ZTE MF645 HSUPA USB Modem

User Manual

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1 Modem Introduction

1.1 Introduction

Thank you for purchasing ZTE MF645 HSUPA USB Modem.

To guarantee the modem always in its best condition, please read this manual carefully and keep it for further use.

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your modem. We operate a policy of continuous development. We reserve the right to update the technical specifications in this document at any time without prior notice.

The ZTE MF645 HSUPA USB Modem is a type of multi-mode, 3G modem, suitable for GSM/ GPRS/ UMTS / EDGE/ HSDPA/ HSUPA networks. With USB interface connecting to a laptop or a desktop PC, it integrates the functionality of a modem and a mobile phone (SMS), combines mobile communication with internet perfectly. You can watch TV in computer via the modem, it also supports data and SMS services through the mobile phone network, enabling you to communicate and entertain anytime and anywhere.

1.2 Warning and Notice

To the owner

- Some electronic devices are susceptible to electromagnetic interference sent by modem if inadequately shielded, such as electronic system of vehicles. Please consult the manufacturer of the device before using the modem if necessary.
- Operating of laptop and desktop PC and modem may interfere with medical devices like hearing aids and pacemakers. Please always keep them more than 20 centimeters away from such medical devices when they are turned on. Turn the modem off if necessary. Consult a physician or the manufacturer of the medical device before using the modem.
- Be aware of the usage limitation when using a modem at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed. Therefore, turn off your modem if required.
- Don’t touch the inner antenna area if not necessary. Otherwise it will affect your modem’s performance.

- Store the modem out of the reach of little children. The modem may cause injury if used as a toy.

Modem

- Please use original accessories or accessories that are authorized. Using any unauthorized accessories may affect your modem's performance, and violate related national regulations about telecom terminals.
- Avoid using the modem near metallic structure device or establishment that can emit electromagnet wave. Otherwise it may influence receiving signals.
- The modem is non-waterproof type, please keep it dry and store in shady and cool place.
- Don't use the modem immediately after a sudden temperature change. In such case, it will produce dew inside and outside the modem, so don't use it until it becomes dry.
- Take the modem carefully. Don't lose, bend or cause it struck. Otherwise it will lead to destruct damage.
- No dismantling by non-professional and only qualified maintainer can undertake repair work.

Health and safety information

Radio Frequency (RF) Energy

This model phone meets the government's requirements for exposure to radio waves. This phone 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:

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 1.6W/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. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the Laptop is 1.130W/kg. Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID: Q78-MF645.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do no t use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not

installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/ TV technician for help.
Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

1.3 Applicability Scope

ZTE MF645 HSDPA USB Modem supports the present mainstream types of laptops and desktop PCs, such as HP, IBM, Toshiba, Lenovo, Dell, Sony, etc.

1.4 System requirements

Operating System：Windows 2000 / XP / Vista, and MAC OS X 10.3, 10.4, 10.5
Configuration (Recommended):

CPU	500MHz Pentium or above
Hard Disk	20M or above
RAM	128M or above

The performance of the modem may be influenced if configuration is under the recommended requirement.

1.5 Functions

Functions: SMS service, data service, applied management, data concurrence, watch TV, support MicroSD card, etc.

1.6 Specification

Interface Type	USB 2.0 high speed

Systems supported	Supports most types of laptop and desktop PC.
Operating systems	Windows XP, Vista, MAC OS
Functions	SMS service, Data service, Applications management, Data concurrent, watch TV，support MicroSD card, etc.
Digital TV protocol	DVB-H/DVB-T
Network Standards	HSUPA/HSDPA/UMTS/EDGE/GPRS/GSM
Frequency band	HSUPA/HSDPA/UMTS: 2100/1900/850MHz
	GSM/GPRS/EDGE: 1900/1800/900/850MHz
Transmission	HSUPA: 2.0Mbps UL
	HSDPA: 7.2Mbps DL
Temperature	Storage: -20°C ~ +60°C
	Operation: -10°C ~ +55°C
Dimension	93mm*28.8mm*12.9mm
MicroSD Capability	Support up to 8 G MicroSD

1.7 LED indications

In the USB Modem there is a multi-colour-LED (light), which shows the status of the modem, using different colours and flash-signalling. In this table below an explanation is given of all different situations:

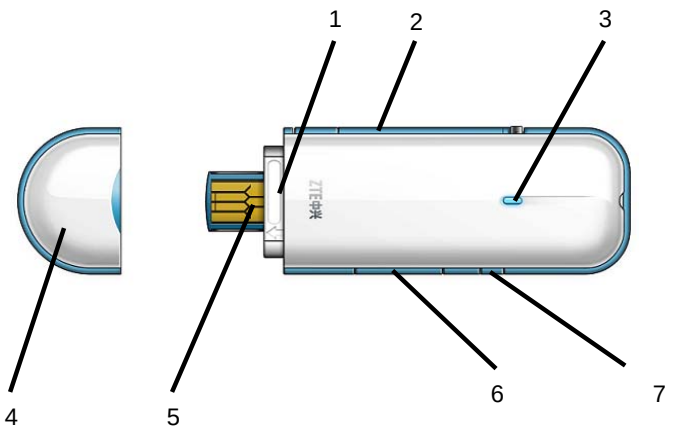
LED indication	**USB Modem working status**
Red(normal)	Not connected to the network.
Green(normal)	GPRS in use.
Green(flash)	Connected to the GPRS network.
Blue(normal)	UMTS in use.

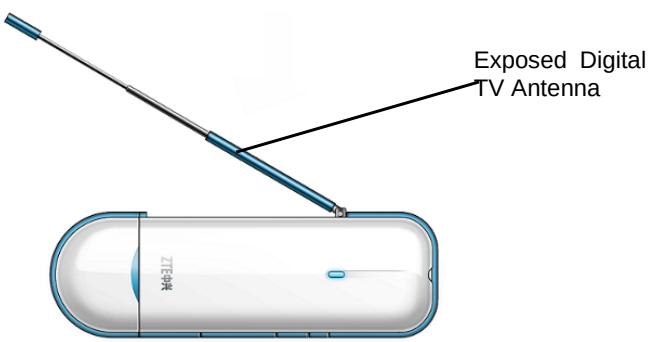
Blue(flash)	Connected to the UMTS network.
Cyan(normal)	HSDPA in use.

2 Installation

2.1 Outline and Part Introduction

1. SIM/USIM Card Slot
2. Exposed Digital TV Antenna
3. Indicator
4. Modem Cap
5. USB Port
6. MicroSD Card Slot
7. External antenna port

