# B683 Quick Start

Note:

- Figures in this guide are only for your reference. For details about the particular model you have chosen, contact your service provider.
- Check the information about the product and its accessories when you purchase it. Some accessories are not provided in the product package. If necessary, contact your local dealer to purchase them.
- This guide briefly describes the device functions. For details about how to set the management parameters, see the help information on the web management page.

Getting to Know Your Device

Application Scenarios

Scenario 1:

You can connect your computer to the device to access the Internet. The specific connection steps depend on your computer's operating system. Follow the displayed instructions to connect the device to your computer.
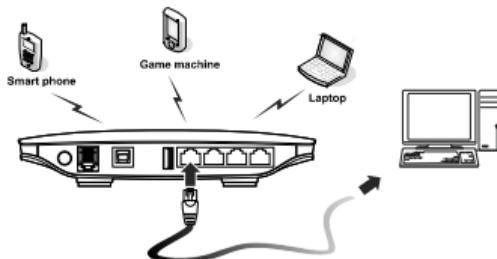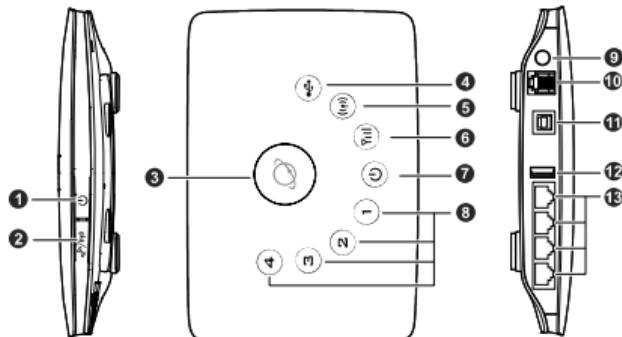
(Optional) Scenario 2:

You can connect a telephone to the device's telephone port to make voice calls.

Appearance

1. Power button
2. Wi-Fi/WPS button
3. Dial-up button
4. USB indicator
5. Wi-Fi/WPS indicator
6. Network status indicator
7. Power indicator

8. LAN indicators
9. External antenna port
10. Telephone port
11. Power port
12. USB port
13. LAN ports

Note:

- LAN: local area network
- USB: universal serial bus
- Wi-Fi: Wireless Fidelity
- WPS: Wi-Fi Protected Setup

Indicators

| Indicator	Status
⟨USB icon⟩ USB indicator	• Steady on: USB storage device connected. • Off: USB storage device not connected.
⟨Wi-Fi/WPS icon⟩ Wi-Fi/WPS indicator	• Steady on: Wi-Fi turned on or data transfer in progress. • Blinking: WPS connection being set up. • Off: Wi-Fi turned off.
⟨Network status icon⟩ Network status indicator	• Blinking red fast: Subscriber Identity Module (SIM) card unavailable (SIM card not installed or malfunctioning, or PIN code not verified). • Steady yellow: device registered with the network. • Steady green: device connected to the Internet. • Off: no signal received.
⟨Power icon⟩ Power indicator	• Steady on: device powered on. • Off: device powered off.
⟨1⟩⟨2⟩⟨3⟩⟨4⟩ LAN indicators	• Steady on: network cable connected. • Blinking: data transfer in progress. • Off: network cable not connected.

Computer Hardware and Software Requirements

The recommended computer specification is as follows:

- Central processing unit (CPU): Pentium 500 MHz or faster
- Random access memory (RAM): ≥ 128 MB
- Hard drive: 50 MB disk space available
- Operating system: Windows 2000, Windows XP, Windows Vista, or Windows 7
- Liquid crystal display (LCD) resolution: At least 800 x 600 pixels (1024 x 768 pixels is recommended.)

Installing the SIM Card

1. Slide the card cover off.
2. Insert the SIM card into the card slot. Ensure that the gold contact area faces down and that the beveled edge of the SIM card aligns with that of the card slot.
3. Slide the card cover back onto the device.
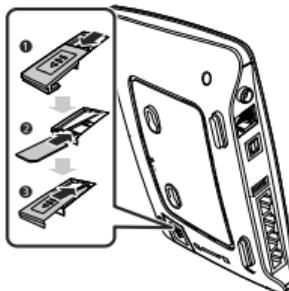
Attention: Before removing the SIM card, ensure that the device is powered off and disconnected from the power outlet.

