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 electromagnet 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 Sys	tem: 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	WCDMA Mode: 200mW, GSM/GPRS Mode: 2W		
Power			
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**".

00	🥪 Install INDOSATM2		
	Select a Destination		
Introduction	Select a destination volume to install the INDOSATM2 software.		
 Select Destination Installation Type Install 			
• Finish Up	OS X 10.4 OS X 10.4.7 OS X 10.4.9 27.8GB (17.0GB Free) 27.8GB (22.2GB Free) 27.8GB (22.4GB Free) OS X 10.4.10 27.8GB (22.6GB Free)		
	Installing this software requires 6.2MB of space. You have chosen to install this software on the volume "OS X 10.4."		
	Go Back Continue		

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

000		😺 Install INDOSATM2	
_		Authenticate	
⊖ Introduc ⊖ Select D		Installer requires that you type your password.	nis
		Name: zhanghao	
• Finish U	▶ Details	Password:	J
untonlandan	?	Cancel OK	
V			
		Customize Go Back	Install

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:

00	🥪 Install INDOSATM2
 Introduction Select Destination Installation Type Install Finish Up 	Click Restart to finish installing the software.
	Go Back Restart

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** \rightarrow **Applications** \rightarrow **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 \rightarrow Applications \rightarrow INDOSATM2 and select "Move to Trash" in right click menu of INDOSATM2 on the notebook.

Help	
Open Get Info	
 Show Package Contents	Ma
Move to Trash	
Duplicate Make Alias Create Archive of "INDOSATM2"	Sej Au Sej Fel
Copy "INDOSATM2"	
Color Label:	
Automator Enable Folder Actions	•
Configure Folder Actions	

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.

i

Help: System information for Help.

2. System Information Area

Show the system status and different kinds of tip.

- PC 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 $\boxed{\square}$ 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:

$\Theta \Theta \odot$	INDOSATM2	0
🛞 🌒 🗶 🕖		INDOSATM2
Internet Dial Record Settings Help		
¶.≓ ⊒	🔄 🧟 GPRS China Mobile	PC ZTE中兴
Default Confirmation		
Default Configuration:	Indosatm2	
Telephone Number:	*99#	
Account Name		
Account Name:		
Password:		
Status: Idle		PBQAO
Send(KB):		(a) IM2 (a)
Receive(KB):		TWHEF
Connect Time: 00:00:00		
IP Address: 00.00.00.00		Connect

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.

	INDOSATM2	\Box
🙆 🍠 🗶 🗿		INDOSATM2
Internet Dial Record Settings Help		
Ϋ́∷	🛛 🖾 GPRS China Mobile	PC ZTE中兴
Default Configuration:	Indosatm2	
	Edit Configure	
Telephone Number:	Indosatm2	
Account Name:		
Password:		
Status: Idle		OADSA
		S1112
Send(KB):		
Receive(KB):		WHE
Connect Time: 00:00:00		
IP Address: 00.00.00.00		Connect

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

Configurations		Edit
Indosatm2		
		Browse
		Close
Derault Coning	uration: Edit Configure	
Description:	Indosatm2	Account Name:
Telephone Number:	*99#	Password:
Account		Save Username and Password
Obtain APN	address automatically	Obtain DNS server address automatically Use the following DNS server address
Use the foll	lowing APN name	Preferred DNS:
APN: Indo	satm2	
Status	address automatically	Alternate DNS:
O Use the fol	lowing PDP address	Authertication Mode
Address:		O CHAP
Receive(RB).		
IP Address: 00.00	0.00.00	Connect
IP Address: 00.00	0.00.00 INDO	Connect SATM2
Configurations Indosatm2	0.00.00 INDO	Connect SATM2 Edit
Configurations Indosatm2 New1	0.00.00 INDO	Connect
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1	0.00.00 INDOS	Connect SATM2 Edit Browse
Configurations Indosatm2 New1	.00.00 INDO	Connect SATM2 Edit Browse
Configurations Indosatm2 New1	.00.00 INDO	Connect SATM2 Edit Browse Close
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Default Config	0.00.00 INDOS	Connect SATM2 Edit Browse Close
Configurations Indosatm2 New1 Default Config	NO0.00 INDOS	Connect SATM2 Edit Browse Close - + Account Name:
Configurations Indosatm2 New1 Default Config Description: Telephone Number:	.00.00 INDOS New1 *99#	Connect SATM2 Edit Browse Close - + Account Name: Password:
Configurations IP Address: 00.00 Configurations Indosatm2 New1 Description: Telephone Number:	0.00.00 INDOS New1 *99#	Close Close Close Close Close Close Save Username and Password
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Default Config Description: Telephone Number: Account O Obtain APN	New1 *99# Name address automatically	Close Close Account Name: Password: Save Username and Password Obtain DNS server address automatically
Configurations IP Address: 00.00 Configurations Indosatm2 New1 Default Config Description: Telephone Number: Obtain APN © Use the foll	New1 Population Popula	Connect SATM2 Edit Browse Close Close Account Name: Password: Save Username and Password Obtain DNS server address automatically Use the following DNS server address
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Description: Telephone Number: Obtain APN Obtain APN APN: cmn	New1 1 address automatically lowing APN name et	Connect SATM2 Edit Browse Close Close Account Name: Password: Save Username and Password Obtain DNS server address automatically Use the following DNS server address Preferred DNS:
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Default Config Description: Telephone Number: Obtain APN Obtain APN Ouse the foll	New1 *99# Address automatically lowing APN name et	Connect SATM2 Edit Browse Close Close Account Name: Password: Save Username and Password Obtain DNS server address automatically Use the following DNS server address Preferred DNS: Alternate DNS:
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Default Config Description: Telephone Number: Obtain APN Obtain APN Obtain PDP	Noo.oo INDOS New1 *99# Address automatically lowing APN name et	Connect SATM2 Edit Browse Close Close + Account Name: Password: Save Username and Password Obtain DNS server address automatically Obtain DNS server address automatically Obtain DNS server address Preferred DNS: Alternate DNS: Authertication Mode
Configurations IP Address: 00.00 Configurations Indosatm2 New1 Description: Telephone Number: Obtain APN Obtain APN Obtain PDP Obtain PDP Obtain PDP	New1 *99# Address automatically lowing APN name et address automatically lowing PDP address	Connect SATM2 Edit Browse Close Close Close Close Close Save Username and Password Save Username and Password Obtain DNS server address automatically Use the following DNS server address Preferred DNS: Alternate DNS: Authertication Mode PAP
Connect Time: 00:00 IP Address: 00:00 Configurations Indosatm2 New1 Description: Telephone Number: Obtain APN Obtain APN Obtain PDP Obtain PDP Obtain PDP Obtain PDP	New1 *99# Name I address automatically lowing APN name et P address automatically lowing PDP address	Connect SATM2 Edit Browse Close Close Close Close Close Save Username and Password Save Username and Password Obtain DNS server address automatically Use the following DNS server address Preferred DNS: Alternate DNS: Authertication Mode PAP CHAP

