K4305-Z
USB Modem
User Manual

LEGAL INFORMATION

Chapter 1

Quick Guide

Introduction

The ZTE USB modem is a multi-mode USB modem, working in HSPA+/HSUPA/HSDPA/ WCDMA/EDGE/GPRS/GSM networks. With USB interface connecting to a laptop or a desktop PC, it integrates the functionality of a modem and a mobile phone (SMS), and combines mobile communication with Internet perfectly. It supports data and SMS services through the mobile phone network, enabling you to communicate anytime and anywhere.

Specification

The following table shows the specification of your device.

Interface Type	USB 2.0 HIGH SPEED
Operating Frequency Range	GSM850: UL824~849,DL869~894 GSM900: UL880~915,DL925~960 GSM1800: UL1710~1785,DL1805~1880 GSM1900: UL1850~1910,DL1930~1990 W900: UL880~915,DL925~960 W2100: UL1920~1980,DL2110~2170
Systems supported	Supports most types of laptop and desktop PC.
Operating systems supported	Windows XP(SP2 and later), Vista(32bit and 64 bits), Windows 7 MAC 10.4 later
Functions	SMS service, Data service, Applications management, support microSD card, etc.
Network Standards	HSPA+/HSUPA/HSDPA/WCDMA/EDGE/GPRS/GSM
Transmission speed (Max)	HSUPA: 5.76Mbps UL HSDPA: 14.4Mbps DL
Temperature	Storage: -40℃ ~ +80℃
	Operation:-10℃ ~ +55℃
Dimension	74mm*26mm*12mm
Weight	About 26g
microSD capability	Support up to 32GB microSD card

 Notes:

microSD is a trademark of SD Card Association.

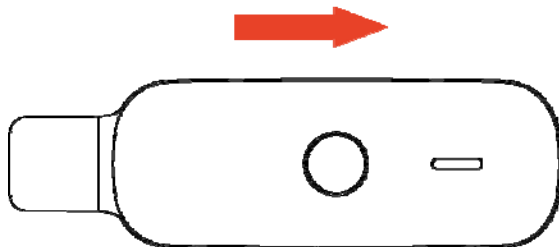### *Getting to know your device*

The following figure shows the appearance of the device. It is only for your reference. The actual product may be different.
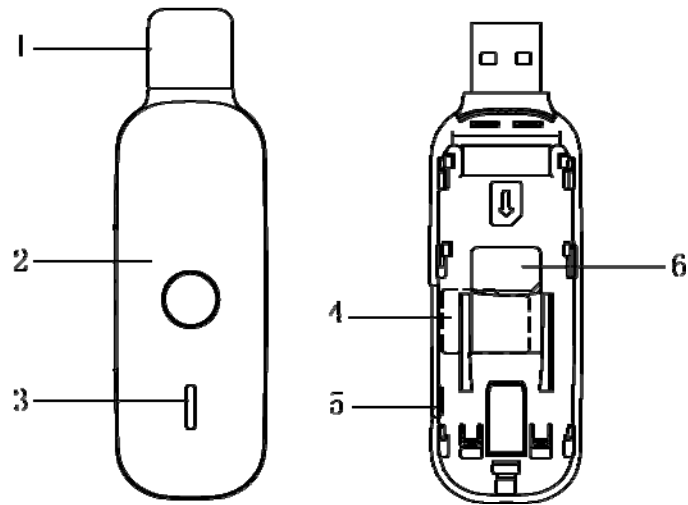
1. Modem Cap

2. Front Cover

3. Indicator

4. microSD card slot

5. External antenna port

6. SIM/USIM card slot

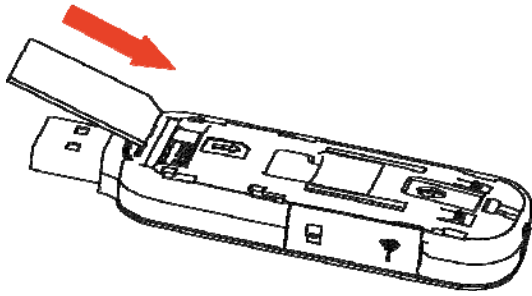## *Hardware Installation*

1. Slide the front cover and remove it.

 Notes:

Do not open the front cover rudely so as to avoid the damage of the front cover.

2. Insert the SIM/USIM card into the SIM/USIM card slot.

Insert the SIM/USIM card with the metal contact area facing downwards into the slot, shown as the following picture.

3. Put the front cover of the modem flatly upon the body of modem. Direct the front cover towards the locking catches on the sides of the modem, and then push the front cover of the modem to lock the front cover into its place.
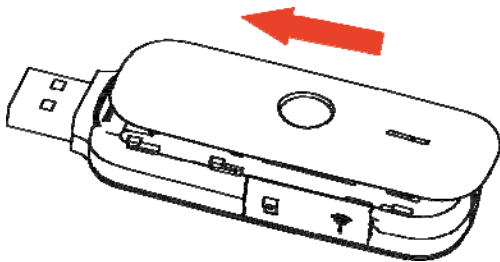
4. Insert the microSD card into the USB modem if you want to use the microSD card.

   i. Open the cover of the microSD card slot.