(Optional) Using the Table Stand

You can place the device on a flat surface such as a table or a desk, or hang it on a wall. You can also use the table stand on the device to place it upright.

To use the table stand, insert its latches into the device's table stand slots, as shown in the following figure.
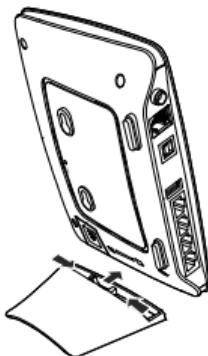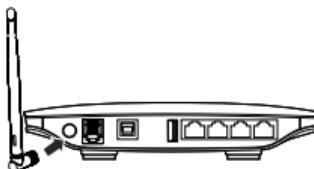

Note:

- To ensure good signal reception, place the device in a high place or near a window.
- To prevent interference caused by radio signals, place the device at least 1 meter (3.28 feet) away from other electrical devices.

(Optional) Installing an External Antenna

In areas with poor network coverage, connect an external antenna to the device's external antenna port. Screw the external antenna in fully, as shown in the following figure.
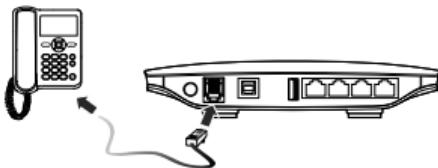

Note:

- Skip this section if you do not need to connect an external antenna to the device.
- Before using an external antenna, log in to the web management page (http://192.168.1.1) and set antenna mode to external. For details, see the help information on the web management page.
- Only use the external antenna indoors.
- You cannot switch between the internal antenna and the external antenna while using a voice or data service.

(Optional) Connecting to a Telephone

If you want to use the device to make voice calls, connect the device to a telephone, as shown in the following figure.


Note:

- Skip this section if you do not plan to use the device's voice services.
- Radio signals can interfere with telephone call connection and quality. To eliminate the risk of possible interference, place the telephone at least 1 meter (3.28 feet) away from the device.

Connecting to a Computer

Use an Ethernet cable to connect a computer to one of the device's LAN ports, as shown in the following figure.
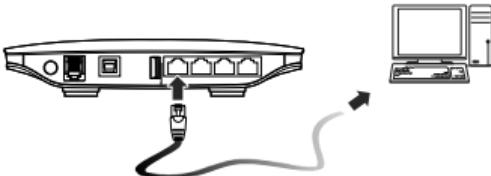

When the connection between the device and the computer is set up, the device's corresponding LAN indicator turns on.

Ensure that the Ethernet cable is not longer than 100 meters (328 feet).

Connecting to a USB Flash Drive, Portable Hard Disk Drive, or USB Printer

Connect a USB flash drive, portable hard disk drive, or USB printer to the device's USB port, as shown in the following figure. For details, see the help information on the web management page.
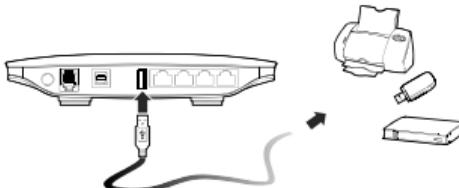
Note:

- Do not connect a computer to the device's USB port.
- The device's USB port can supply a maximum current of 500 mA to power connected USB devices. If the current required by a portable hard disk drive (or other peripherals) connected to the device is higher than 500 mA, the device may fail to recognize the hard disk drive. In this case, use an auxiliary power supply for the hard disk drive. For more information, contact your service provider.

Connecting to a Power Outlet

Connect a compatible power adapter to the device's power port, and then plug the power adapter into a power outlet.
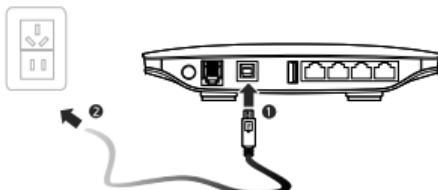
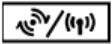**Note:** Using an incompatible power adapter may damage the device.
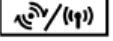
Powering the Device On or Off

- After connecting to a power outlet, the device will power on automatically.

