

ZTE MF620

HSDPA USB Modem

User Guide

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1 USB Modem Introduction

1.1 Introduction

Thank you for choosing the MF620 HSDPA USB Modem.

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

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your modem. Please subject to the real object. ZTE operates a policy of continuous development and reserves the right to update and modify the technical specifications in this document at any time without prior notice.

ZTE MF620 HSDPA USB Modem is a type of multi-mode, applicable to GSM/GPRS/EDGE/WCDMA/HSDPA network. With USB interface to connect to Apple computer, it integrates some functions of connection manager and mobile phone, and combines mobile communication with the Internet perfectly. Via GSM/GPRS/EDGE/WCDMA/HSDPA mobile network, it carries out data service, helping you break away from limitation of time and zone, and communicate wirelessly anytime and anywhere.

1.2 Safety 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 modem if necessary.
- Operating of notebook PC and modem may interfere with medical devices like hearing aids and pacemakers. Please always keep modem more than 20 centimeters away from such medical devices when they are in use. Power off modem if necessary. Consult a physician or the manufacturer of the medical device before using 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. Do not use modem if necessary.
- Store modem out of the reach of small children. Modem may cause injury if used as a toy.

Modem

- Please use original accessories or accessories that are authorized by the manufacturer. Using any unauthorized accessories may affect your modem's performance, and violate related national regulations about telecom terminals.
- Avoid using modem near metallic structure device or establishment that can emit electromagnetic wave. Otherwise it may influence receiving of signals.
- The modem is non-waterproof, please keep it dry and store in shady and cool place.

- Don't use modem immediately after sudden temperature change. In such case, there will be dew inside and outside the modem, so don't use it until it becomes dry.
- Take the modem carefully. Don't drop, bend, knock or harshly treat it to avoid destructive damage.
- No dismantling by non-professional and only qualified maintainer can undertake repair work.

In Aircraft

- Please power off modem before the airplane takes off. In order to protect airplane's communication system from interference, it is never allowed to use modem when it is in flight. Using it before the plane taking off should get aircrew's permission according to safety regulations.

1.3 Applicability Scope

Apple Computer

1.4 System Requirements

Operating System: Mac OS Version 10.4 or above

Configuration: CPU PowerPC or Intel

 Processor 500M or above

 Memory 128M or above

The performance of the modem may be influenced if configuration under recommendation required.

1.5 Functions

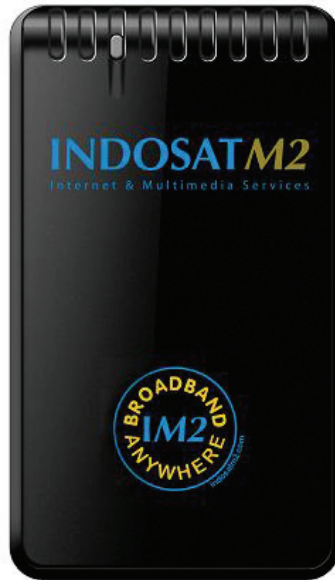
Functions: Data service, Applications management, etc.

1.6 Specification

Networks Sys.	HSDPA/WCDMA/GSM/GPRS/EDGE
Frequency Band	HSDPA/UMTS 2100MHz: Up-link 1920~1980 MHz, Down-link 2110~2170 MHz (WCDMA)
	GSM/GPRS/EDGE 900MHz: Up-link 880~915MHz, Down-link 925~960 MHz (GSM900)
	GSM/GPRS/EDGE 1800MHz: Up-link 1710~1785 MHz, Down-link 1805~1880 MHz (GSM1800)
	GSM/GPRS/EDGE 1900MHz:Up-link 1850~1910 MHz, Down-link 1930~1990 MHz (GSM1900)
Dimension	49mmx86mmx12mm
Weight	80g
Data Rate	In HSDPA Mode, max download speed 3.6Mbps; In WCDMA Mode, max speed 384 Kbps; In EDGE mode, max speed 236.8Kbps
Working Voltage	3.3V (Notebook PC power supply)
Current Loss	Stand by: 80mA Max: 850mA
Max. Transmission Power	WCDMA Mode: 200mW, GSM/GPRS Mode: 2W
Battery	Li-ion battery, 780mAh

