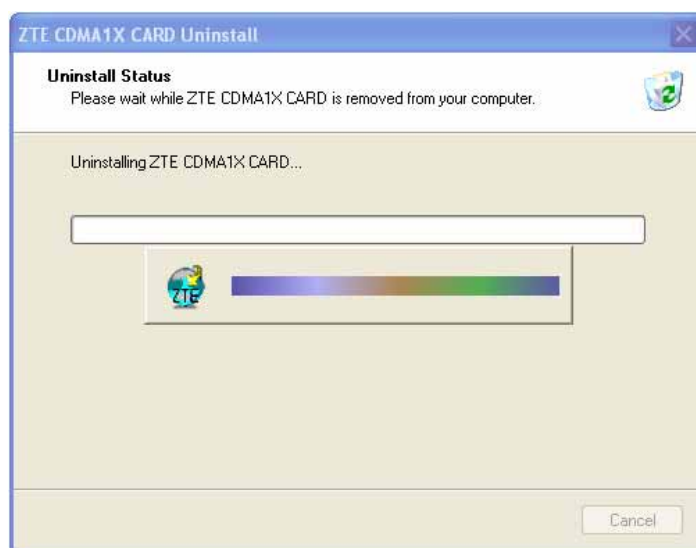


#### 5.4.2 Uninstall

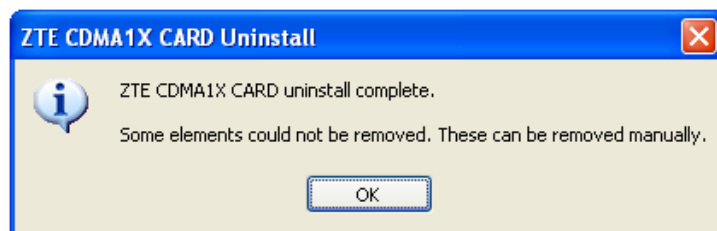
1. Select Start -> Programs -> ZTE CDMA1X CARD -> Uninstall ZTE CDMA1X CARD. You will be asked if you want to uninstall the card. Click “Yes”.



2. Please wait.

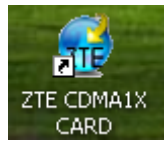


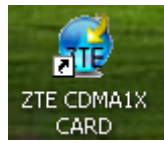
3. Click "OK" when un-installation is complete. Some elements such as phonebook and call history saved in the folder you installed could not be removed, you can remove these elements manually.



## 6. The Main Window and Icons

You can launch the program by:



- Double click , the icon of application for ZTE CDMA 1X card in the desktop.
- Or selecting Start -> Programs -> ZTE CDMA1X CARD -> ZTE CDMA1X CARD.

After initialization, the main window of the application will be displayed in the screen.

There are icons in the top of the main window. That indicates:



Connect/Disconnect



Connection Record



Voice Call



Call History



Write SMS



Read SMS



Phone Book



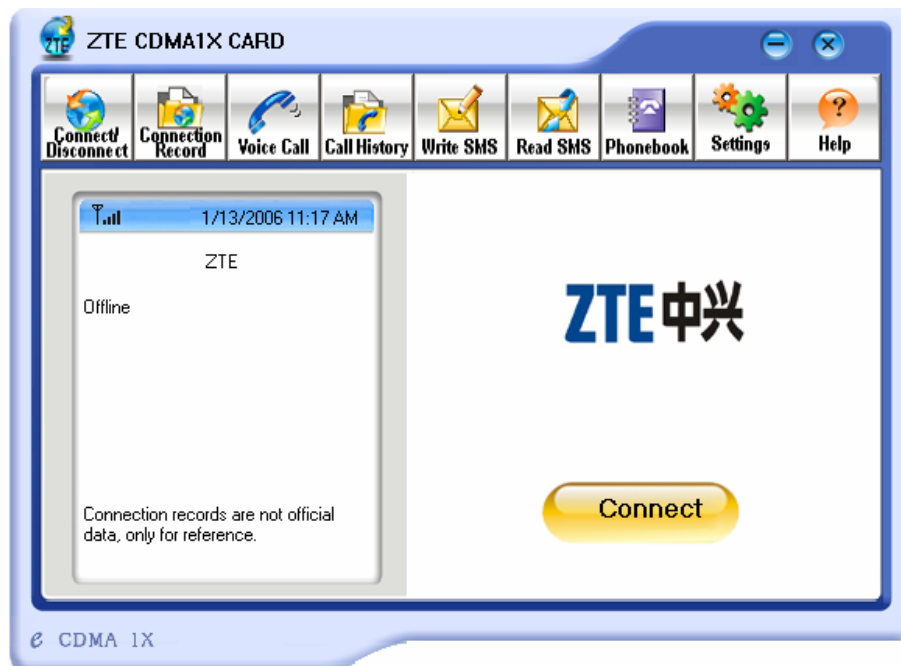
Settings



Help

Some features like **Voice Call**, **Call History**, **Write SMS**, **Read SMS**, **Phone Book** may not be supported by your ZTE CDMA1X card, the corresponding icons will not appear in the main window. Please contact your provider or agent.

## 7. Connect/Disconnect



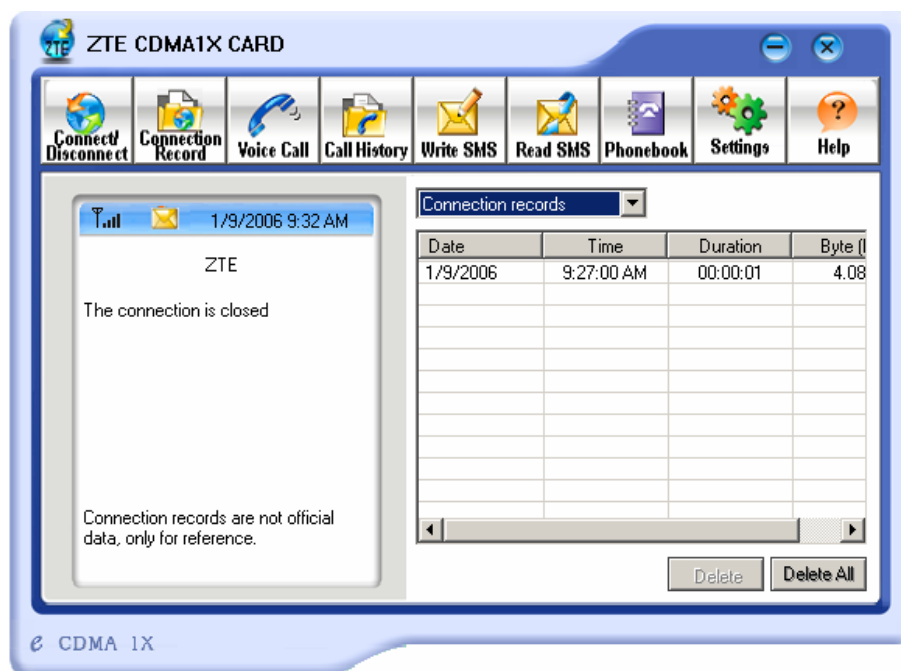
### Connect to network:

1. Click “Connect/Disconnect” icon in main window.
2. Click “Connect” button.

### Disconnect:

1. Click “Disconnect” button.

## 8. Connection Record



**Note:**

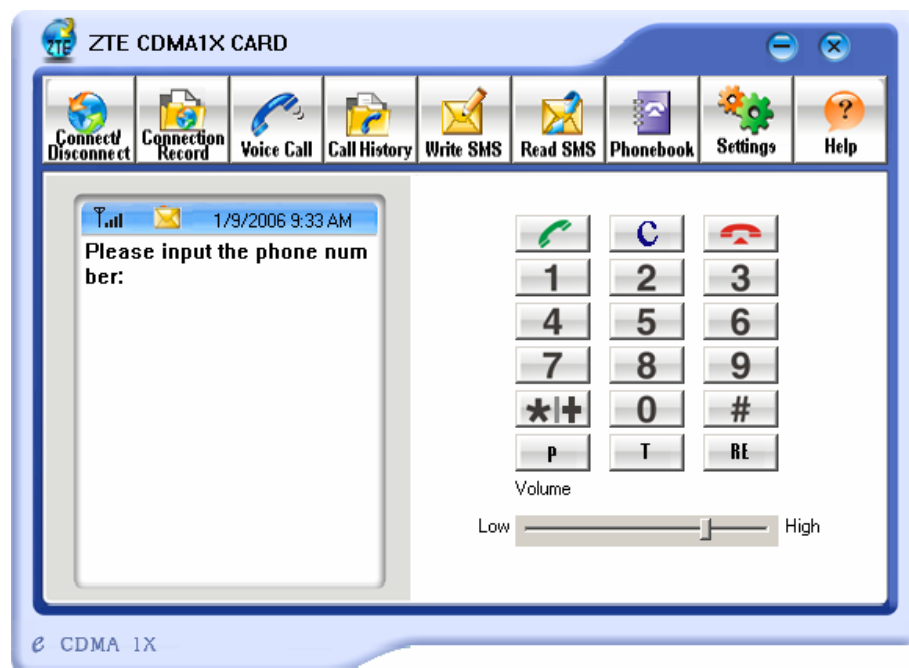
Connection Record is not official data. It's only for users' reference.