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.
--

$\Theta \Theta \odot$	INDOSATM2	
Internet Dial Record Settings Help		INDOSATM2
Y.:	🔄 🤦 GPRS China Mobile	PC ZTE中兴
Default Configuration:	New1	
Telephone Number:	*99#	
Account Name:		
Password:		
Status: connect to 10.64.64.64		O ADBy
Send(KB): 2.687		(#IM2)
Receive(KB): 0.306		TI WHERE
Connect Time: 00:00:11		
IP Address: 10.182.114.90		Disconnect

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.

0 0	INDOSATM2				
0 1	×	ð			INDOSATM2
Internet Dial Recor	rd Settings H	elp	GPRS	China Mobile	
ConnectName	StartingTime	DisconnectTime	Duration	Data Receive(KB)	Data Transport(KB)
*99#	Wednesday,	Wednesday, O	00:00:15	0.306	2.687
	1	1		I	
			Dal	ata)	(Coup Decord)
			Del	ete	Save Record

3.3 Settings

Click "**Settings**" icon to switch to the settings interface. It includes: security settings, network settings.

The interface shows as the following picture:

00)		I	NDOSATM2			0
() Internet	J Dial Record	Y Settings	<i>i</i> Help			IND	OSATM2
¶∷≡			D 🖉	GPRS	China Mobile	РC	ZTE中兴
			Security PIN Enable Network Automatic Manual	e Rev GSM Pr Only UI Only G	rise PIN Preferred eferred MTS SM		

3.3.1 Security Settings

Enable the PIN Code

$\bigcirc \bigcirc \bigcirc$	INDOSATM2	
1 1	Please input pin:	DOSATM2
Internet Dial Record Sett ¶:≝	PIN: Cancel OK	ZTE中兴
	Security	_
	Network	
	Automatic UMTS Preferred GSM Preferred Only UMTS Only UMTS Only GSM	

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.

000	INDOSATM2	
Internet Dial Record	Please input:	DSATM2
▼ ∷:	New PIN:	ZTE 中兴
	Repeat New PIN:	
	PIN Enable Cancel OK	
-	Network	_
	Automatic UMTS Preferred GSM Preferred Only UMTS Only GSM	

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	1. The position of the USB	1. Adjust the angle and
computer, there is no	modem inner antenna is unfitting.	position of the USB modem.
signal.	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	3. Check with the APN
	files is error.	in the user config file in the
		"InternetEdit 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	5. Select the correct
		the type of the SIM/USIM
		card.
Connected to the	1. After connection, there is no	1. Check that the APN
Internet, but it cannot open	data transfer, which resulted that you	in the Default Configuration
any website page.	can not open web pages.	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	
	3. The operating system is	3. Use the professional	
	infected by virus (Such as Worm.	anti-virus software to check	
	Blaster which can take up a quantity	and kill the virus in the	
	of upload data flow and result that it	operating system	
	can't receive download data flow so	completely.	
	that you cannot open any website.)		
	4. You have connected to other	4. Connect with the	
	APNs, which cannot connect to the	mobile communication	
	Internet.	company where The	
		UMTS/GPRS USB modem	
		is on sale.	
The Modem cannot	Your USB modem is not	Contact with the	
connect to the Internet in	permitted to roam between provinces	network supply provider that	
other places	(There is a small card which have no	the SIM/USIM card is on	
	function for roaming between	sale.	
	provinces because of BOSS system		
	problems.)		