2 Installation

2.1 Appearance



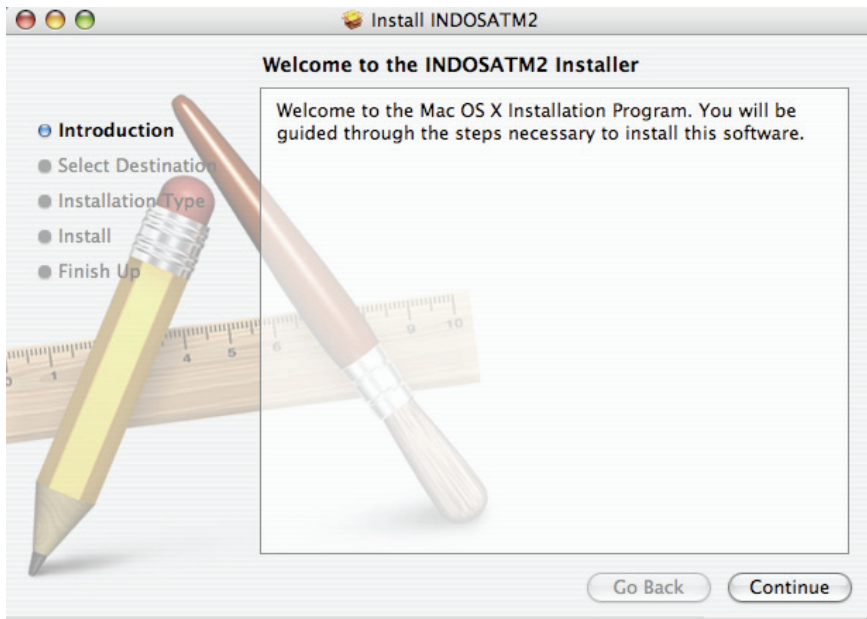
2.2 Software Installation

Install the software before connecting your modem to your PC.

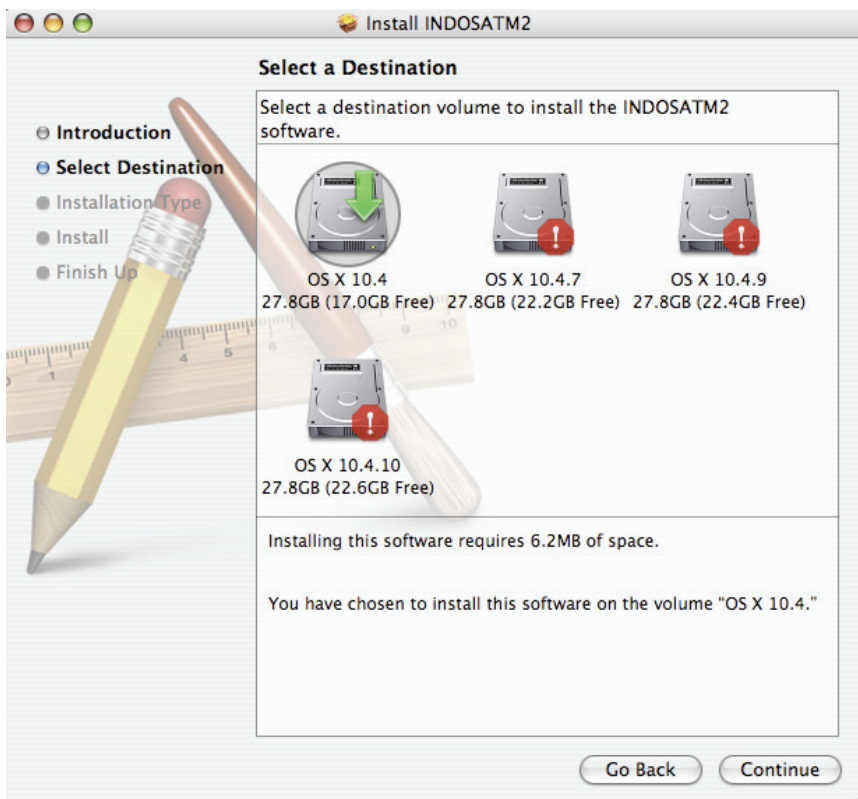
Insert the CD into your CD-ROM drive.

Download the installation software package, double click it, and then follow the steps to install.