The connection record is displayed when you click the "Connection Record" icon.

It records connect time and upload/download bytes for each connection. And it lists the monthly statistics.

## 9. Voice Call

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)



### Note:

Please confirm your earphone is connected with the ZTE CDMA1X card when you want to make a voice call.

The dialing pad for the card is displayed when you click the “Voice Call” icon. This performs the same functions as the dialing pad on a mobile phone.

### Make a call:

1. Please plug the earphone in the card if it is not plugged in the card yet.
2. Click “Voice Call” icon.
3. Input the number you want to dial by either clicking the number buttons on the dial pad or typing the numbers on your keyboard.
4. Click button  or press “Enter” key to make a call.

### Answer a call:

1. Please plug the earphone in the card if it is not plugged in the card yet.
2. Click button  or press “Enter” key to answer the call.
3. Click button  or press “ESC” key to end the call.



Redial the last number called

Click button .

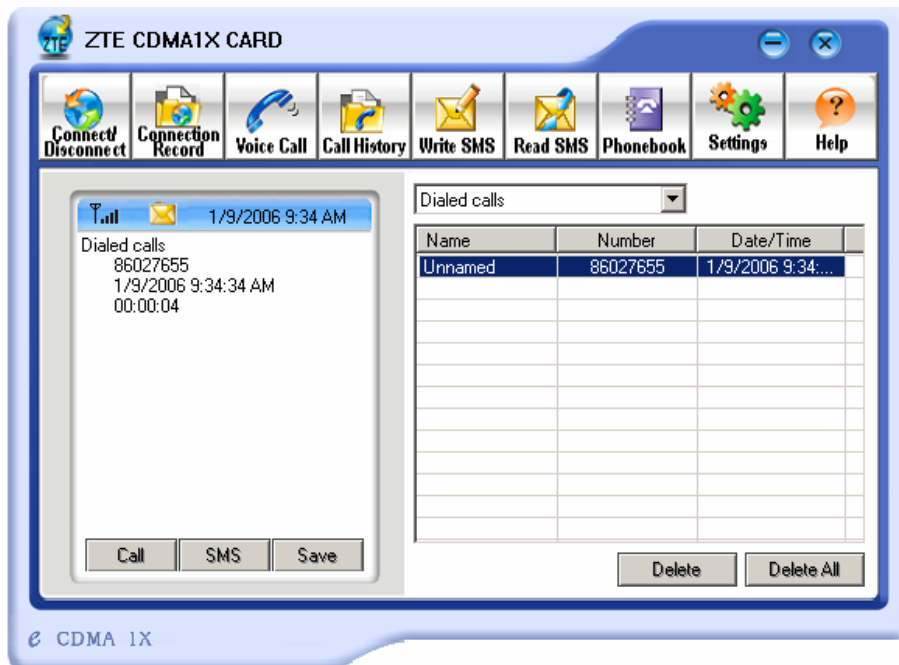
Add timed-pause character:

When you dial, you can input timed-pause character “P” or “T” by clicking  or .

Please refer to chapter 14 to set delay for P key and T key.