   > 📝 Notes:

   > Do not pull the cover rudely for it is connected with the modem.
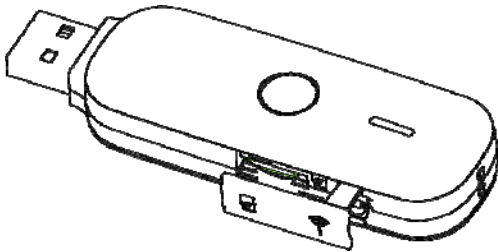
   ii. Insert your microSD card into the microSD card slot, shown as the following picture.
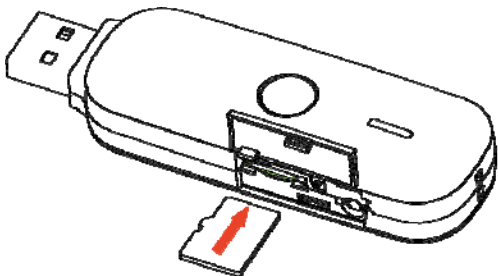
   iii. Close the cover of microSD card slot and then you can use the microSD card freely.

5. Connect the Modem to your laptop or desktop PC.

   Plug the USB connector into your computer's USB port and make sure that it is tightly inserted.

   The OS automatically detects and recognizes new hardware and starts the installation wizard.

Software Installation Guide

On different operating systems, the installation procedures may be difference. Follow the system prompts during operation.

For Windows OS

Your system will start the software setup process automatically when you connect the modem to your computer correctly. Follow the system prompts to complete the software installation.

Notes:

If the system does not launch installation automatically, you can run the installation program in path of **My Computer > X:\Windows**\AutoRun.exe

For Mac OS

The system will automatically display a CD-ROM icon on the desktop, when you connect the modem to your computer correctly. Double click the installation software package in the CD-ROM, and follow the system prompts to complete the software installation.

Safe removal from your system

Please close the application software, and then you can pull out the USB Modem safely.

How to use your modem

Various icons are presented to enable quick operation of the following functions:

Status	In this view you can open and monitor connections, and various indicators show the status of these connections.
Prioritize	This view shows all possible connection types in two Location lists of connection modules, which are prioritised from the top downwards.
Usage	This view displays how much data you have sent or received over the current or most recent connection, or how long it has been or was open.
Devices	This view lists your Mobile and WLAN devices.
Shortcut	In this view you can add additional icons for your own applications to the Vodafone Mobile Broadband application's Shortcuts bar. Some permanent application modules may already be present in the list, eg. SMS*, VPN* and WLAN*.
Help	Show the help information.

Warning and Notice

FCC Compliance

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.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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.

The dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

PA parameter		SPEC		
		Min	Type	Max
GSM 850	Power supply voltage (V)	3.2	3.4	4.2
	Power supply current (mA)	200	220	240
GSM 900	Power supply voltage (V)	3.2	3.4	4.2
	Power supply current (mA)	21.	225	250

Health and safety information

Radio Frequency (RF) Energy

This device meets the government's requirements for exposure to radio waves. This device 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 device 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 device 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 device while operating can be well below the maximum value. This is because the device 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. SAR compliance has been established in the host product(s) (laptop computers), tested at 5mm separation distance to the human body, and tested with USB

slot configurations including Horizontal-UP, Horizontal-Down, Vertical-Front, Vertical-Back. This device can be used in host product(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. The highest SAR value, tested per FCC RF exposure guidelines for USB dongle, as described in this user guide, is 1.160 W/kg. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: Q78-K4305-Z

To the owner

• Some electronic devices are susceptible to electromagnetic interference sent by modem if inadequately shielded, such as the electronic system of vehicles. Please consult the manufacturer of the device before using the modem if necessary.

• Operating of laptop and desktop PCs and the 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. Turn off your modem if required.

• The use of electronic transmitting devices is forbidden in aircrafts, at petrol stations and in hospitals. Please observe and obey all warning signs and switch off your modem in these conditions.

• Do not 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.

• Do not touch the metallic parts of the modem so as to avoid a burn, when the modem is working.

Using your USB 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 or inside metallic structures or establishments that can emit electromagnetic waves. Otherwise it may influence signal reception.

• The modem is not waterproof. Please keep it dry and store in a shady and cool place.

• Do not 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.

• Handle the modem carefully. Do not drop, bend or strike it. Otherwise the modem will be damaged.

• No dismantling by non-professionals and only qualified technicians can undertake repair work.

• Operating temperature range of -10℃ ~ +55℃ and humidity range of 5% ~ 95% are recommended.

Limited Warranty

• This warranty does not apply to defects or errors in the Product caused by:

　i. Reasonable abrasion.

　ii. End User's failure to follow ZTE's installation, operation or maintenance instructions or procedures.

　iii. End User's mishandling, misuse, negligence, or improper installation, disassembly, storage, servicing or operation of the Product.

　iv. Modifications or repairs not made by ZTE or a ZTE-certified individual.

　v. Power failures, surges, fire, flood, accidents, actions of third parties or other events outside ZTE's

reasonable control.

vi. Usage of third-party products, or usage in conjunction with third-party products provided that such defects are due to the combined usage.

vii. Any other cause beyond the range of normal usage intended for the Product.

End User shall have no right to reject or return the Product, or receive a refund for the Product from ZTE under the above-mentioned situations.

• This warranty is End User's sole remedy and ZTE's sole liability for defective or nonconforming items, and is in lieu of all other warranties, expressed, implied or statutory, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, unless otherwise required under the mandatory provisions of the law.

Limitation of Liability

ZTE shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or in connection with using of this product, whether or not ZTE had been advised, knew or should have known of the possibility of such damages, including, but not limited to lost profits, interruption of business, cost of capital, cost of substitute facilities or product, or any downtime cost.

How to get help

You can get Help by:

• Clicking **Help** on the software.

• Sending E-mail to **mobile@zte.com.cn**

• Visiting **http://www.zte.com.cn**

• Calling Service Hotline: **+86–755–26779999**