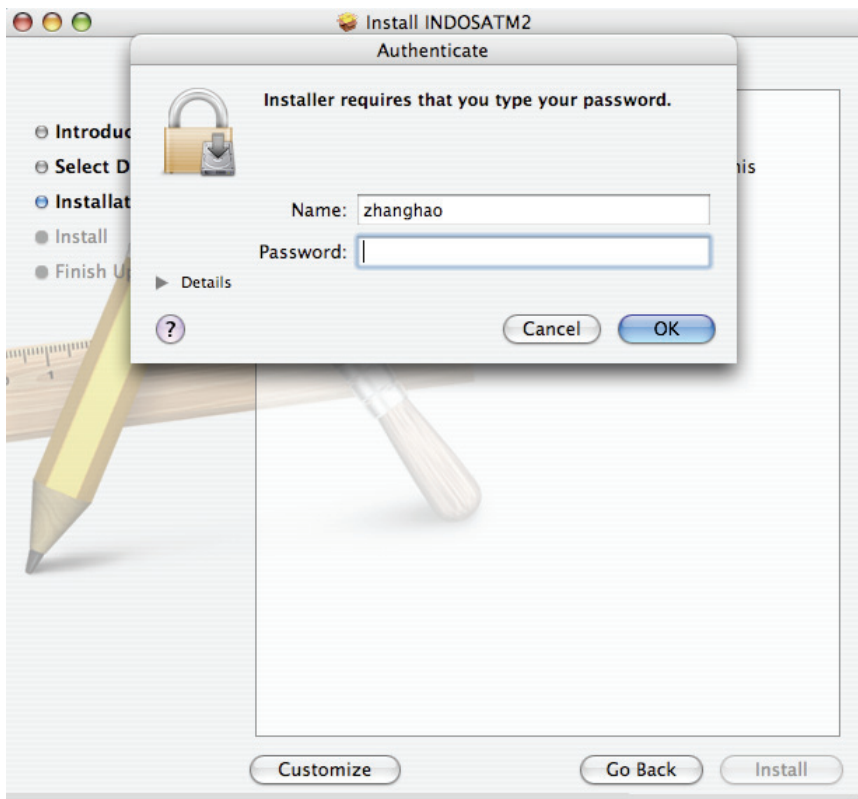
The following installation interface will show how to start installation.



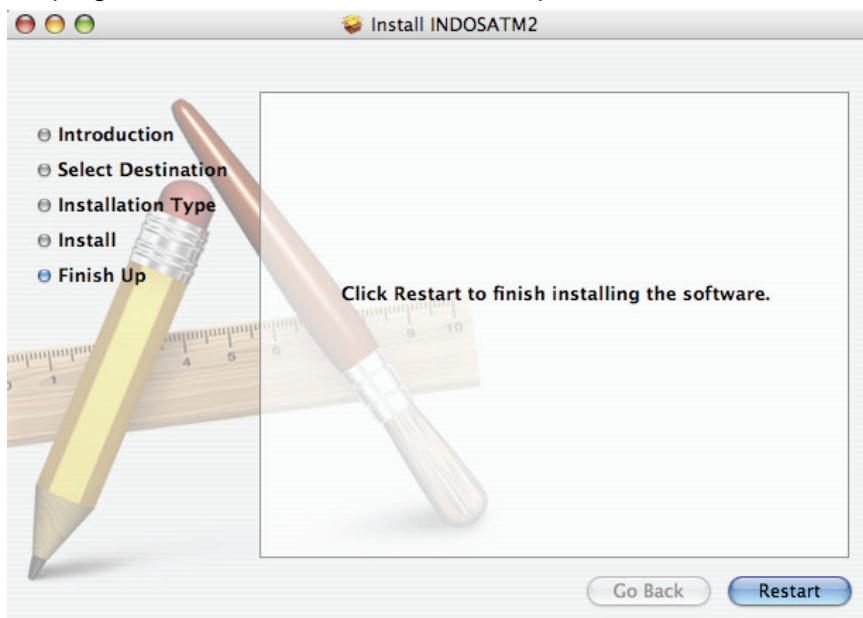
Click **“Continue”**. You will be guided through the steps necessary to install this software and click **“Continue”**.



Select a destination volume to install software on the volume “Macintosh HD”, and then click **“Continue”**.