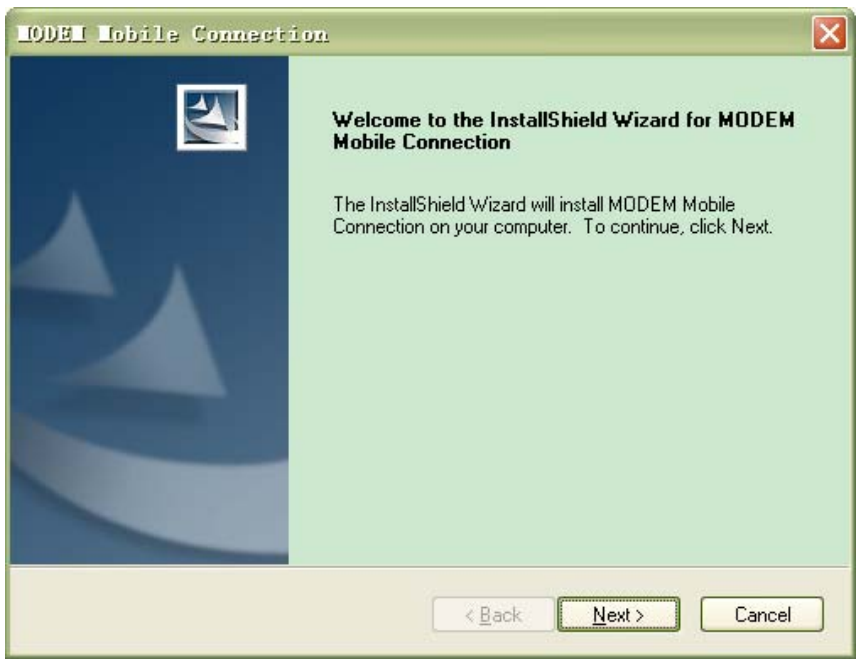




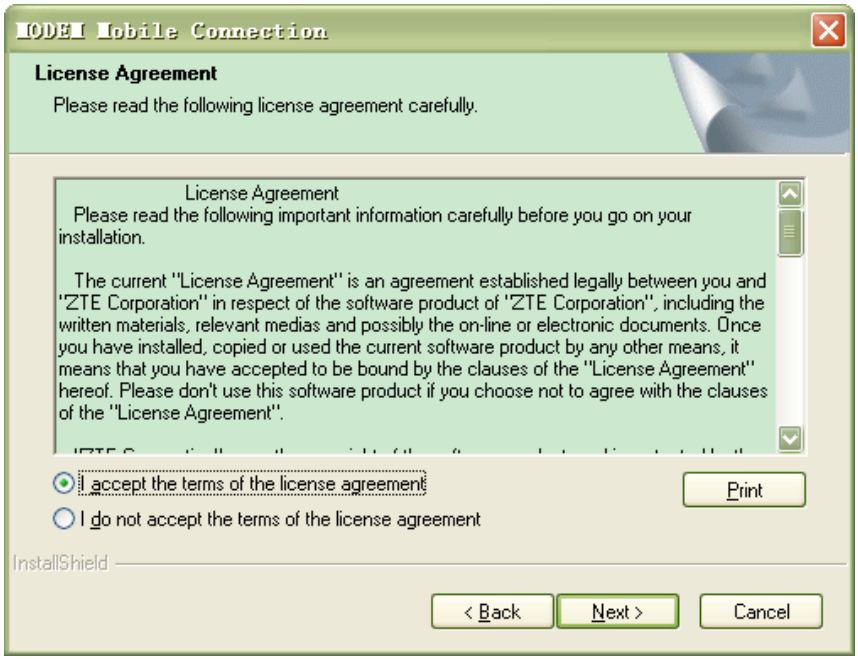
2.2 Software Installation

The system will automatically detect and recognize the new hardware and display the new icon in the desktop status bar, indicating that the computer and the USB Modem have been connected properly. After a few seconds, there will show the following installation interface if the laptop and desktop PC supports automatic installation.

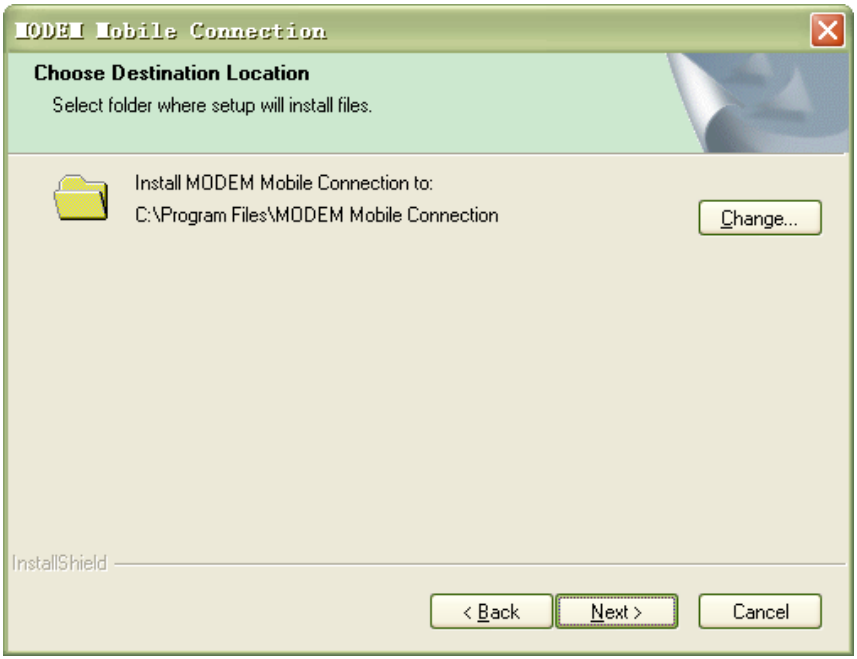
If the laptop and desktop PC doesn't support automatic installation, start the installation program by run the *AutoRun.exe* from the CD-ROM. The following installation interface will show how to start installation.



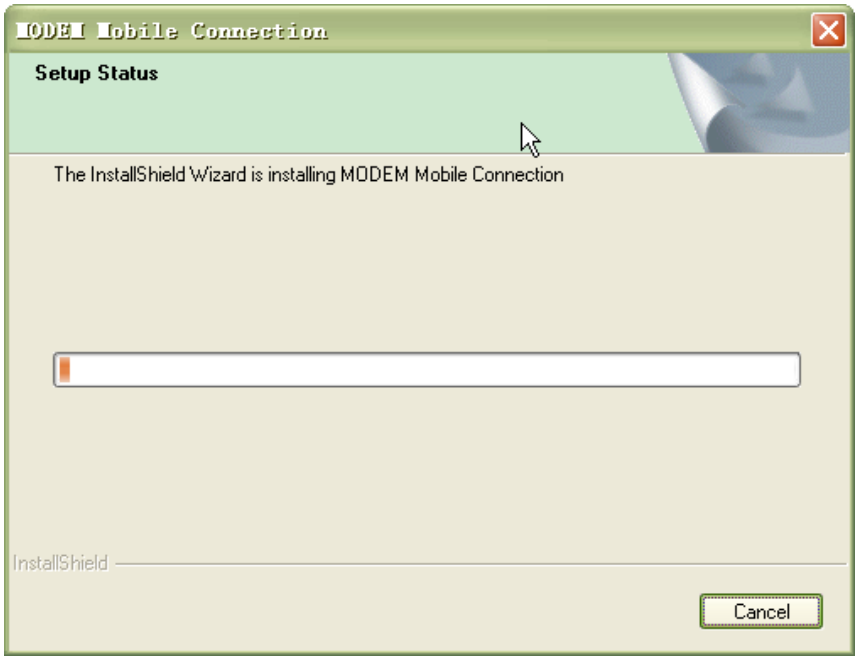
1. Strongly recommend you to exit other Windows programs, and click **Next**;



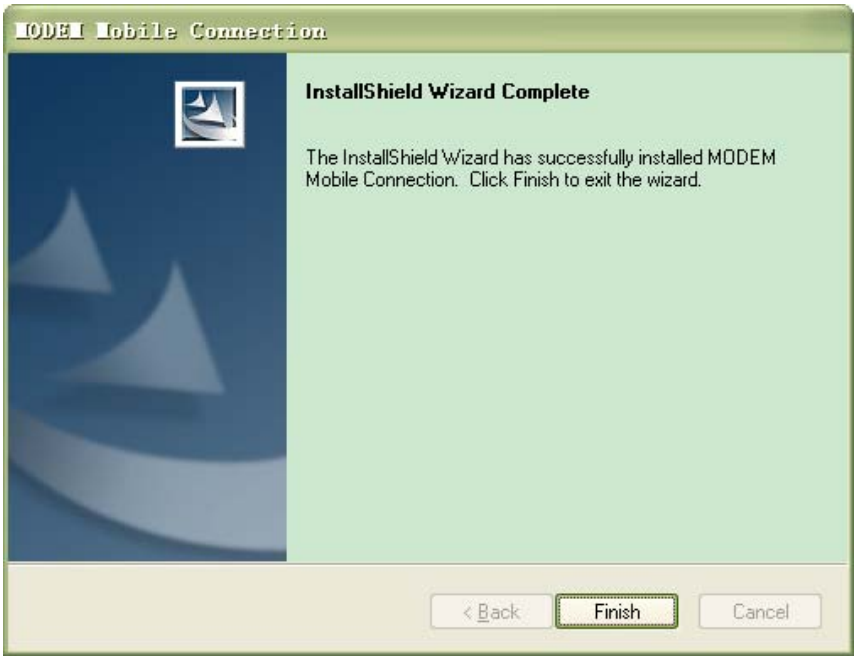
2. Read the agreement carefully. If you agree, choose **I accept the terms of the license agreement**, and then click **Next**.



3. Select the folder that you want to install the software, and you can select a different path by clicking **Change**, then click **Next**;
4. The MF645 modem manager software “MODEM Mobile Connection” begins to install;



5. The system show the installation progress, wait a minute until the following screen appears;



6. Click **Finish** to complete the installation.

Note: After MODEM Mobile Connection is installed, pull out the modem before restart the computer to avoid the damage to your modem. If you have problems with installation after the upper operation, please contact your service provider or ZTE.

After the installation, select **Start>Programs>MODEM Mobile Connection**, you can see **MODEM Mobile Connection** and **Uninstall**. There will be a Shortcut icon on the desktop just as follows.

2.3 Hardware Installation

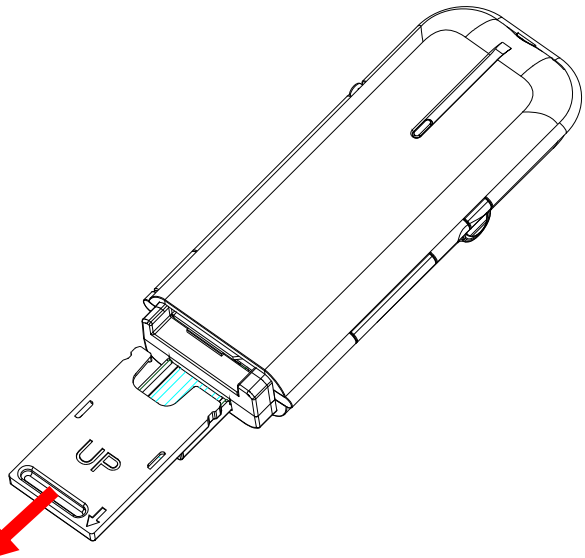
1. Insert the SIM/USIM card into the USB Modem:

Your USIM card stores your service details, phonebook and text messages. You can obtain it from a mobile phone service provider when you sign on as a subscriber.

