ZTE CDMA 1X USB modem User Guide

(Version: V2.0-TY)

This user guide applies to the ZTE CDMA 1X USB modem of MG870.

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

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1. Introduction

ZTE CDMA 1X USB modem fits into a standard USB interface and can function as a wireless network card, a modem, and a mobile phone. This modem allows you to connect to the Internet, send and receive SMS 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, ZTE CDMA 1X USB modem can make the operation more flexible.

Transmit Frequency	824~849MHz
Receive Frequency	869~894MHz
Freq. Stability	FA±300Hz
Dimension	66*55*7.3 mm
Weight	95g
Data Transmission	MAX 153.6 kbps
Voltage	5V
Current	Dormancy: 90mA
	Normal: 250mA
	Maximum: 850mA
Transmitter Power	200mW

2. Specifications

3. Care for your USB modem

- > Protect the USB modem from liquids, dust, and excessive heat.
- Optimal signal strength is usually obtained when the antenna is perpendicular to the modem. The antenna should bend easily. Do not forcefully bend the antenna or plugs the antenna in and out ZTE CDMA 1X USB modem frequently. ZTE shall not be held responsible for the loss due to user's disoperation.
- Do not operate the ZTE CDMA 1X USB modem near any equipment which may be susceptible to electromagnetic interference.



4. Features



Your ZTE CDMA 1X USB modem may need R-UIM card. Contact your provider to get the information about if your ZTE CDMA 1X USB modem need or need not the R-UIM card. Please insert the R-UIM card to your ZTE CDMA 1X USB modem if it needs.

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





5. Setup and Uninstall

5.1 System Requirements

The ZTE CDMA 1X USB modem is supported on:

• Windows 2000

• Windows XP

To install the ZTE CDMA 1X USB modem, you will require these system resources at the minimum:

CPU	Pentium-II/233MHz
USB interface	1.0/1.1
Disk Drive	CD-ROM (for installation only)
Memory	64 MB
Disk Space	30 MB

5.2 Setup for Windows 2000

5.2.1 Setup

Note:

Don't insert the ZTE CDMA 1X USB modem before setup.

1. Please find "autosetup.exe" first in ZTE CDMA 1X USB modem CD, 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".

🕼 Setup - ZTE CDMA1X USB modem	
Select Destination Location Where should ZTE CDMA1X USB modem be installed?	
Setup will install ZTE CDMA1X USB modern into the following folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
D:\Program Files\ZTECDMA1XUSBModem Browse	
At least 4.7 MB of free disk space is required.	
< <u>B</u> ack <u>N</u> ext > Ca	incel



4. Select start menu folder, then click "Next".

🚰 Setup - ZTE CDMA1X USB modem	_ 🗆 🗵
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start Menu folde	er.
To continue, click Next. If you would like to select a different folder, click Browse.	
ZTE CDMA1X USB modem Browse	ə
< <u>B</u> ack <u>N</u> ext >	Cancel

5. When you see this window, please click "Install".

🚰 Setup - ZTE CDMA1X USB modem	
Ready to Install Setup is now ready to begin installing ZTE CDMA1X USB modem on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	r
Destination location: D:\Program Files\ZTECDMA1XUSBModem	<u> </u>
Start Menu folder: ZTE CDMA1X USB modem	
	T
र	
< <u>B</u> ack	Cancel



6. Please wait.

i 🖥 Setup) - ZTE CDMA1X USB modem	
Inst a Pl	Illing ease wait while Setup installs ZTE CDMA1X USB modem on your computer.	
Fi	nishing installation	
	[Cancel

7. Please insert the ZTE CDMA 1X USB modem. (If your USB modem is in the USB interface, please insert it again)

😽 Setup - ZTE CDMA1X USB modem	<u> </u>
Installing Please wait while Setup installs ZTE CDMA1X USB modem on your computer.	
Finishing installation	
Please insert CDMA 1X device again.	
	Cancel

8. Please wait for updating the driver. When driver installed successfully. Click "OK".





9. Click "Finish" to close the last screen of the wizard.



10. Restart your computer.

SetupPro	duct 🔀
٩	Please restart your computer.
	OK

5.2.2 Uninstall

1. Select Start Programs \rightarrow ZTE CDMA1X USB modem \rightarrow Uninstall ZTE USB modem. You will be asked if uninstall the modem. Click "Yes".

ZTE CDMA1X USB modem Uninstall	
?	Are you sure you want to completely remove ZTE CDMA1X USB modem and all of its components?
	<u>Y</u> es

2. Please wait.





3. Click "OK" when you are notified that uninstall is complete.

ZTE CDMA1X USB modem Uninstall	
(i)	ZTE CDMA1X USB modem uninstall complete.
	Some elements could not be removed. These can be removed manually.
	ОК

5.3 Setup for Windows XP

5.3.1 Setup

Note: Don't insert the ZTE CDMA 1X USB modem before setup. ZTE中兴

1. Please find "autosetup.exe" first in ZTE CDMA 1X USB modem CD, 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".