Please enter user name and password to be authenticated, and left click “**OK**” to install. Installation is in progress, after a while, there will be a tip as follows:

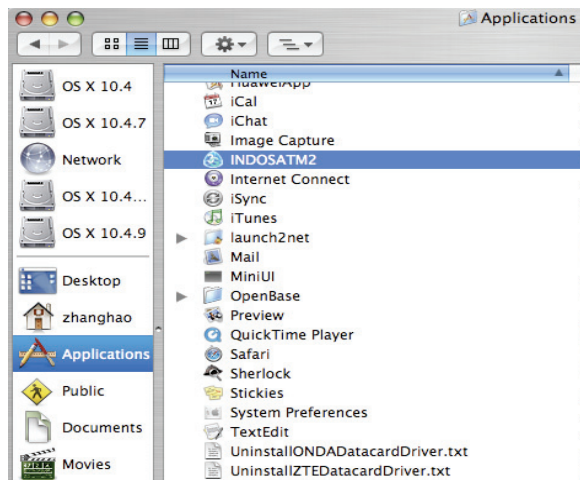


Left click “**Restart**” to restart computer and finish software installation.

Note: If you have problems with installation after the upper operation, please contact the service provider for help.

After the installation, select “**Finder**” → “**Applications**” and there will be a “**INDOSATM2**”

program listed in.



2.3 Running Application Software

After the modem connected normally, double click **Finder** → **Applications** → **INDOSATM2** on the notebook to run the application software.

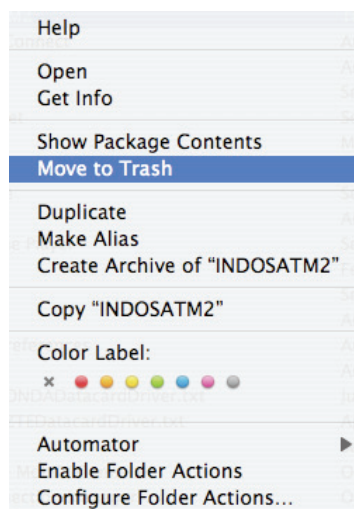
2.4 Pull out Modem Safely

Please quit the application software at first, and then pull out the modem USB cable finally.

2.5 Software Uninstallation

Close the application program before the software uninstalling.

Select **Finder** → **Applications** → **INDOSATM2** and select “**Move to Trash**” in right click menu of **INDOSATM2** on the notebook.



3 Functions & Operation

3.1 Interface Introduction

The diagrammatic drawing for the main interface of USB modem application software forms into three parts, related functions can be executed by operating in corresponding area.

1. Functional Button Area

There will be various functional button icons shown in this area. Select different function button and it will carry out corresponding operation.



Internet: Connect to the Internet.



Settings: Set normal relative information for the modem.



Record: View related information for your operation, such as, user name, start time, disconnect time, duration, data received and data sent.



Help: System information for Help.

2. System Information Area

Show the system status and different kinds of tip.



Letter “P” means supporting packet-switch (P) service, while letter “C” means supporting circuit switch (C) service.




Indicates insert status of the modem, “Green” it has been connected to the computer, and



“Red” indicates disconnected.



Indicates insert status of the SIM/USIM card to the mode. Green indicates the card has been inserted, and red  indicates the card has not been inserted.

3. User Area

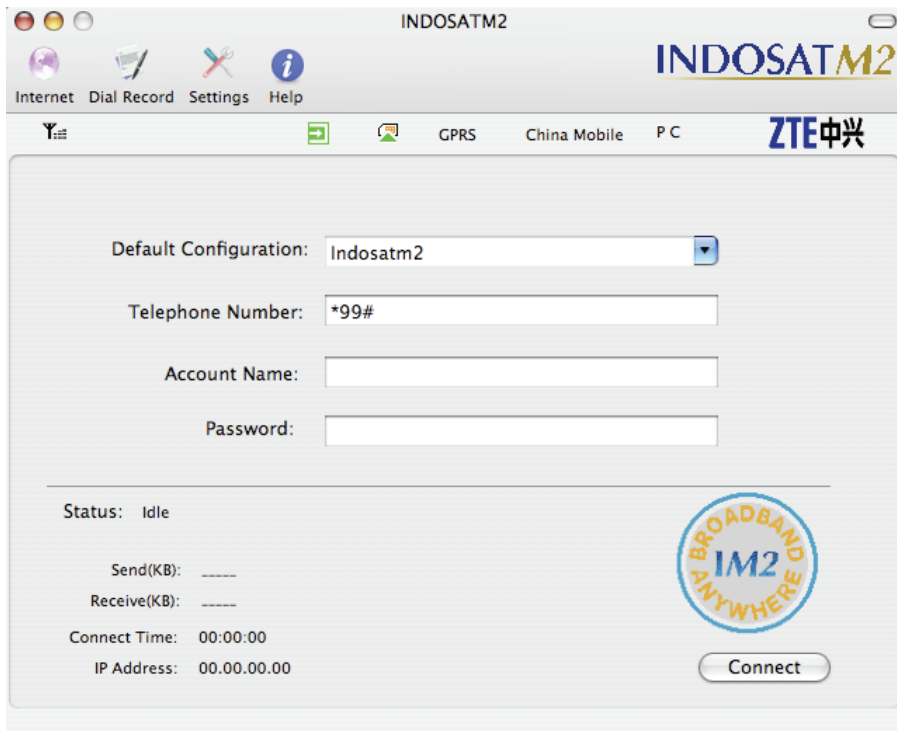
Show the interactive computer information under various conditions.