## 10.Call History

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)



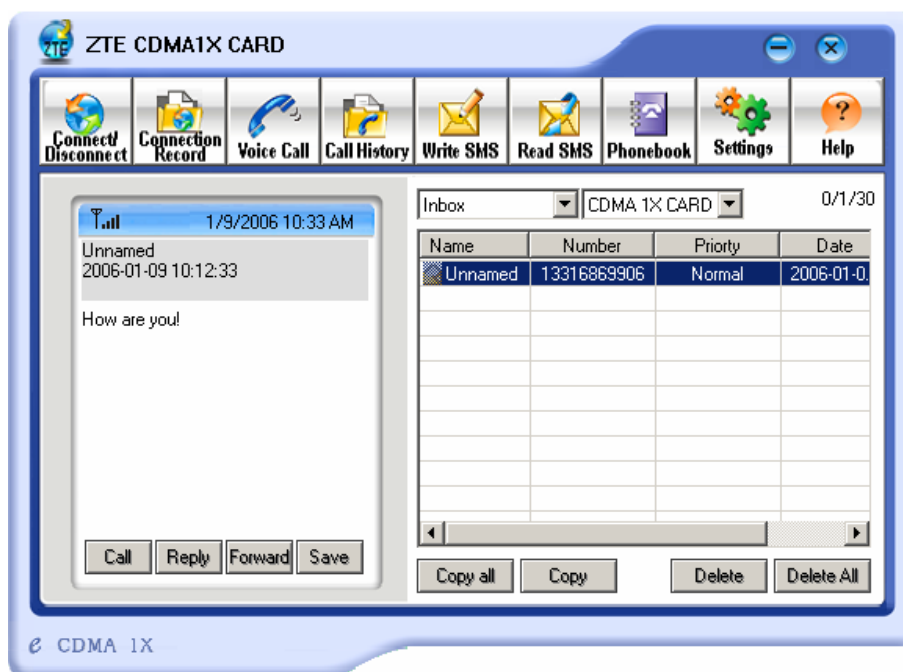
Call history maintains a record of your outgoing, incoming and missed calls.

You can add an entry to the Phone Book, make a call to a number contained in one of the call records, and send messages to a number contained in one of the call records.



## 12. Read Short Messages

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)



Incoming messages are stored in the Inbox. Outgoing messages are stored in the Outbox. In the Inbox or Outbox, you can view the messages, reply the messages, transfer the messages, and save the sender's number of the messages.

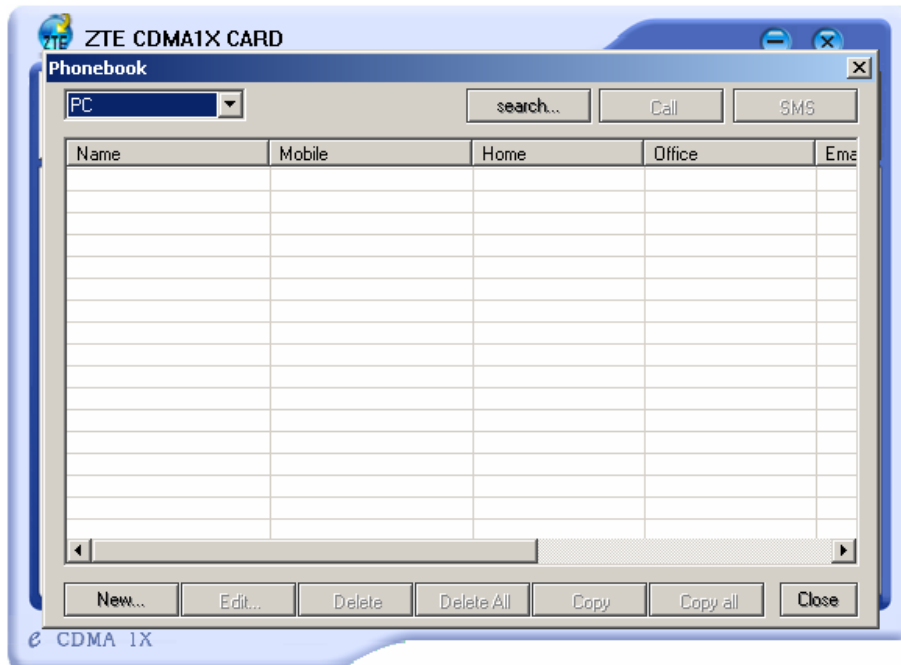
Messages will be stored in PC or R-UIM card. You can copy them from one storage media to another by clicking "Copy" or "Copy all" button.

### Read SMS:

1. Click "Read SMS" icon in the window.
2. Select the Inbox or Outbox in the pull-down menu.
3. Click the desired message in the list on the right screen of the window.
4. You can view the content of the message on the left screen of the window.

