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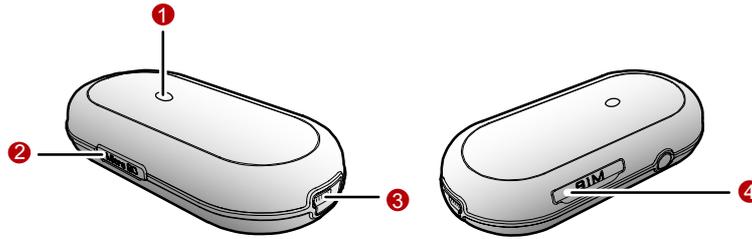
Thank you for purchasing Huawei E230 HSPA USB Modem.

Note:

- This manual briefly the preparation, the process for installing/uninstalling, and safety precautions for using Huawei E230 HSPA USB Modem (hereinafter referred to as the E230).
- You are recommended to read the manual before using the E230.
- The signal strength and the transmission rate are affected by the actual environment. The electromagnetic wave emitted from the PC may interfere with wireless signals. When the signal is weak or the transmission rate is low, you are recommended to use the long USB cable provided with the E230 and change the position of the E230 for receiving strong signals.

Getting to Know the E230

The following figures show the appearance of the E230. The actual product may differ.



❶ Indicator

Indicates the status of the E230.

- Green, blinking twice every 3s: The E230 is powered on.
- Green, blinking once every 3s: The E230 is registered to the GSM/GPRS/EDGE network.
- Blue, blinking once every 3s: The E230 is registered to the WCDMA/HSDPA/HSUPA network.
- Green, always on: The GPRS/EDGE connection is set up.
- Blue, always on: The WCDMA connection is set up.
- Cyan, always on: The HSDPA/HSUPA connection is set up.
- Off: The E230 is removed from the PC.

❷ Micro SD card slot

Holds the micro SD card.

❸ Mini-USB interface

You can connect the mini-USB connector of the data cable to the mini-USB interface.

❹ USIM/SIM card slot

Holds the USIM/SIM card.

Requirements for the PC

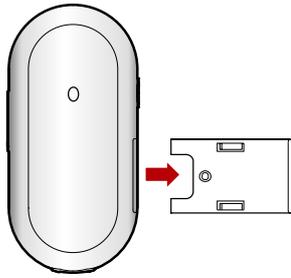
To use the E230, the PC must meet the following requirements:

- Standard USB interface
- Windows 2000 SP4, Windows XP SP2, Windows Vista.
- The hardware of your PC must meet or exceed the recommended system requirements for the installed version of OS.
- Display resolution: 800 × 600 or above.

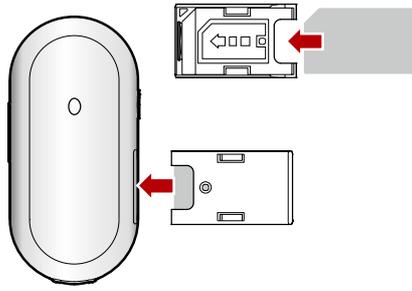
Preparing the E230

Installing the USIM/SIM Card

1. Take out of the USIM/SIM card slot from the E230.

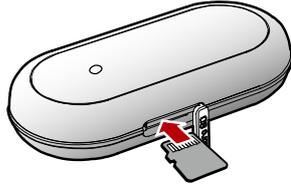


2. Insert the USIM/SIM card into the card slot. Make sure that the USIM/SIM card is properly inserted.
3. Insert the card slot into the E230.



Inserting the Micro SD Card

Insert the micro SD card into the E230, as shown in the following figure.

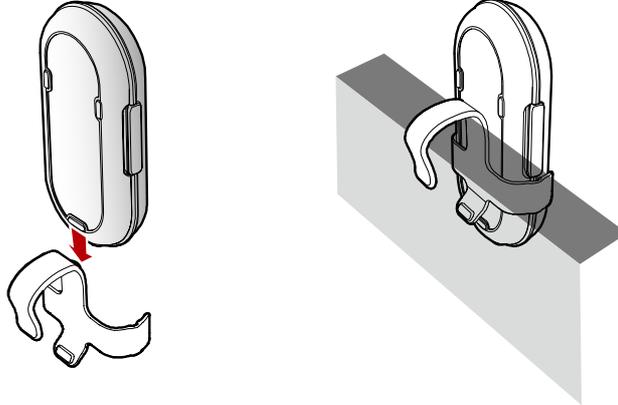


Note:

- Micro SD card is an optional accessory. If the micro SD card is not provided in the package, you can buy one yourself.
- Do not remove the micro SD card when it is being used. Removing the card during an operation may damage the micro SD card as well as the device, and data stored on the card may be corrupted.

Using the Clip

A clip is provided in the package of the E230. When you connect the E230 to a laptop, you can fix the E230 to the clip, and hang the clip on the laptop.



Installation Guide

The procedure for installing the management program depends on the operating system installed on your PC. The following section takes Windows XP as an example.

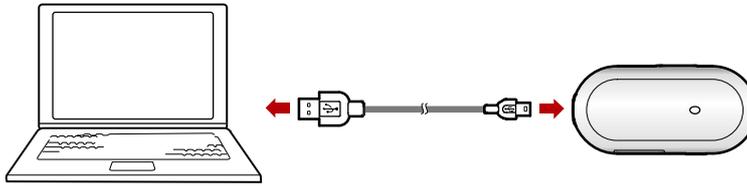
Connecting the E230 with a PC

Note: Power on your PC before connecting the E230 with the PC. Otherwise, the normal installation of the E230 may be affected.