3.2 Connecting Internet

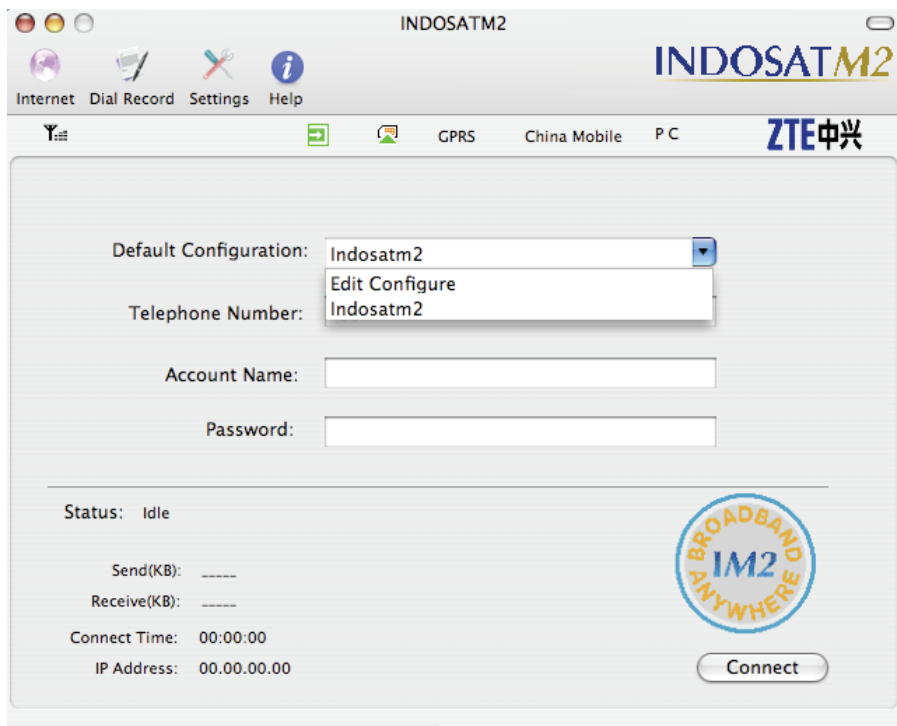
You can browse web pages after you have accessed to Internet with the help of modem.