🕞 Setup - ZTE CDMA1X USB modem
Select Destination Location Where should ZTE CDMA1X USB modem be installed?
Setup will install ZTE CDMA1X USB modem into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
E:\Program Files\ZTECDMA1XUSBModem Browse
At least 4.7 MB of free disk space is required.
< <u>B</u> ack <u>N</u> ext > Cancel

4. Select start menu folder, then click "Next".

🕼 Setup - ZTE CDMA1X USB modem	_ 🗆 🛛
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start Menu folde	er.
To continue, click Next. If you would like to select a different folder, click Browse.	
ZTE CDMA1X USB modem Browse	e
< <u>B</u> ack <u>N</u> ext>	Cancel



5. When you see this window, please click "Install".



6. Please wait.

JStup - ZTE CDMA1X USB modem	
Installing Please wait while Setup installs ZTE CDMA1X USB modem on your computer.	
Finishing installation	
	Cancel

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7. Please insert the ZTE CDMA 1X USB modem. (If your USB modem is in the USB interface, please insert it again)



8. Click "Finish".to continue.



9. Driver installation success, click "OK".to continue.





10. Click "Finish" to close the last screen of the wizard.

🕼 Setup - ZTE CDMA1X USB modem			
	Completing the ZTE CDMA1X USB modem Setup Wizard Setup has finished installing ZTE CDMA1X USB modem on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.		
	<u> </u>		

11.Please restart your computer.

System	Settings Change
?	Windows has finished installing new devices. The software that supports your device requires that you restart your computer.You must restart your computer before the new settings will take effect.
	Do you want to restart your computer now?
	Yes <u>N</u> o

5.3.2 Uninstall

1. Select Start \rightarrow Programs \rightarrow ZTE CDMA1X USB modem \rightarrow Uninstall ZTE USB modem. You will be asked if uninstall the modem. Click "Yes".

ZTE CDM	A1X USB modem Uninstall
2	Are you sure you want to completely remove ZTE CDMA1X USB modem and all of its components?
	Yes No

2. Please wait.

E CDMA1X USB modern Uninstall	ł
Uninstall Status Please wait while ZTE CDMA1X USB modem is removed from your computer.	1
Uninstalling ZTE CDMA1X USB modem	
	Cancel

3. Click "OK" when uninstall is complete.

ZTE CDMA1X USB modem Uninstall			
(f)	ZTE CDMA1X USB modem uninstall complete.		
\checkmark	Some elements could not be removed. These can be removed manually.		
	ОК		



6. The Main Window and Icons

You can launch the program by:



- Double click
 Double click
 Te Use modem
 the icon of application for ZTE CDMA 1X card in the desktop.
- Or selecting Start -> Programs -> ZTE CDMA1X USB modem -> ZTE USB modem.

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
P	Voice call
12	Call history
	Write SMS
	Read SMS
2	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 USB modem, the corresponding icons will not appear in the main window. Please contact your provider or agent.



7. Connect/Disconnect

🚮 ZTE USB modem	\ominus \otimes
Connect Disconnect Disconnect	ory Write SMS Read SMS Phonebook Settings Help
T.al 6/24/2005 9:54 AM	
ZTE	
Offline	ZTE中兴
Connections records is not official data.Only for reference.	Connect
CDMA 1X	

Connect to network:

- 1. Click "connect/disconnect" icon in main window.
- 2. Click "connect" button.

Disconnect:

1. Click "disconnect" button.



8. Connection Record

ory V	Vrite SMS Read	2 SMS Phonebool	k Settings	? Help
	Connection record	•		
	Date	Time	Period	Bj
	<		Delete Dele	> ete All
	٥	Date 6/24/2005	6/24/2005 9:58:33 AM	Date Time Period 6/24/2005 9:58:33 AM 00:00:21

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.

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9. Voice call

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

🔂 ZTE USB modem			e	8
Connect Disconnect Disconnect	ry Write SMS Read SMS	Phonebook	Rettings	(?) Help
T.al 6/24/2005 10:00 AM 1001	✓ 1 4 7 ★1+ P Volumn: Low	С 2 5 8 0 т		ligh

Note:

- 1. Please confirm your earphone is connected with the ZTE CDMA1X USB modem when you want to make a voice call.
- 2. You can activate or deactivate the supplement services (call forward, call waiting etc.) by dialing the feature code. Please contact service provider for more detail.

The dialing pad for the USB modem 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. Plug the earphone in the ZTE CDMA 1X USB modem if it is not plugged in the USB modem.
- 2. Click "voice call" icon;
- 3. Enter 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

Answer a call:

- 1. Connect an earphone to the USB modem, if one is not already connected.
- 2. Click button
- 3. Click button or press "ESC " key to end the call.