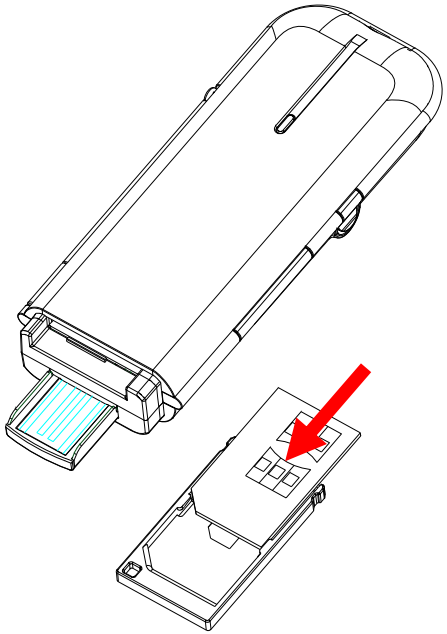
To install SIM/USIM card

- Remove the modem cap, then the USB connector is visible.
- Pull out the plastic socket above the USB connector and you can hear a click when the SIM/USIM card gets unlocked.

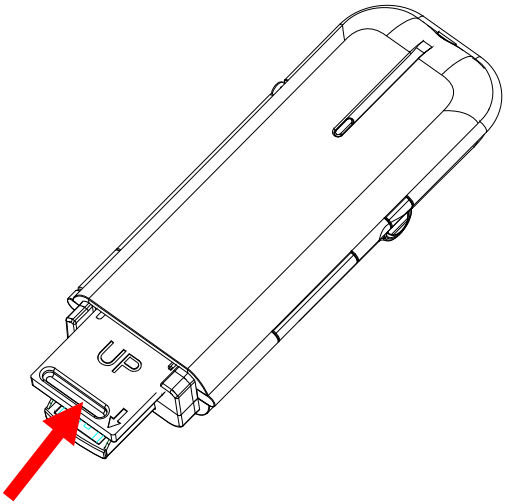
Note: Do not pull the socket rudely. Otherwise the socket will get damaged.



- Insert the SIM/USIM card into the socket, here make sure that the cut corners of the card orientated as shown in the following picture.

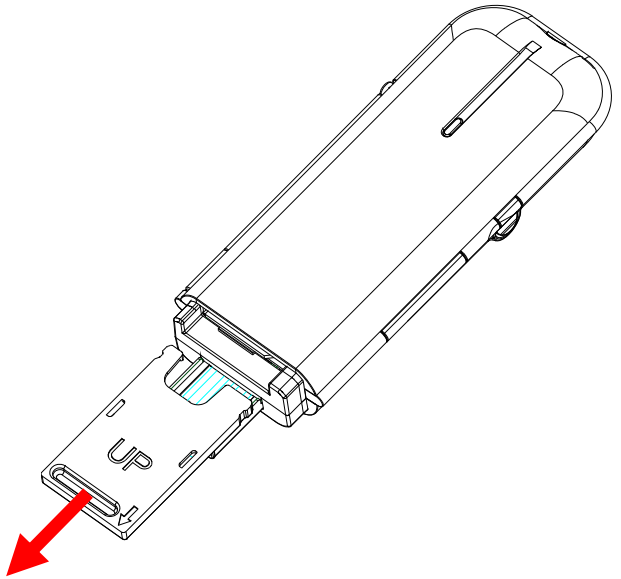


- Insert the plastic socket into the modem. You can hear a click when the SIM/USIM card locks into place.

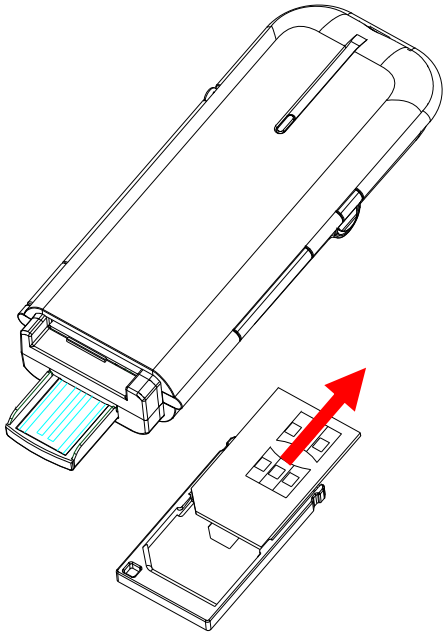


To Remove the SIM/USIM card from the USB modem

- Remove the USB cap.
- Pull out the plastic socket slightly, and you can hear a click when the SIM/USIM card gets unlocked.



- Pull the SIM/USIM card out of the card socket.

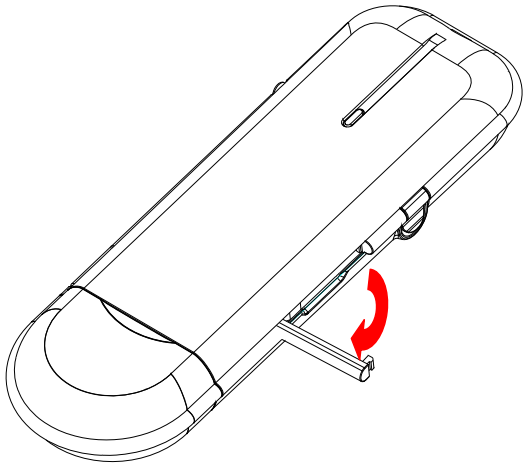


- Insert the socket into the modem.

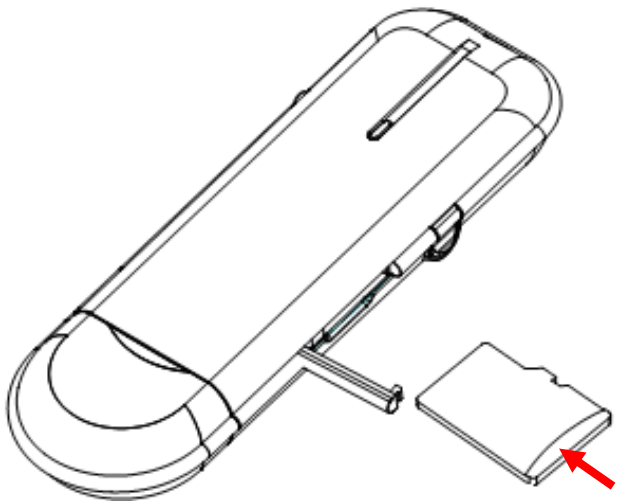
2. Install memory card

You can use a compatible MicroSD card to save more data. Only MicroSD card is supported by the modem and do not insert other memory card into the modem.

- Open the MicroSD card cover.



- Insert the MicroSD card into the slot. Make sure the metal contact of the memory card orientated as shown in the following picture.



- Close the MicroSD card slot cover.

The driver of the MicroSD card will be installed automatically when the modem driver is installed.

Note: Maximum 8 GB MicroSD card is supported

3. Connect the USB Modem to your PC

- Connect the USB Modem to the USB port and make sure that it is tightly inserted.
- Your PC system will automatically detect and recognize the new hardware and display the new icon in the desktop status bar, indicating that the computer and the USB Modem have been connected properly.
- After a few seconds, the installation program will start automatically.

2.4 Run the Application Software

After the modem is correctly connected, click **Start > Programs > MODEM Mobile Connecton > MODEM Mobile Connection** on the laptop and desktop PC to run the application software.

Or double click the shortcut icon

to run the following application software.

After modem is initialized, main interface appears. The standby icon appearing in the taskbar indicates the modem working normal.

2.5 Hardware Uninstall

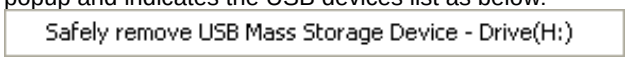
Close the software application then remove the hardware following the procedure below.

1. Click the close button .
2. Click **OK** to close the software.

3. Now you can safely remove your USB Modem.

If you use a MicroSD card in the modem:

1. Left click the icon in the Windows system tray bar. Then a menu will popup and indicates the USB devices list as below:



2. Select **Safely remove USB Mass Storage Device** which is relevant to the MicroSD card.
3. Pull out the USB modem directly if you want to disconnect the modem from the laptop and desktop PC.