### 13. Phone Book

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)



The Phone Book provides a place to store the phone numbers and e-mail addresses of person you contact.

**To open the Phone Book:**

1. Click “Phonebook” icon in the window, you’ll see the Phone Book entries list.

**To add an entry to the Phone Book:**

1. Open the Phone Book.
2. Click “New” button in the window.
3. Enter the person’s name and any phone numbers and/or e-mail addresses in the Contact detail’s window.
4. Click “OK” or press “Enter” key to save the entry.

**To dial a phone number in the Phone Book:**

1. Select the entry in the Phone Book window.
2. Click “Call” button or press “Enter” key.

**To send a message in the Phone Book:**

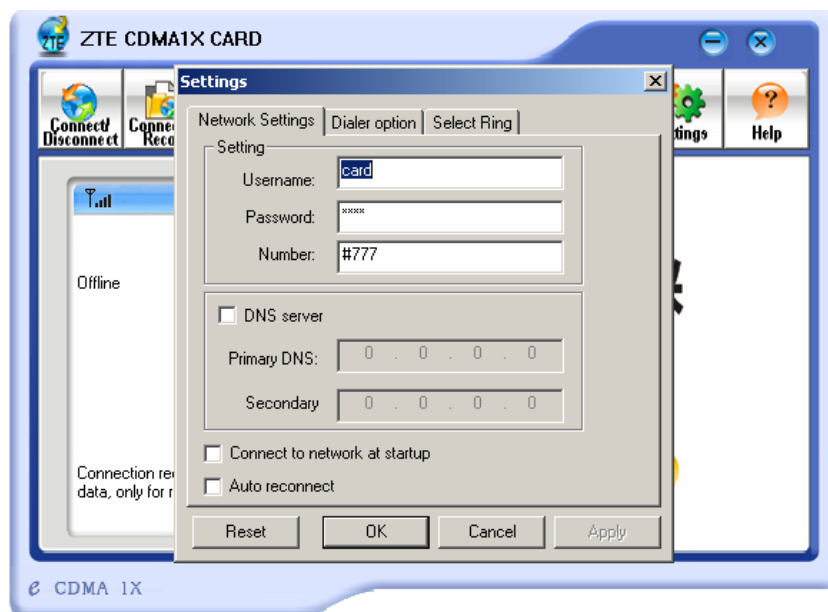
1. Select the entry in the Phone Book window. You can make multi selection of phone numbers in Phone Book to make group messaging.
2. Click “SMS” button.

To search a contact in the Phone Book:

1. Click “search” button.
2. Input Name or Phone Number, then click “search” button to search.

The Phone Book records can be stored in the PC or R-UIM card. You can copy them from one storage media to another by clicking “Copy” or “Copy all” button.

## 14.Settings



### Connection settings:

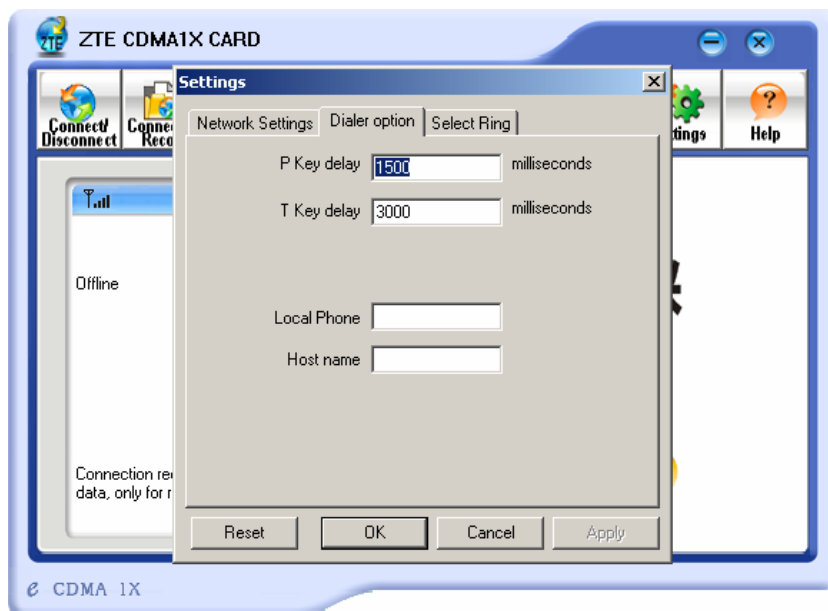
You can set the network connection parameters.