10.Call History

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

🔂 ZTE USB modem			⊖ ⊗
Connect Disconnect Disconnect	y Write SMS F	Read SMS Phonebook	Settings Help
T.al 6/24/2005 10:02 AM	Dialled calls		
1001	Name	Number	Date/Time
Call SMS Save	,	D	elete Delete All
CDMA 1X			

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.

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11. Send Short Messages

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

🔂 ZTE USB mo	dem					Ξ	۲
Connection Disconnect	Voice Call	Call History	Write SMS	Read SMS	Phonebook	Settings	? Help
Content	3 <mark>/24/2005 10:0</mark> : 0/160	3 AM	Recipient Select New Edit Delete Delete All	Priorty No.		alid 1 da	
CDMA 1X		-					

To send SMS message:

- 1. Click "Write SMS" icon in the window.
- 2. Input the message in the screen that is on the left screen of the window.
- 3. Click "NEW" button to enter the recipients for the message by typing the phone numbers. Or click "Select" button to enter recipients for the message by selecting from the phone book.
- 4. You can enter multiple recipients.
- 5. You can select "priority" and "valid period".
- 6. Click "Send" button to send the message.

Note:

The successful sent message will be stored in outbox.

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12.Read Short Messages

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

🔂 ZTE USB modem			(• •
Connect/ Disconnect/ Disconnect/	ry Write SMS	Read SMS Phonel	book Settings	e elp
Tail 6/24/2005 10:04 AM	In Box	CDMA 1X C	•	0/0/30
From: Date: Content	Name	From	Date	
Call Reply forward Save	Copy all	Сору	Delete	Delete All
CDMA 1X				

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

To read SMS messages:

- 1. Click "read SMS" icon in the window.
- 2. Select the Inbox or Outbox in the drop-down menu.
- 3. Click the message you want to read in the messages list that is in the right screen of the window.
- 4. You can view the content of the message in the left screen of the window.

13. Phone Book

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

ZTE LISB mode Phonebook	سر		-	
PC 💌			Call	SMS
Name	Mobile	Home	Office	Ema
<				>
New E	dit Delete De	lete All Copy	Copy all	Close
CDMA IX		1		

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

To open the Phone Book:

1. Click "phonebook" icon in the window. Then you'll see the Phone Book window which lists the Phone Book entries.

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" 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.

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.

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

🚮 ZTE USB m	odem	Θ
	Settings	
Connect/ Disconnect/ Connec	Connect Network Dialing option Lock device Select Ring	ttings Help
T.ul	User: Card	0/0/30
From:	password:	Content
Date: Content	Number: #777	
	DNS server	
	Primary DNS: 0 . 0 . 0 . 0	
	Secondary 0.0.0.0	
	Connect network when startup	
Call Re	Auto reconnect	Delete All
	Reset OK Cancel Apply	
CDMA 1X		

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

15. Trouble Shooting

Symptoms	Possible causes	Suggestions		
	The ZTE CDMA 1X USB	Close the application and Re-insert the ZTE		
	modem is not in the USB	CDMA 1X USB modem, then run the		
The window displays	interface.	application again.		
the message: "Can not	Other application is using	Close other applications. Then run the ZT		
open the com port."	the ZTE CDMA 1X USB	CDMA 1X USB modem application.		
	modem. Such as "Hyper			
	terminal".			
The window displays	The R-UIM card is not	Insert the R-UIM card in the ZTE CDMA 1X		
the message: "Can not	inserted in the ZTE CDMA	USB modem.		
found the R-UIM card.	1X USB modem.			
Please check whether	The R-UIM card is inserted	Insert the R-UIM card according to chapter 4.		
the R-UIM card is	on the wrong side.			
touched well."				
(only for those who	The R-UIM card error	Change R-UIM card.		
need R-UIM card)				
	Antenna is not plugged in	Plug the antenna in the ZTE CDMA 1X USB		
	the ZTE CDMA 1X USB	modem		
No signal indicated	modem			
	Out of the network service	Confirm it is in the CDMA network service		
	area	area.		
	Poor network signal	Reorientate your antenna		
		Correct the settings. You can get the		
When attempting a		information from your service provider.		
dial-up data	User name or password is	e.g. In China Unicom, they are:		
connection window	wrong	User: card		
connection, window	wrong.	User. Card		
connection, window displays the	wrong.	Password: card		
	wrong.			
displays the	Your account does not	Password: card		
displays the message, " An		Password: card Number: #777		
displays the message, "An authentication event	Your account does not	Password: card Number: #777 Put money into your account or Contact your		

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

- Download the latest ZTE CDMA 1X USB modem program at http://www.zteit.com and reinstall it.
- Call 800-830-8218 or feed back your information directly by sending emails to zte_mobile@zte.com.cn for customer service. We will reply to you as fast as possible and provide you with good after-sales services.