2.6 Software Uninstall

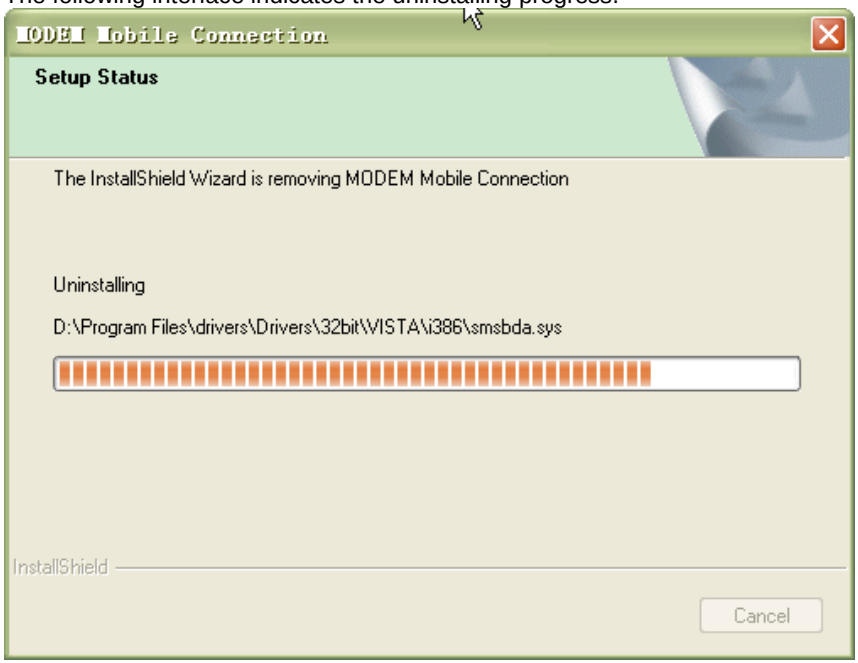
1. Close the application program before you uninstall the software.

2. Click **Start > Programs > MODEM Mobile Connection > Uninstall** on the laptop or desktop PC.

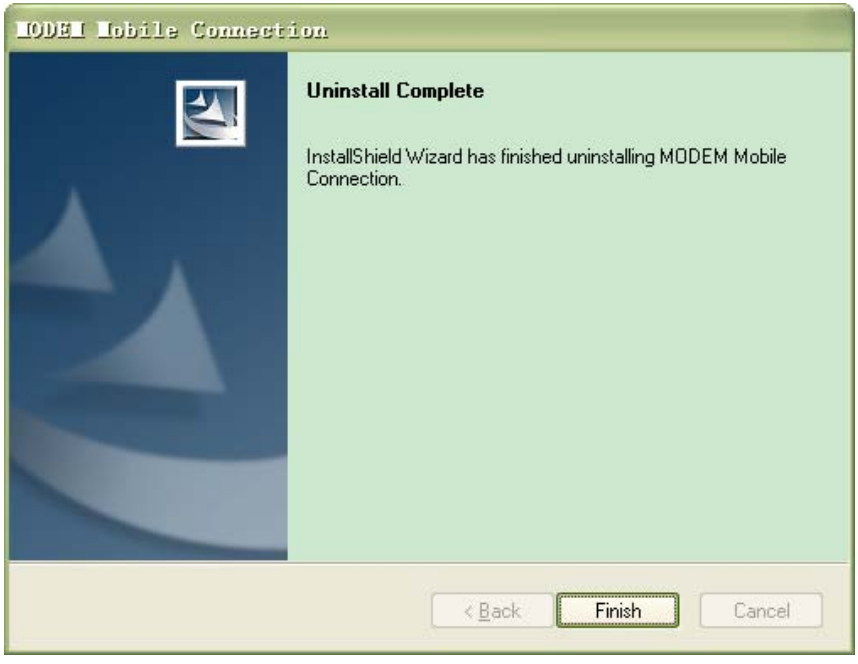
3. Click **Yes** to confirm the removal of MODEM Mobile Connection.

4. Make sure to remove Modem device from PC, and click **Yes** to start to uninstall MODEM Mobile Connection.

The following interface indicates the uninstalling progress.



5. Click **Finish** to complete uninstalling of MODEM Mobile Connection.

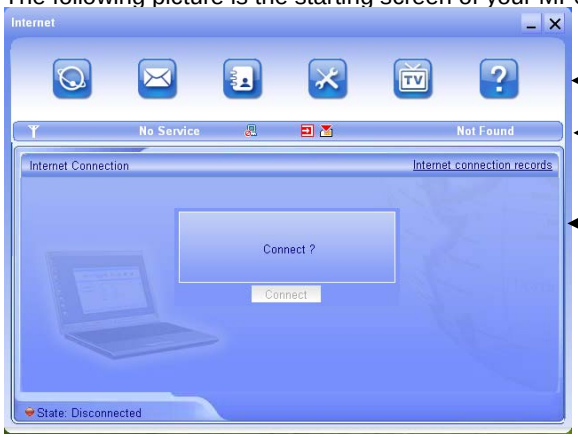

MODEM Mobile Connection
Uninstall Complete
InstallShield Wizard has finished uninstalling MODEM Mobile Connection.
< Back
Finish
Cancel

3 Functions & Operation

3.1 Interface introduction

3.1.1 Main Interface

The following picture is the starting screen of your MF645.



1. Function button area

There are six function button icons.

Internet: Connect to the Internet.

SMS: Send SMS and read SMS.

Phonebook: Save and view the different information of the contact list.

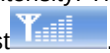
Settings: Set normal relative information for the modem.

TV Enhance：Watch TV via DVB-H/DVB-T.

Help: View the help information of MF645.

2. System information area

Icons in this area show the system status and different kinds of tips.

Icon	Function
	Indicates the network signal intensity. There are 6 stages from none to the strongest  .
	Indicates there are new SMS at present.
	Indicates the current status of Internet connection is not connected.
	Indicates the current status of Internet connection is already connected.
	P means it supports packet-switch （P）service. It is necessary for Internet connection. **C** means it supports circuit switch（C）service.
	Indicates insert status of the modem. Green means it has been inserted into the computer.
	Indicates insert status of the modem. Red means it has not been inserted into the computer.
	Indicates insert status of the modem. Yellow means it has been inserted into the computer but in offline status.
	Indicates insert status of the SIM/USIM card to the modem. Green means the card has been inserted.
	Indicates insert status of the SIM/USIM card to the modem. Red means it has not been inserted.
	Indicates the current network type, i.e. EDGE or GPRS, HSDPA service.
	Indicates the name of the current service supplier. This icon is various by different supplier.

3. User Area

Information in this area shows the operation that you can do.

3.1.2 Description of Mini Icons

When click the mini button , the software will minimize as an icon on the

system tray. If connected to the Internet, the minimized software won't influence the download of data transfer or receiving SMS. When the application window is minimized, the system icons will display on the taskbar. Double click the icon to resize the display.

1. Taskbar Icons Description

The USB Modem has been inserted into the computer.

The USB Modem not been inserted into the computer.

The USB Modem is offline.

SIM/USIM card has not been inserted.

No network signal.

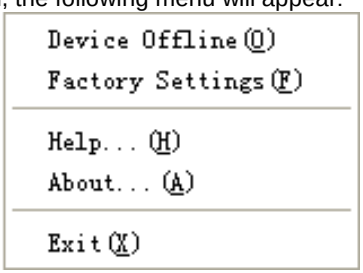
There is a new message.

The USB Modem is ready to connect to Internet.

The USB Modem is connected to Internet.

2. The uses of Tray Icons

Right click the tray icon, the following menu will appear:



Device Offline/Device Online: Disconnect/connect the current connection of the modem and the network.

Factory Settings: Reset your MF645 to factory settings.

Help: View the Help information of the modem.

About: View the information of software and hardware versions.

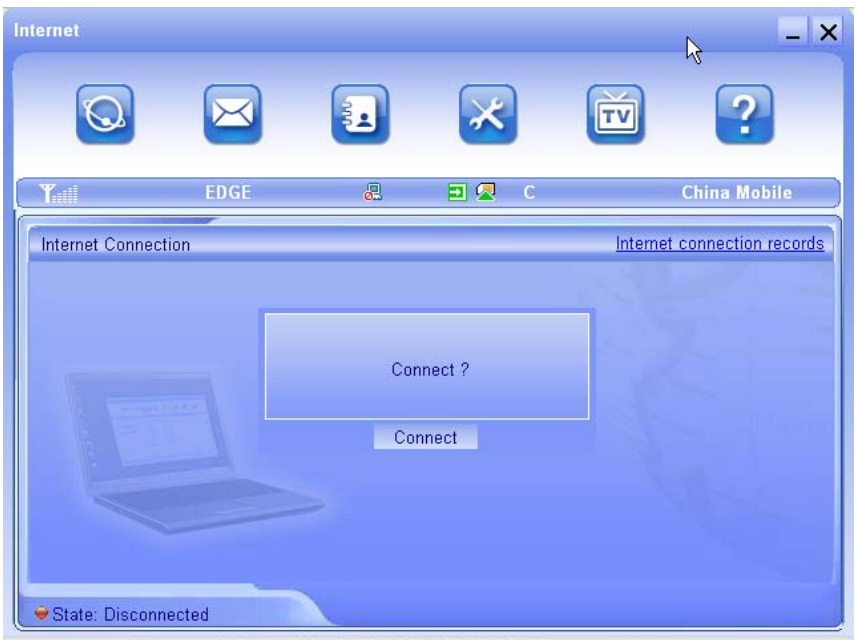
Exit: Close the software and stop the modem from working.

3.2 Connecting Internet

You can browse web pages after you have accessed to Internet with the help of modem, you can also receive SMS when surfing in the Internet.