The settings are different in various networks.

For example:

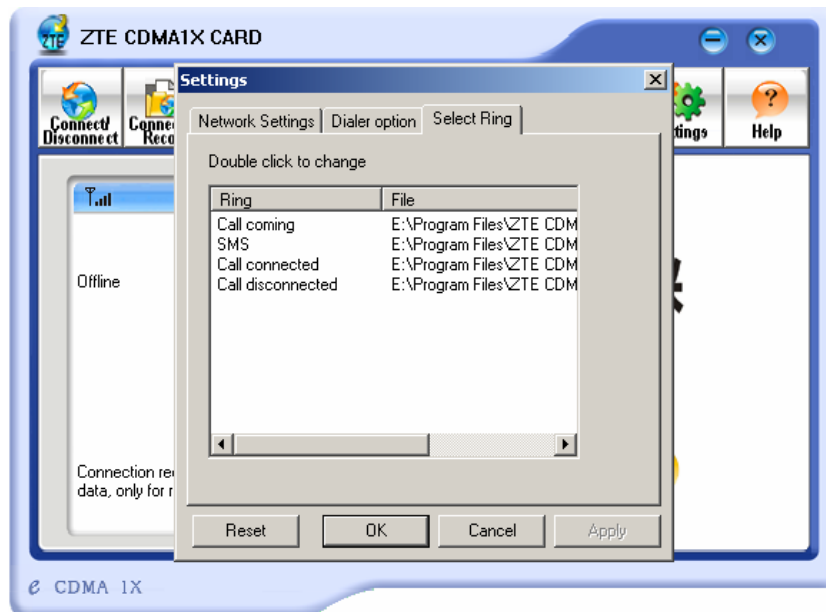
In China Unicom, they are:

1. User: card
2. Password: card
3. Number: #777



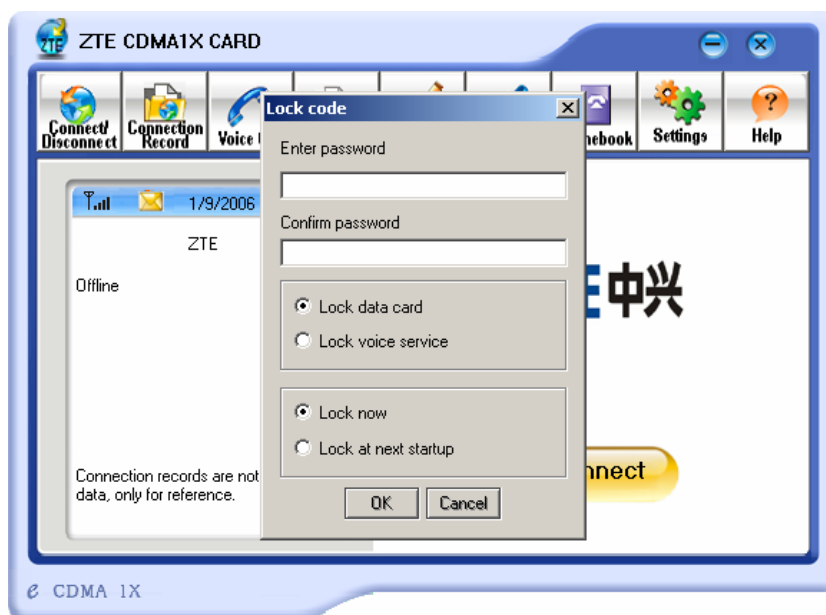
### P/T key delay setting

You can set delay for P key and T key, and you can set local phone number and host name.



### Select ring

You can select ring for Call coming, SMS, Call connected and Call disconnected.



### Lock data card

Click "Settings" button then select "Lock data card", you can set password to lock the card or voice service.

When the card is locked, click "Settings" button then select "Unlock data card", input password and click "OK", the card will be unlocked.

Click "Settings" button then select "Change lock code", you can modify the password.