1. Connect to the Internet

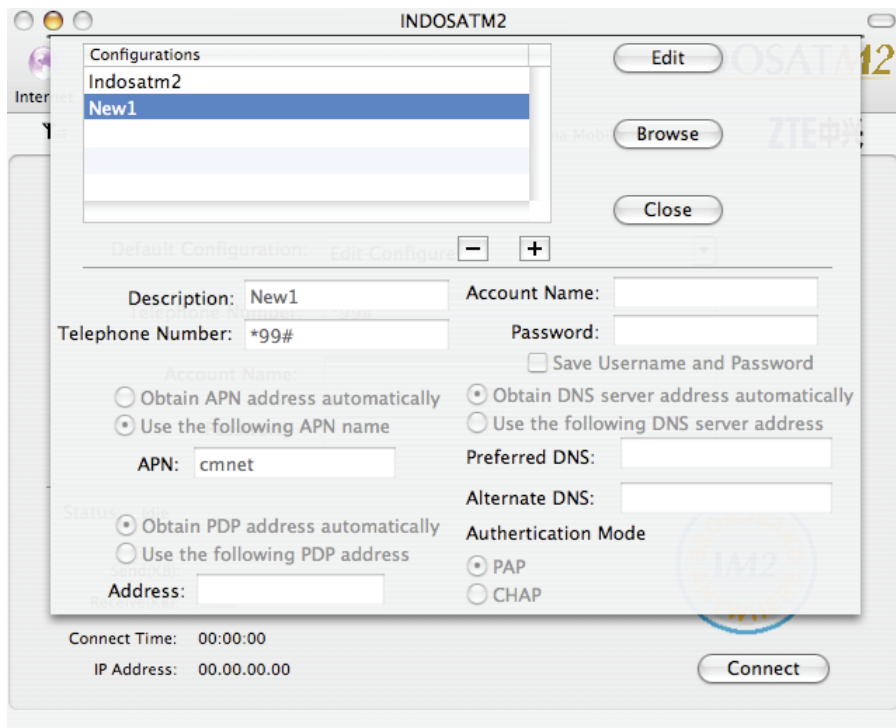
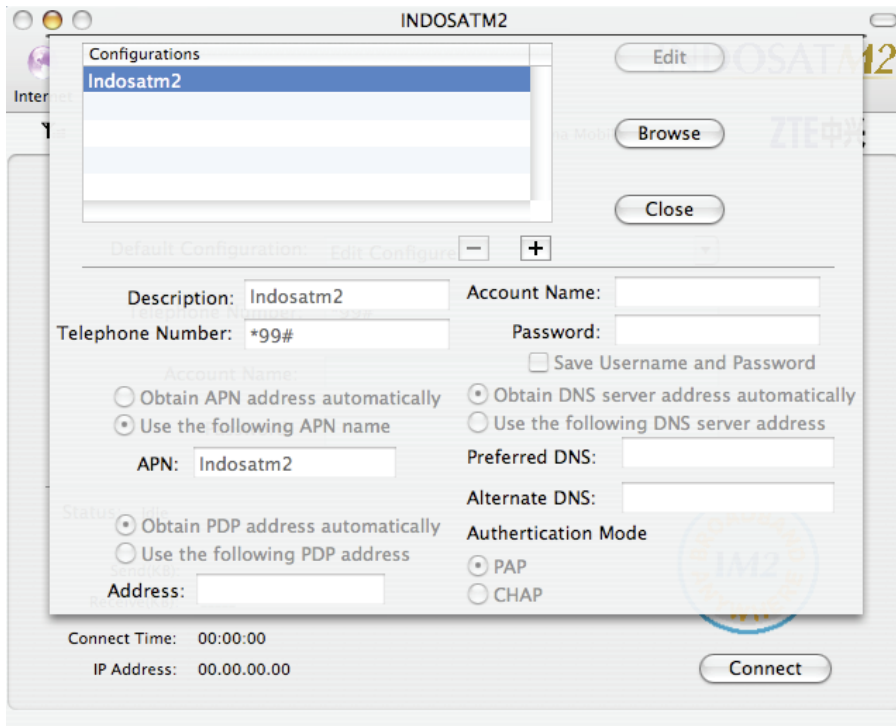
Click the **Internet** icon, pop-up window is as follows:



To ensure the modem connect Internet properly, you'd better configure user's network information at first. You can save different operator's network configurations in different files.