1. Connect to Internet

Click the Internet icon. Then the system will ask you “Connect?” Click **Connect** button to connect to internet.



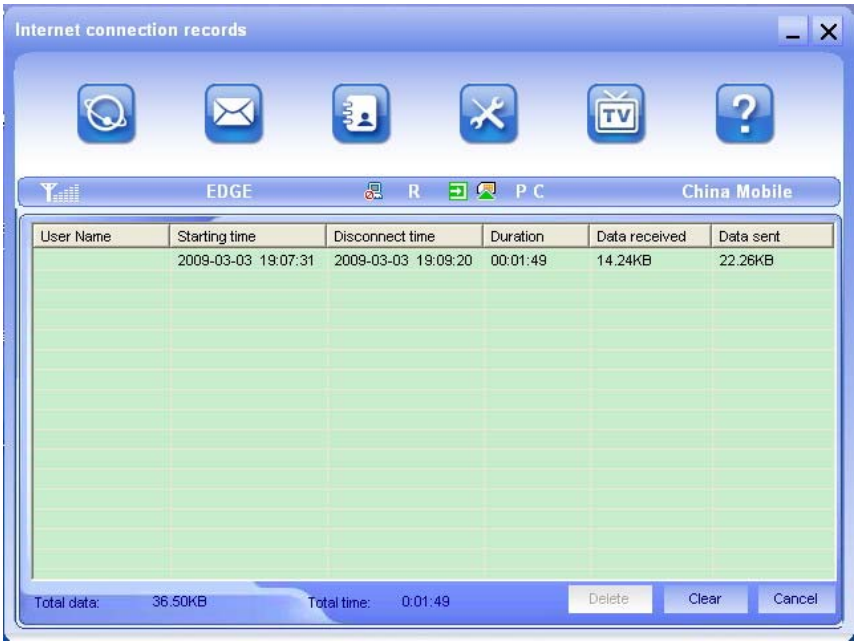
When connected, it will show **State: connected to …**, and it will show data amount, connected time and so on. Then you can access Internet and receive email etc.

through the network.

During the course of connecting, when the **Connect** button becomes **Disconnect** button, you can click **Disconnect** to cancel the connecting.
Note: The modem has the function of locking the SIM/USIM card. If you use the SIM/USIM card provided by the other network provider, maybe you can't connect to the network. If you have any problem, you can consult your network provider for further information.

2. Internet connection records

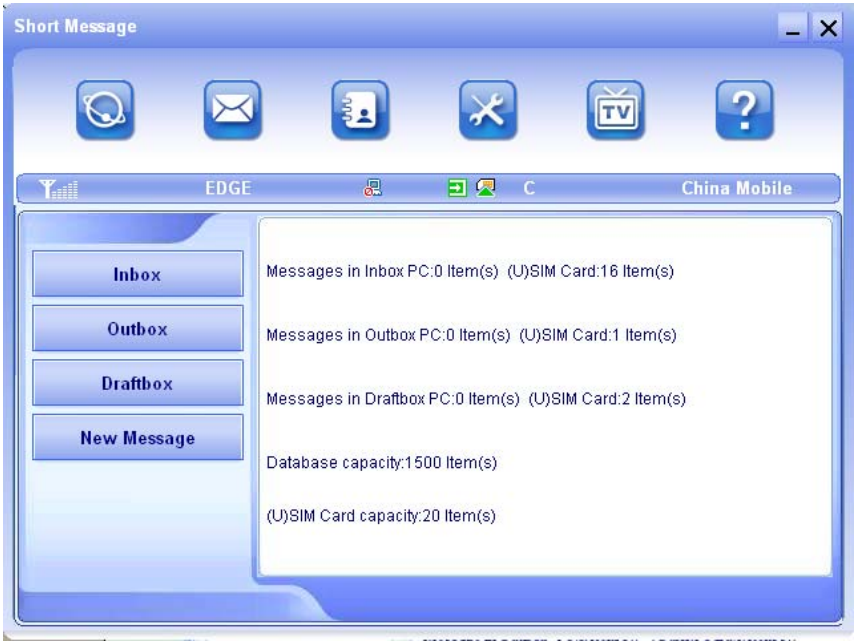
Click Internet connection records to check the log of Internet connection history.



3.3 SMS

Note: To make sure that the SMS can be used properly, at first, you should setup the correct SMS center number. Refer to section ***3.5.4 Messages settings***.

Click the **SMS** icon to switch to the SMS interface and it will show the number of SMS in the inbox, outbox and draft box. You can click icons of **InBox**, **OutBox**, **DraftBox** and **New Message** to enter relative interface.



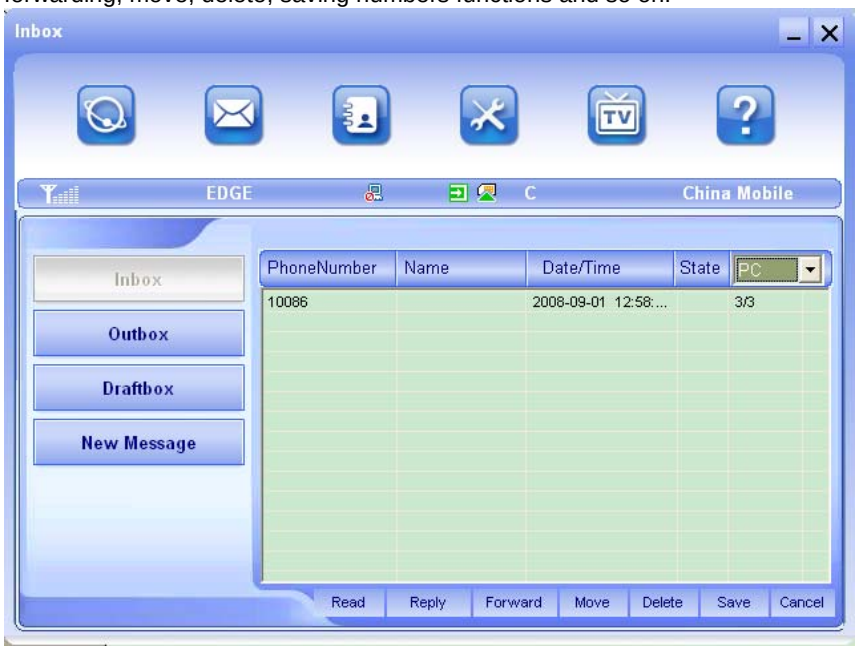
InBox: Save the received SMS.
OutBox: Save the successfully sent SMS.
Draft box: Save the editing SMS which haven't been sent. The drafts can only be saved in PC side.
New Messages: Write a new message.

For example: "Message in InBox PC : 0 Item(s) (U)SIM Card: 16 Item(s)" means: The PC side has 0 short messages and there are 16 short messages in the Inbox of the SIM card , "SIM Card capability" means the SIM card can hold 20 short messages.
Different SIM/USIM cards will have different capacities. For more information, please consult your supplier. It will show the capacity automatically in usage, like the above "20".

3.3.1 Read SMS

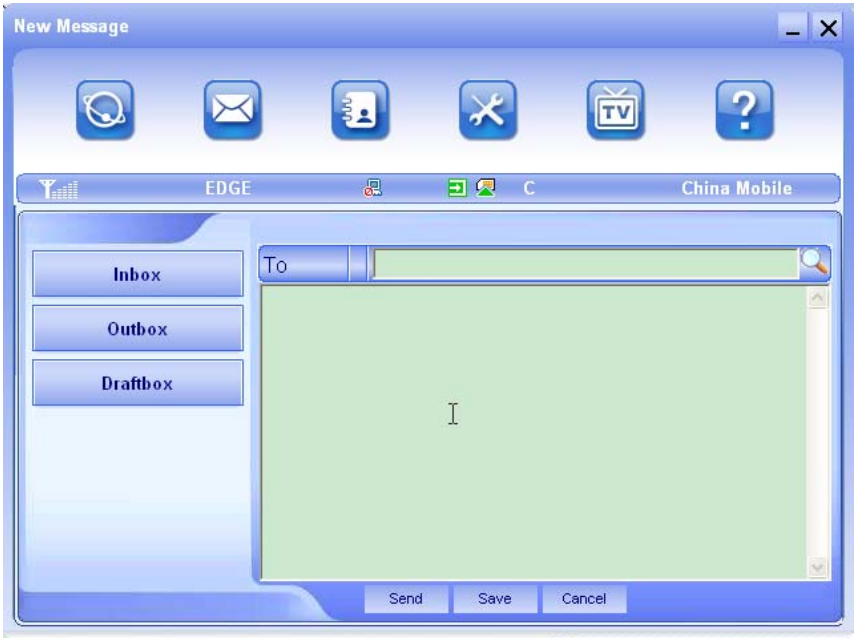
Click the **Inbox** button or the SMS icon on the system information area to read the SMS saved in the box. .

You can use the buttons under the menu to execute reading, replying, forwarding, move, delete, saving numbers functions and so on.