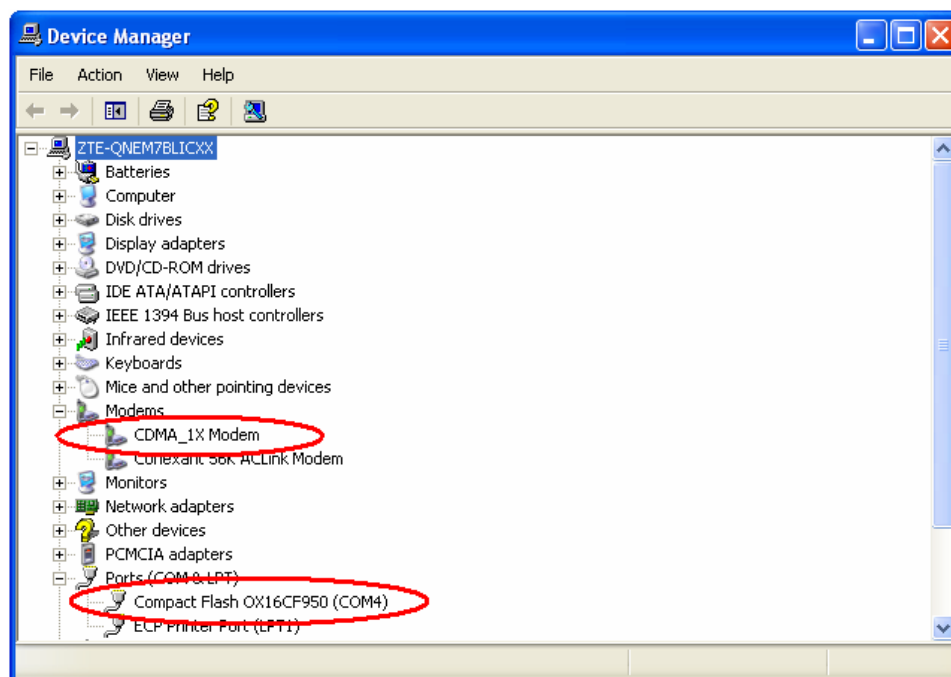


## 15.View the Software Version

Click “Help” button then select “About Wireless card application”, you can view the version of application and embedded software.

## 16.Trouble Shooting

After installed successfully, you can find the port “Compact Flash OX16CF950” and the modem “CDMA\_1X Modem” in your computer’s device manager.



If you can't find the devices, uninstall the application and start the installation process again.

| Symptoms                                                                                       | Possible causes                                                            | Suggestions                                                                               |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| The window displays the message: “Can not open the com port.”                                  | The ZTE CDMA 1X card is not in the slot.                                   | Close the application and re-insert the ZTE CDMA 1X card, then run the application again. |
|                                                                                                | Other application is using the ZTE CDMA 1X card. Such as “Hyper terminal”. | Close other applications. Then run the ZTE CDMA 1X card application.                      |
| The window displays the message: “Can not found the R-UIM card. Please check whether the R-UIM | The R-UIM card is not inserted in the ZTE CDMA 1X card.                    | Insert the R-UIM card in the ZTE CDMA 1X card.                                            |
|                                                                                                | The R-UIM card is inserted on the wrong side.                              | Insert the R-UIM card according to the indicator in the ZTE CDMA 1X card.                 |

| Symptoms                                                                                                       | Possible causes                                  | Suggestions                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| card is touched well.”<br>(only for those who need R-UIM card)                                                 | The R-UIM card error                             | Change R-UIM card.                                                                                                                                               |
| No signal indicated                                                                                            | Antenna is not plugged into the ZTE CDMA 1X card | Plug the antenna into the ZTE CDMA 1X card                                                                                                                       |
|                                                                                                                | Out of the network service area                  | Ensure it is in the CDMA network service area.                                                                                                                   |
|                                                                                                                | Poor network signal                              | Adjust your antenna please.                                                                                                                                      |
| When attempting a dial-up data connection, window displays the message, “An authentication event has occurred” | User name or password is wrong.                  | Correct the settings. You can get the information from your service provider.<br>e.g. In China Unicom, they are:<br>User: card<br>Password: card<br>Number: #777 |
|                                                                                                                | There is not enough money in your account.       | Put money into your account or Contact your service provider.                                                                                                    |
|                                                                                                                | Network is busy or has problem.                  | Try again after a few minutes.                                                                                                                                   |

If the problems cannot be solved after the above handling, please

- Download the latest ZTE CDMA 1X card program from <http://www.zteit.com> and reinstall it.
- Call 86-755-26010555 or feed back your information directly by sending emails to [zte\\_mobile@zte.com.cn](mailto: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.