- To manually power the device on, press and hold $\boxed{\text{ⓤ}}$ until all indicators turn on.

- To power the device off, press and hold $\boxed{\text{ⓤ}}$ until all indicators turn off.

Setting Up a Wireless Connection

Turning the Device's Wi-Fi On

By default, the device's Wi-Fi automatically turns on when the device is powered on.

To manually turn Wi-Fi on, press and hold $\boxed{\text{📶/(ⓟ)}}$ until $(ⓟ)$ turns steady on.

Note: To turn Wi-Fi off, press and hold $\boxed{\text{📶/(ⓟ)}}$ for 2 seconds, and then release your finger. The $(ⓟ)$ indicator turns off.

Setting Up a Wi-Fi Connection

Note: Before setting up a Wi-Fi connection, ensure that a wireless network adapter has been installed on your computer. If the wireless network adapter is functioning correctly, you will be able to find a wireless network connection in your computer's connection manager application.

Method 1: Set up a Wi-Fi connection.

1. Ensure that $((\cdot))$ is steady on.

2. Scan for available wireless network connections using your computer's connection manager application.

3. Connect to the wireless network that has the same service set identification (SSID) as the device.

Note:

- If a security mechanism has been enabled for the wireless network connection, enter the correct network key.
- The SSID and the network key are printed on the device label.

Method 2: (Optional) Set up a WPS connection.

If the client to which your device connects supports WPS, a network key is generated automatically.

To set up a WPS connection:

1. Ensure that $((\cdot))$ is steady on.

2. Press and hold $\boxed{\diagup(\cdot)}$ until $((\cdot))$ blinks to activate the WPS connection on your device.

3. Activate the WPS connection on the client.

Note: For details about the client's operations, see its user guide.

Accessing the Internet

After a connection between your device and the client is set up, you can access the Internet using the modes listed in the following table.

Select an appropriate mode according to your data service charging plan. For example, if you are charged according to the length of time you are connected to the Internet, it is recommended that you select manual mode. For details about your data service charging plan, contact your service provider.

Mode	Description
Auto	After being powered on, the device will automatically connect to the Internet. Once connected, the device will not automatically disconnect from the Internet.
Manual	● Press and hold ⊘ until 📶 turns steady green, which indicates that you are connected to the Internet. ● Log in to the web management page, and then connect to or disconnect from the Internet as prompted.
On Demand	After being powered on, if there is data being transferred, the device will automatically connect to the Internet. If no data is transferred within a pre-defined period, the device will automatically disconnect from the Internet.

Using the Web Management Page

You can configure and manage the device settings using the web management page.

1. Launch a web browser, and enter **http://192.168.1.1** in the address bar.

2. Enter the password, and log in to the web management page. The default password is **admin**.

Note: To protect your device, only one user can log in to the web management page at a time.
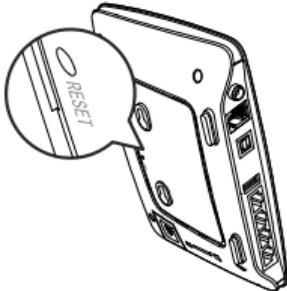
Restoring Factory Defaults

If you are uncertain of which settings you have configured or changed, you can restore the factory defaults that the device came with, and then reconfigure the device.

To restore the factory defaults, Use a sharp-pointed object to press and hold the

RESET button until all indicators ($(({}^{\langle\!\langle\mathbf{i}\rangle\!\rangle}))$, $(\mathbf{1})$, $(\mathbf{2})$, $(\mathbf{3})$, $(\mathbf{4})$, and $(\overset{\bullet\leftrightarrow}{})$) blink.

After the factory defaults are restored, the device will restart automatically.

Note: Restoring factory defaults will delete all the device's user-defined settings and restore all settings on the web management page to their defaults.

Further Tips

If the device does not work properly:

● See the help information on the web management page.
● Restart the device.
● Restore the device to its factory defaults.
● Contact your service provider.