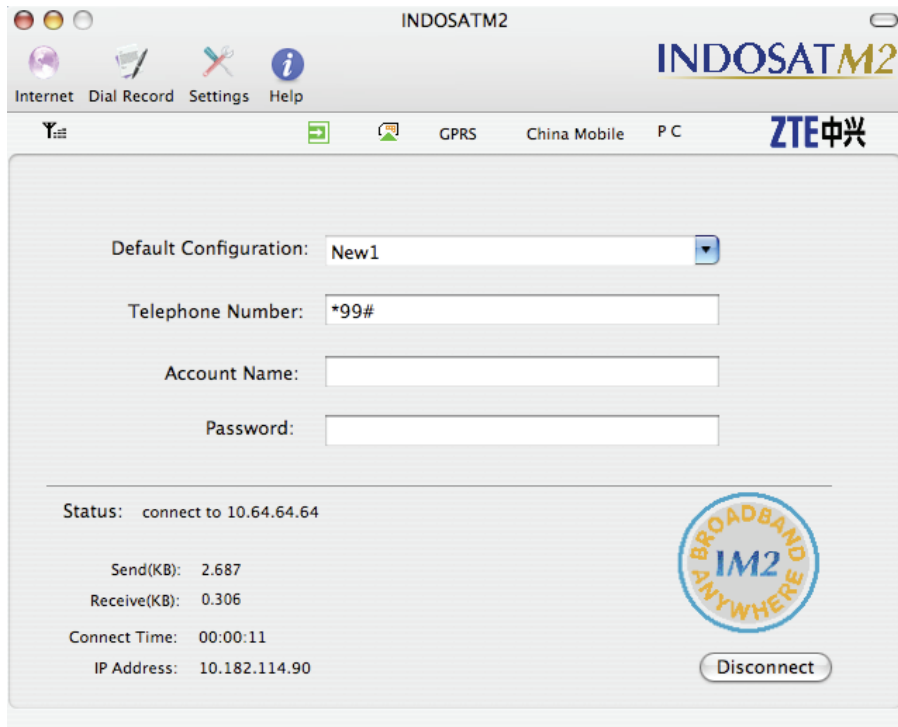
Press "+" or "-" to create or delete a configuration file and edit in details.



The user configuration information includes: Description (Config filename), Telephone Number, Account Name, Password, APN, DNS, and PDP address. If network support "Obtain server address automatically", the connection manager can obtain the assigned IP information automatically. If network do not support it, you should fill the proper address manually. Please consult the network supplier of SIM/USIM card for all above information. The user configuration

information may differ with the network supplier and network types.

And then click “**Connect**” to start connecting Internet.



When connected, and it will show all the information of data flow, connected time and so on.

During the course of connecting, you can “**Cancel**” the connecting. With connection in success, the button “**Connect**” becomes “**Disconnect**”.

Note: The modem has the function of locking the SIM/USIM card. If you use the SIM/USIM card provided by the other network service provider, maybe you can't connect to the network. If you have any problem, you can consult your network service provider for further information.

2. Disconnect the Internet

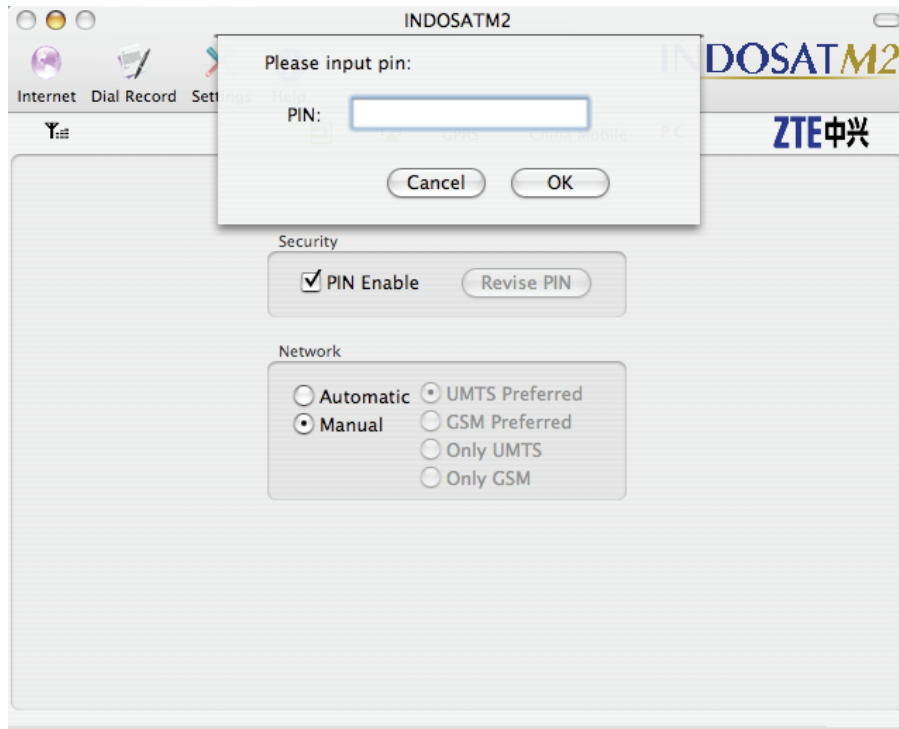
Click “**Disconnect**” button to disconnect Internet. With disconnection in success, the button “**Disconnect**” becomes “**Connect**”.