3.3.2 Create new message

Click **New Message** button to input the recipient's number and content.

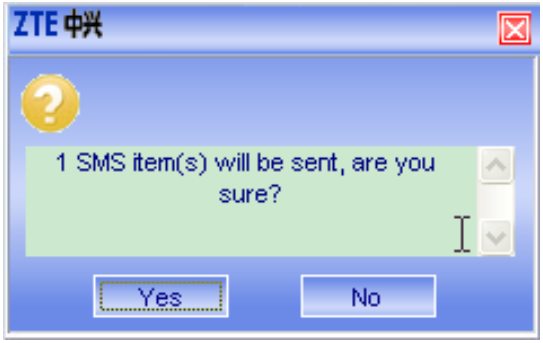


The recipient's number can be input directly or by entering the phonebook to select one/more/group records.

The recipient's amount can be one or more. Please use ";" to separate recipients.

The SMS content can include 140 individual English characters (including English symbols. On the interface, there will show total characters.

Click **Send**, the prompt screen will appear on the interface just as follows.



Select “Yes”, and then the edited short messages will be sent.

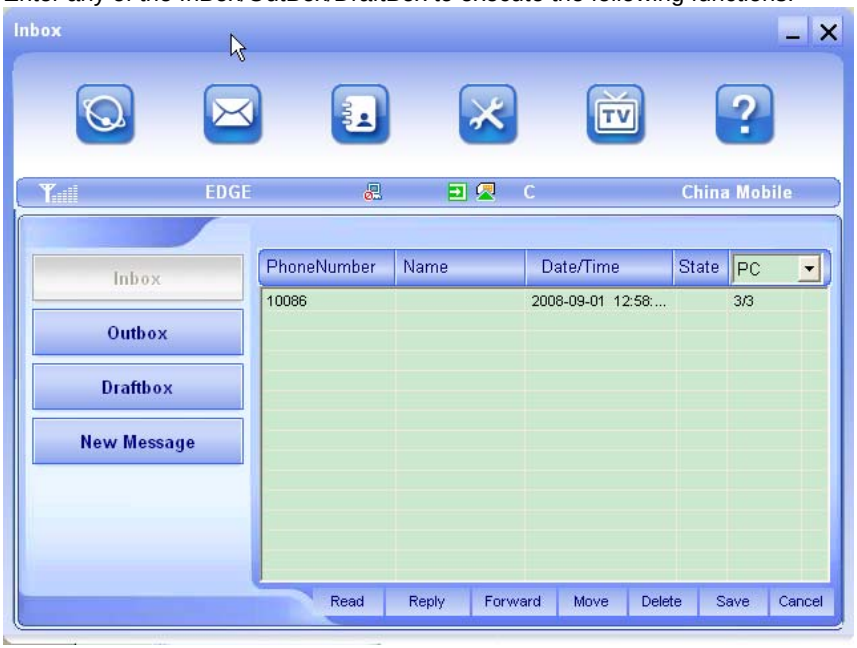
After sent successfully, the SMS will be saved into outbox automatically. If it is not sent successfully, it will be saved to the draft box automatically.

Sending SMS while browsing the web:

When surfing the Internet, if your network supports, you can send short messages. Click **SMS** button icon, enter the short message interface to send short messages normally.

3.3.3 The SMS box Operating Guide

Enter any of the InBox/OutBox/DraftBox to execute the following functions:



Read: Read all the information of short messages. (The content of short messages, sender's phone number, delivered date and time)

Reply: Reply short messages to the sender.

Forward: Send the short message to other recipients.

Move: Change the saved position (at PC side or USIM/SIM card) of short messages to another position (at USM/SIM card or PC side). When the modem receives new short messages, it will receive them by the USIM/SIM card and save them at the PC side.

Delete: Delete the selected short messages.

Save: Save the send part number obtained from the message to phonebook.

Cancel: Return to the SMS interface.

If you want to select several messages, you can use the "Ctrl" or "Shift" key to

execute multi-choice, and left click an item to add to selection.

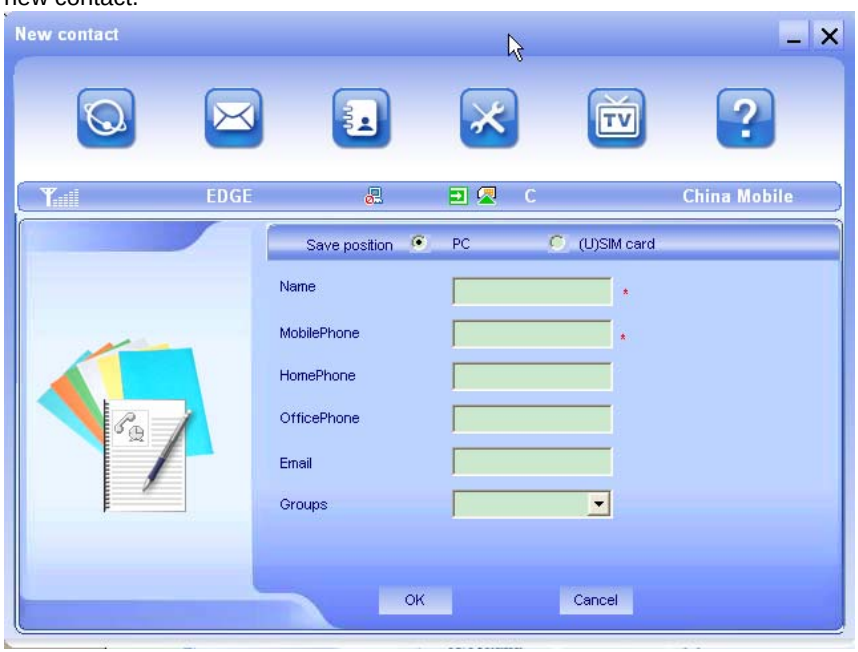
New message can not be received when the USIM/SIM card is full of short messages (Different USIM/SIM cards have different capacities), the system will indicate the inbox is full and make users clear the inbox at USIM/SIM card side, while new message can not be saved.

3.4 Phonebook

Click the **Phonebook** icon to switch to the phonebook interface, the phonebook information can be saved in the PC or SIM/USIM card and you can choose the saved position. Each record includes contact name, mobile phone number, family phone number, office phone number, email and the group name which it belongs to.

1. New Contact

Left click **New** > **New Contact**, input the content, then click **OK** to finish adding a new contact.



2. New Group:

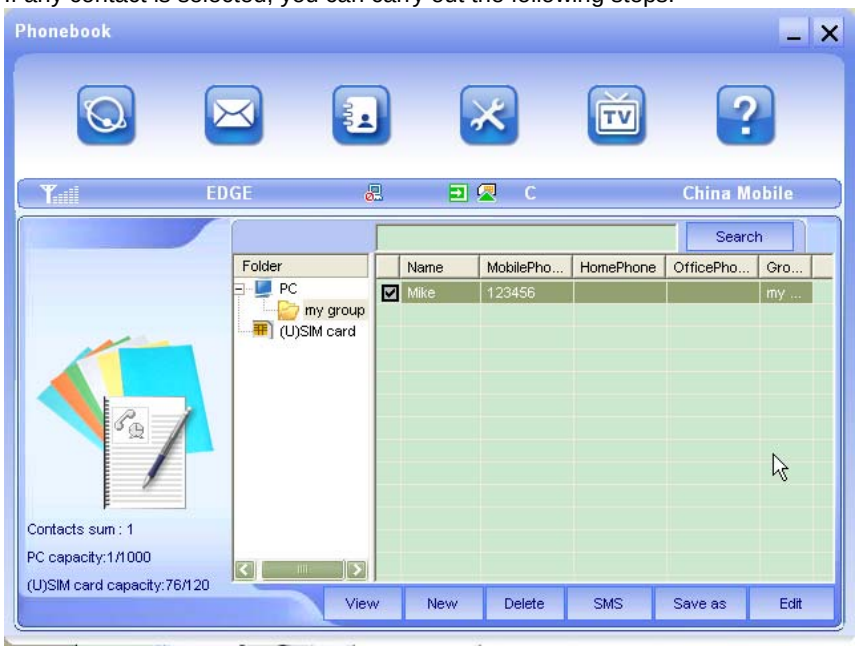
You can add new group at the PC side. But you cannot add new group at the SIM/USIM side.

Left click **New > New Group** and input the group name,

Select contact records from the right contact list and drag them to the right group item, if you want to add contacts to a group.

3. Other buttons Description

If any contact is selected, you can carry out the following steps:



View: View the selected contact's information.

Delete: Delete contacts or groups.

SMS: Send messages to the mobile phone numbers in the records.

Save as: Save the detail information of the selected contacts to a TXT file on local drive.

Edit: Edit the information of selected contact.