The following figure is a sketch of the data cable.



1. Connect the Mini-USB connector to the E230.
2. Connect the USB connector to the USB interface of the PC.



Installing the E230 Management Program

1. Connect the E230 and the PC with the USB cable.
2. The OS automatically detects and recognizes new hardware and starts the installation wizard.

Note: If the auto-run program does not respond, find the **AutoRun.exe** file in the driver path. Then double-click **AutoRun.exe** to run the program.

3. Follow the prompts of the installation wizard.
4. After the program is installed, the shortcut icon of the management program is displayed on the desktop.

Launching the Management Program

After the E230 is installed, the management program is launched automatically. Then every time the E230 is connected to the PC, the management program is launched automatically.

You can also double-click the shortcut icon on the desktop to launch the management program.

Uninstalling the Management Program

1. Choose **Start > Control Panel**.
2. Find the management program, and click **Add/Remove Program** to uninstall the management program.

Note: It is recommended to restart the PC after the uninstallation to ensure that the management program is completely uninstalled.

Removing the E230

1. Double-click  in the system tray. The **Unplug or Eject Hardware** interface is displayed.
2. Select the hardware related to the E230 and click **Stop**.
3. When the prompt "It is safe to remove the device" is displayed, remove the E230.

Note: Before removing the E230, exit the management program.

Safety Information

Read the safety information carefully to ensure the correct and safe use of your wireless device.

Interference

Do not use your wireless device if using the device is prohibited or when it causes danger or interference with electric devices.

Medical Device

- Do not use your wireless device and follow the rules and regulations set forth by the hospitals and health care facilities.
- Some wireless devices may affect the performance of the hearing aids. For any such problems, consult your service provider.
- If you are using an electronic medical device, consult the doctor or device manufacturer to confirm whether the radio wave affects the operation of this device.

Area with Inflammables and Explosives

To prevent explosions and fires in areas that are stored with inflammable and explosive devices, do not use your wireless device and observe the rules. Areas stored with inflammables and explosives include but are not limited to the following:

- Gas station
- Fuel depot (such as the bunk below the deck of a ship)
- Container/Vehicle for storing or transporting fuels or chemical products
- Area where the air contains chemical substances and particles (such as granule, dust, or

metal powder)

- Area indicated with the "Explosives" sign
- Area indicated with the "Power off bi-direction wireless equipment" sign
- Area where you are generally suggested to stop the engine of a vehicle

Traffic Security

- Observe local laws and regulations while using the wireless device. To prevent accidents, do not use your wireless device while driving.
- RF signals may affect electronic systems of motor vehicles. For more information, consult the vehicle manufacturer.
- In a motor vehicle, do not place the wireless device over the air bag or in the air bag deployment area. Otherwise, the wireless device may hurt you owing to the strong force when the air bag inflates.
- Observe the rules and regulations of airline companies. When boarding, switch off your wireless device. Otherwise, the radio signal of the wireless device may interfere with the plane control signals.

Safety of Children

Do not allow children to use the wireless device without guidance. Small and sharp components of the wireless device may cause danger to children or cause suffocation if children swallow the components.

Environment Protection

Observe the local regulations regarding the disposal of your packaging materials, used wireless device and accessories, and promote their recycling.

WEEE Approval

The wireless device is in compliance with the essential requirements and other relevant provisions of the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE Directive).

RoHS Approval

The wireless device is in compliance with the restriction of the use of certain hazardous substances in electrical and electronic equipment Directive 2002/95/EC (RoHS Directive).

Laws and Regulations Observance

Observe laws and regulations when using your wireless device. Respect the privacy and legal rights of the others.

Care and Maintenance

It is normal that your wireless device gets hot when you use or charge it. Before you clean or maintain the wireless device, stop all applications and disconnect the wireless device from your PC.

- Use your wireless device and accessories with care and in clean environment. Keep the wireless device from a fire or a lit cigarette.
- Protect your wireless device and accessories from water and vapor and keep them dry.
- Do not drop, throw or bend your wireless device.
- Clean your wireless device with a piece of damp and soft antistatic cloth. Do not use any chemical agents (such as alcohol and benzene), chemical detergent, or powder to clean it.
- Do not leave your wireless device and accessories in a place with a considerably low or high temperature.
- Use only accessories of the wireless device approved by the manufacture. Contact the authorized service center for any abnormality of the wireless device or accessories.
- Do not dismantle the wireless device or accessories. Otherwise, the wireless device and accessories are not covered by the warranty.

Emergency Call

This wireless device functions through receiving and transmitting radio signals. Therefore, the connection cannot be guaranteed in all conditions. In an emergency, you should not rely solely on the wireless device for essential communications.

Specific Absorption Rate (SAR)

Your wireless device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for wireless devices is 2.0 W/kg and the highest SAR value for this device when tested complied with this limit.

Body Worn Operation

Important safety information regarding radiofrequency radiation (RF) exposure

To ensure compliance with RF exposure guidelines the device must be used with a minimum of 1.5 cm separation from the body.

Failure to observe these instructions could result in your RF exposure exceeding the relevant guideline limits.

Regulatory Information

The following approvals and notices apply in specific regions as noted.

CE Approval (European Union)

The wireless device is approved to be used in the member states of the EU. The wireless device is in compliance with the essential requirements and other relevant provisions of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE Directive).

Federal Communications Commission Notice (United States): Before a wireless device model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure.

The SAR limit adopted by the USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the FCC for this device type was compliant with this limit.

FCC Statement

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.

* This device should be installed and operated with a minimum distance of 20 cm between the radiator and your body when using it via USB cable.

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