3. Internet Log

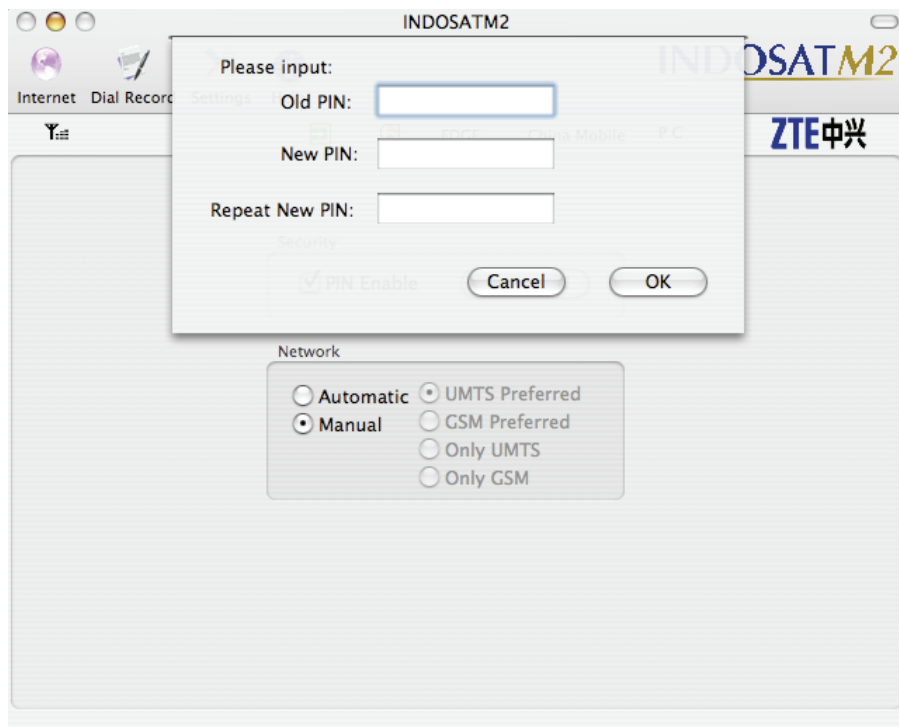
Click “**Dial Record**” icon, and switch to the Internet log interface. You can view related information for your operation, such as user name, start time, disconnect time, duration, data received and data sent.

3.3.1 Security Settings

Enable the PIN Code



When “**PIN Enable**” item is selected, you will be asked to enter PIN code to use the modem. You can click “**Revise PIN**” to modify the number.



Note: This function need network support.

3.3.2 Network Settings

Automatic: The system selects the network automatically according to user's configuration rules and network status.

Manual: User selects network in manual way.

Select network "**Automatic**", the system will find the network available automatically.

Select network "**Manual**". After a while, network operator list appears in which red ones are unavailable. Select the proper network to connect.

3.4 Help

Click "Help" icon on application interface to switch to help pop-up windows. Under "Help" subject, you can get the USB modem information on functions introduction, installation and usage guide, etc.

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
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.
	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 having good signal.
Date connection failed.	1. You are in the place where no GSM/ GPRS/ EDGE/ WCDMA/ HSDPA network covered, such as underground parking lot, tunnel etc.	1. Change to the place where having good signal.
	2. The network at this time in this place is busy now.	2. Try later.
	3. The APN in the user config files is error.	3. Check with the APN in the user config file in the "Internet--Edit Configure".
	4. The modem data is error.	4. It is perhaps the GPRS or WCDMA network problem and please contact with the local supplier timely.
	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 Default Configuration is correct or not.
	2. The IE browser got problems.	2. If the IE got problems, upgrade to the new version or reinstall the IE browser. It cannot open any website page.

Problem Description	Possible Causes	Problem Solving
	<p>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 download data flow so that you cannot open any website.)</p>	<p>3. Use the professional anti-virus software to check and kill the virus in the operating system completely.</p>
	<p>4. You have connected to other APNs, which cannot connect to the Internet.</p>	<p>4. Connect with the mobile communication company where The UMTS/GPRS USB modem is on sale.</p>
<p>The Modem cannot connect to the Internet in other places</p>	<p>Your USB modem is not permitted to roam between provinces (There is a small card which have no function for roaming between provinces because of BOSS system problems.)</p>	<p>Contact with the network supply provider that the SIM/USIM card is on sale.</p>