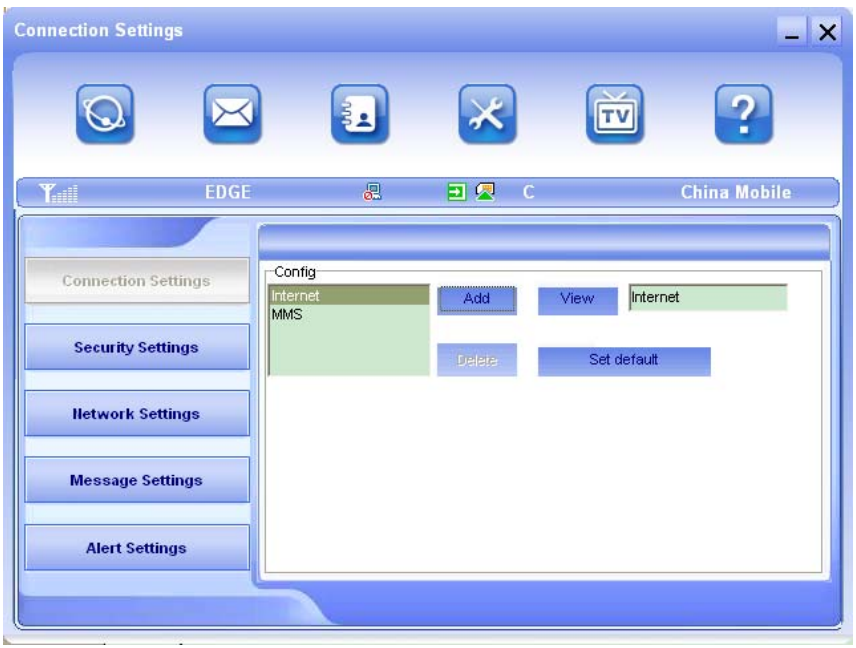
3.5 Settings

Click "**Settings**" icon to switch to the settings interface. It includes: Connection settings, Security settings, Network settings, Messages settings, Alert settings.

Note: All the necessary settings are preset by default. There is no need to change such settings, if you want to change these settings, please consult with your service provider.

3.5.1 Connection Settings

To ensure that the modem can connect the Internet properly, you should configure the connection information first.



(1) Button description

Add: Add new configuration file.

Delete: Delete the selected configuration file.

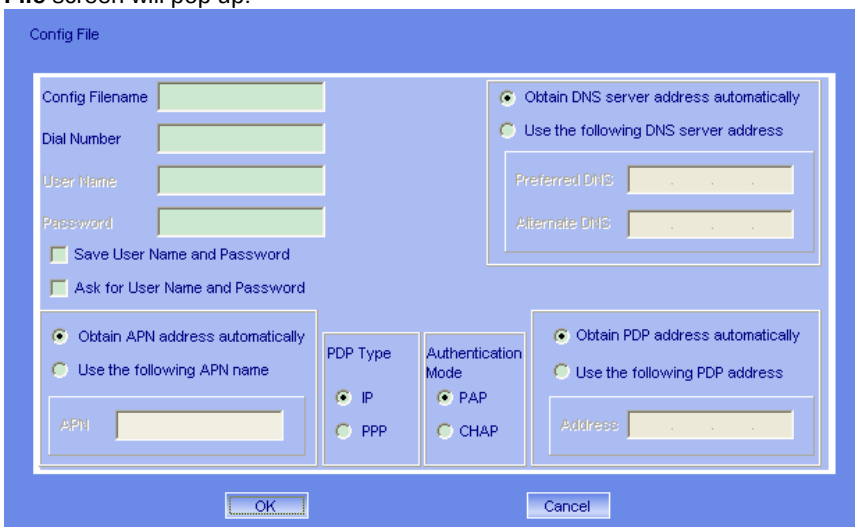
View: View the selected configuration file. You can only view the default configuration files but can not edit them.

Edit: Edit the selected configuration file. You can only edit the configuration files added by yourself.

Set default: Select one configuration file from the list, and set it as the current using file.

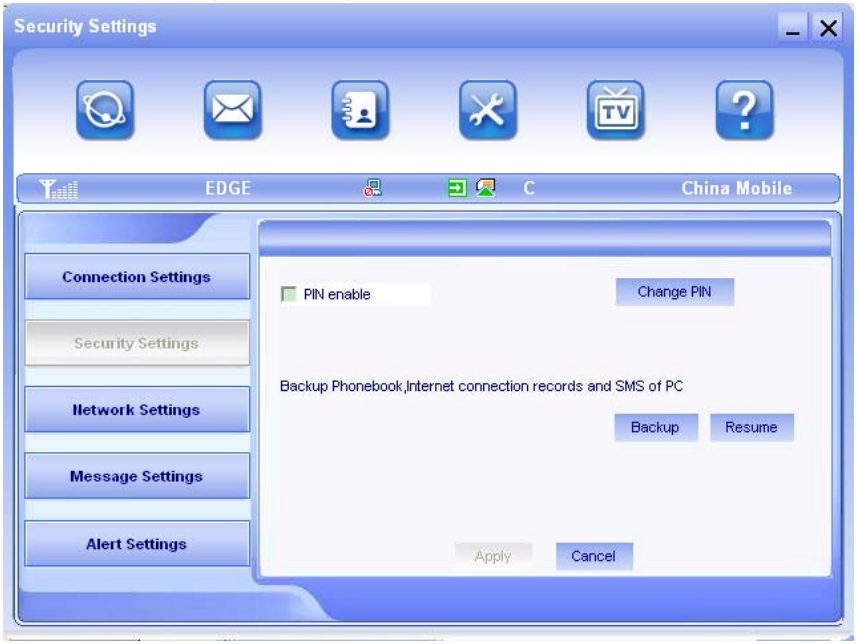
(2) Add new Configuration file

Click **Add** button to add new connection information to the system. The **Config File** screen will pop up:



The configuration information includes: **Config Filename**, **Dial Number**, **User name**, **Password**, **APN**, **DNS**, and **PDP address**. If network supports “Obtain APN/DNS server/PDP address automatically”, the modem can obtain the assigned IP information automatically. If network does not support it, you should input the proper addresses manually. Please consult your service provider for more detailed information.

3.5.2 Security Settings



1. Enable the PIN Code

- Select the **PIN enable** check box.
- Click **Apply** button.
- Enter PIN code and click **OK**.

Note: If you enable the PIN code, you need to enter your PIN code every time before you start to use your MF645.

2.Change the PIN code

- Make sure to enable the PIN code.
- Click **Change PIN** button.
- Enter the old PIN code.
- Enter the new PIN code twice.
- Click **OK**.

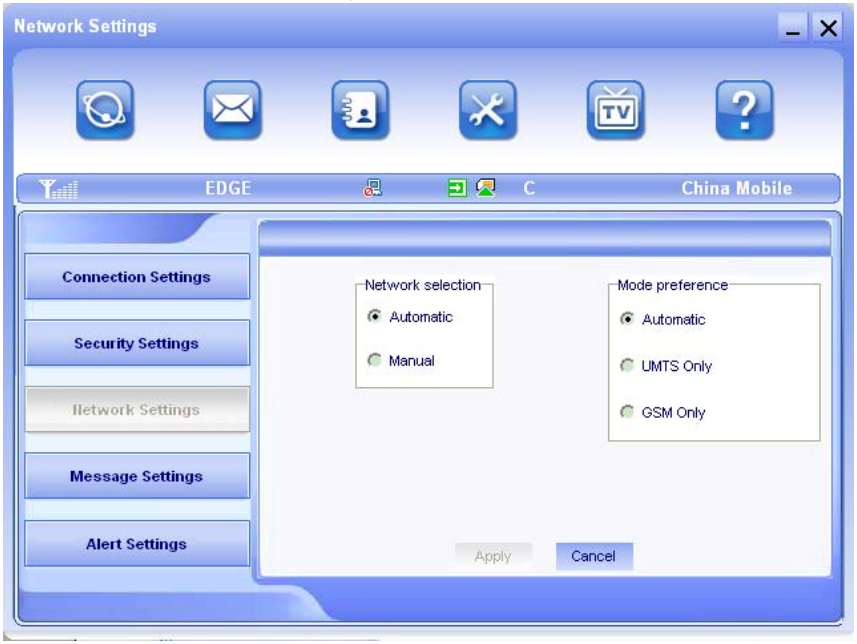
3. Backup Phonebook and SMS

You can backup your Phonebook and SMS manually into the PC side.

- Click **Backup** button.
- Select the backup location in your PC.
- Click **Save**.

If you want to update your Phonebook and SMS, you can click **Resume**.

3.5.3 Network Settings



1. Select Network

Automatic: The system selects the network automatically by the user's selected rules and the network status.

Manual: You can select the network manually:

- Select Manual.
- Click **Apply** button.
- Select a proper network after the supplier list is shown in the window.

Note: The network you can use is shown after icon.

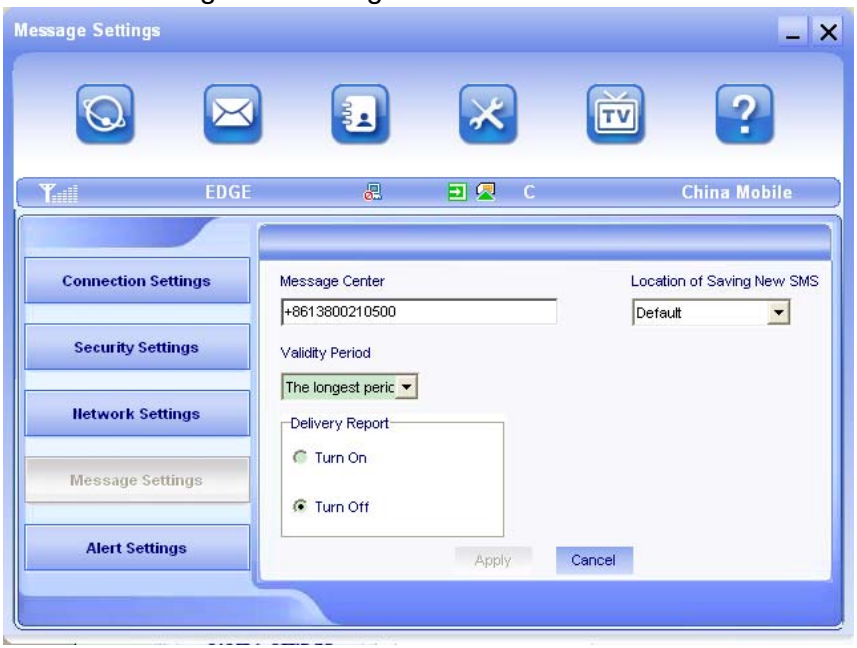
- Click **Select** button.

2. Select the Network Mode

Automatic: The system selects the network automatically.

UMTS Only: The system selects UMTS network only.
GSM Only: The system selects GSM network only.

3.5.4 Messages Settings



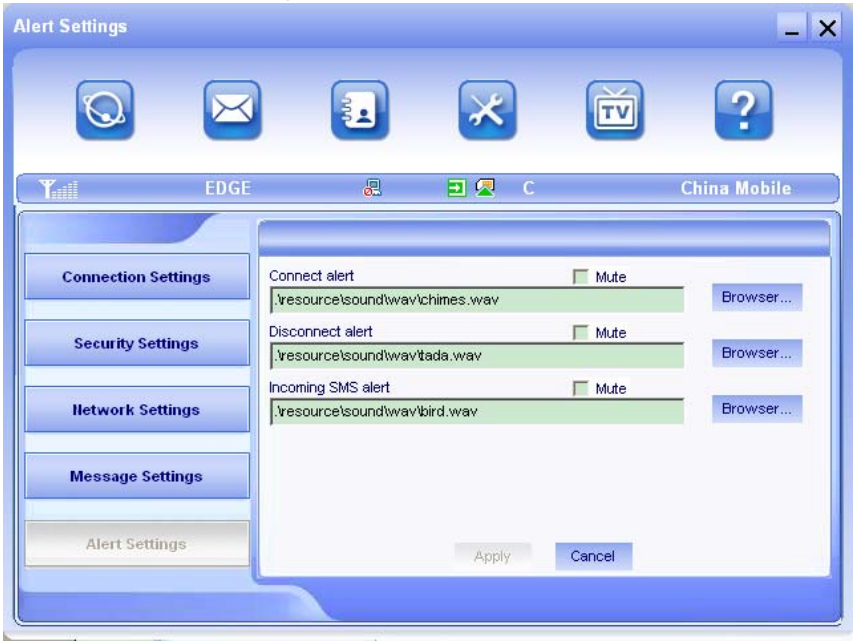
Message Center: Set the message center number. You can use the default number preset by your service provider. If you want to edit it, please consult with your service provider for more information.

Validity period: Set the time limit for saving SMS in the network side. (This function needs network supports.)In option：12 hours/A day/A week/The longest period. Standard setting is the longest period permitted by the network.

Location of Saving New SMS: Select “Default” to save new SMS in the place set by network. Select “(U)SIM Card” to save it in SIM/USIM card; select “PC” to save it in your PC.

Delivery Report: If you select to **Turn on** the delivery report, you can receive a delivery report while your sent message is received.

3.5.5 Alert settings



You can set **Connection alert**, **Disconnect alert** and **Incoming SMS alert** by yourself. These alerts will sound on the PC side. The audio file supports MP3, WAV, MID and WMA format. If you select **Mute** check box, you cannot hear a corresponding alert.

3.6 Watching TV

You MF645 USB modem enables TV reception via DVB-H /DVB-T. After initiating the supplied TV software, you can search for the DVB-H /DVB-T signal and receive the encrypted channels on your PC. You need to have an active contractual relationship and your service provider must activate DVB-H /DVB-T. In case you have any problem with DVB-H /DVB-T, please contact your service provider.

Click **Menu** button to view **Channel Guide**, **Setting**, **Change Language**, and **Help**.

The functions of playing operation button as follows:

	Previous	Click "**Previous**" button to watch the previous program.
	Play	Click "**Play**" button to watch TV.
	Next	Click "**Next**" button to watch the next program.
	Pause	Click "**Pause**" button to pause.
	Full Screen	Click "**Full Screen**" button to display the full screen.
	Volume	Adjust volume. There are 6 stages from mute to the highest.

Note: This function needs local network support. Please consult your service

provider for help.
Tip: While watching TV, pull out the TV antenna to receive better signal.

3.7 Help

Click **Help** icon, and switch to the help interface. Under the help topic, you can get the USB Modem information about function introductions, installation and usage guide, visions and published date of application software and hardware, etc.

3.8 MicroSD card

When you use microSD card in the modem, the system will display the MicroSD card as a removable disk. You can use it freely. It is convenient for you to check the contents in your MicroSD card.

4 FAQ & Answers

When you meet the following problems in service, please refer to the following answers to solve it. If the problems still exist, please contact with your suppliers.

Problem Description	Possible Causes	Problem Solving
The system can not run the installation program automatically.	The system configuration is not suitable for the auto run.	Open the visual disc of the modem program and start the autorun.exe. If you have installed the other version of installation program please uninstall it firstly.
After the full installation, the system doesn't install the driver program properly.	The system configuration is not suitable for the auto run.	Please install the driver program manually. The driver program can be found in the installation address: C:\Program Files\MODEM MOBILE CONNECTION\drivers
After the modem is plugged in, the UI program doesn't run automatically.	The system configuration is not proper.	Please open the UI program manually. You can find it in the Windows Quick start menu or the shortcut on the desktop.
After restarted the computer, there is no signal.	1. The position of the USB Modem inner antenna is unfitting.	1. Adjust the angle and position of the USB Modem.

Problem Description	Possible Causes	Problem Solving
	2. You are in the place where no GSM/GPRS/ EDGE/WCDMA/HSDPA network covered , such as underground parking lot, tunnel etc.	2. Change to the places where there is good signal.
When the USB Modem has been plugged in, computer cannot find the visual disc of the USB Modem.	1. The installation programs of the USB Modem haven't been installed properly.	1. Run the installation program first, then insert the modem. If you use the WinXP operating system, install the drivers according to the Windows indication information to operate.
	2. The modem isn't inserted well.	2. Restart the computer, or insert the modem again.
	3. The SIM/USIM card isn't inserted well, such as inserted in reverse.	3. Insert the SIM/USIM card correctly again. Make sure the metal contact side should be inserted inside
Message sent failed.	1. The SMS center number isn't correct.	1. After consulted with service provider, configure the right number in Message settings.
	2. The network is busy and other reasons.	2. Try later.

Problem Description	Possible Causes	Problem Solving
Date connection failed.	1. You are in the place where no GSM/GPRS /EDGE/UMTS/HSDPA network covered， such as underground parking lot, tunnel etc.	1. Change to the place where there is good signal.
	2. The network at this time in this place is busy now.	2. Try later.
	3. The APN in the configuration files is error.	3. Check the APN in the configuration file in the “ Config file”.
	4. The modem data is error.	4. It is perhaps the GPRS or WCDMA network problem and please contact with the local supplier in time.
	5. The network type selected by manual is wrong.	5. Select the correct network type according to the type of the SIM/USIM card.
Connected to the Internet, but it cannot open any website page.	1. After connection, there is no data transfer, which resulted that you can not open web pages.	1. Check that the APN in the Configuration files is correct or not.
	2. The IE browser got problems.	2. If the IE gets problems, upgrade to the new version or reinstall the IE browser.

Problem Description	Possible Causes	Problem Solving
	3. The operating system is infected by virus (Such as Worm Blaster which can take up a quantity of upload data flow and result that it can't receive downloaded data flow so that you cannot open any website.)	3. Use the professional anti-virus software to check and kill the virus in the operating system completely.
	4. You have connected to other APN. which cannot connect to the Internet.	4. Consult the shop or ZTE.
The Modem cannot connect to the Internet in other places	Your USB Modem is not permitted to roam in your network.	Connect with the shop or ZTE.
No warning tone	No audio card is fixed in computer or the volume is too small.	Check the audio card and adjust the volume properly.
My MicroSD card can not read or not found	Check the MicroSD card capacity, the maximum supported capacity is 8 GB.	Use another MicroSD card with a maximum capacity of 8 GB.