

EchoLife BM625 WiMAX CPE

Quick Start

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Thank you for purchasing WiMAX CPE!

Before you begin

Check the following items in the product package. If you find anything missing or damaged, contact the service provider.

- WiMAX CPE
- Dedicated Power Adapter
- Ethernet Cable
- Quick Start
- Qualification Card

Getting to Know Your CPE

The supported functions and actual appearance of the CPE may vary with the product you purchase. The following pictures are provided for illustration purpose only.

Top Panel

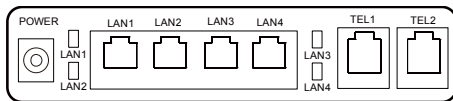


Indicator	Status	Description
WiMAX	On	The indicators indicate the signal strength of the WiMAX network. When all the indicators are on, it indicates that the signal strength is at the highest level.
	Blink	The CPE is being upgraded when they blink sequentially. The software is damaged when they blink randomly.
	Off	There is no WiMAX network signal.
TEL1-TEL2	On	The TEL interface is being used.
	Blink	The TEL interface has an incoming call.
	Off	The telephone connected to the TEL port hangs up or the TEL interface is disabled.
POWER	On	The CPE is powered on.
	Off	The CPE is powered off.

Notes:

- WiMAX: Worldwide Interoperability for Microwave Access
- CPE: Customer Premises Equipment

Rear Panel



Interface/Indicator	Description
POWER	The interface is used to connect to the output interface of the power adapter.
LAN	The interfaces are used to connect the CPE to the computer or the switch. The indicators are used to indicate the status of the devices connected to the corresponding interfaces.
TEL	The interfaces are used to connect a telephone line.

Side Panel

The preceding figure shows the appearance of the side panel that is rotated 90 degrees counterclockwise.



Button	Description
RESET	Press and hold the button for one to eight seconds to restart the CPE. Press and hold the button for over eight seconds to restore the default settings of the CPE. Once you restore the default settings, all the customized data will be lost. Use this function with caution.

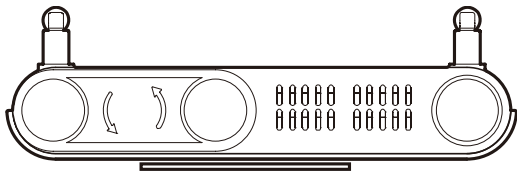
Preparing for Installation

Selecting a Proper Installation Position

- Obstacles such as concrete or wooden walls may affect the transmission of WiMAX network signals. Therefore, install the CPE in an open space.
- Keep the CPE away from any household appliance that produces a strong electric or magnetic field, such as a microwave oven, a refrigerator, or a satellite dish antenna.

Positioning the CPE

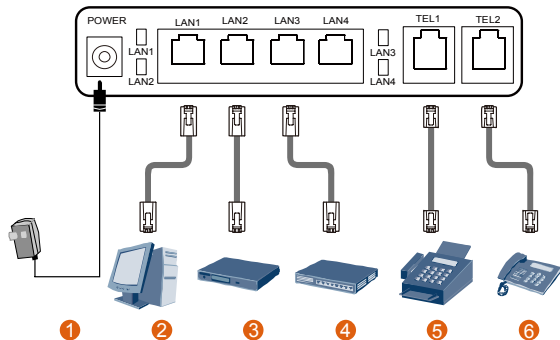
Rotate the support a maximum of 90 degrees counterclockwise as shown in the following figure.



Connecting the Cables

CAUTION:

During lightning storms, power off the CPE, disconnect the CPE from the power supply, and do not touch the antenna.



1 Power adapter

2 Computer

3 Set top box

4 Switch

5 Electrograph

6 Telephone

Use the cables and the power adapter provided with the product.

The cable connection figure is provided for illustration purpose. You can connect the devices to the CPE according to the actual requirements.

When the cables are connected correctly, the CPE will search for a WiMAX network automatically. After accessing the network successfully, the CPE can be used.


Connecting the External Antenna (Optional)

CAUTION:

- Do not use the external antenna outdoors.

- During lightning storms, stop using the external antenna, and disconnect it from the CPE.

Two external antennas can be connected to the CPE at a time. If only one antenna is

connected, connect it to the main antenna interface labeled with . Otherwise, the CPE may fail to work normally. To connect an external antenna, do as follows:

1. Power off the CPE.
2. Connect the external antenna to the CPE.
3. Put the external antenna in an open space without any obstacle surrounded, to ensure good reception of network signals.

Logging In to the Web-Based Utility

Take the Windows XP operating system and the Internet Explorer 6.0 as examples.

Ensure that the CPE is connected to the PC. To log in to the Web-based utility, do as follows:

1. Set the IP address of the PC and ensure that the IP address of the PC is in the same network segment as that of the CPE.

Notes:

- By default, the IP address of the CPE is 192.168.1.1 and the subnet mask is 255.255.255.0.
 - It is recommended that the IP address and DNS settings be obtained automatically.
2. Start the Internet Explorer, enter **http://192.168.1.1** in the address bar, and then press **Enter**.
 3. Enter the user name and the password in the login window that is displayed, and then click **Login**.

Note:

Both the initial user name and password are **user**.

4. After the user name and the password are verified, you can perform operations on the Web-based utility.

For details about the settings of advanced parameters, see the online help in the Web-based utility. To read the online help, you need to install the Adobe Reader 6.0 or later versions.

Troubleshooting

The power indicator is not on.

- Ensure that the device is powered on.
- Ensure that the power adapter is compatible with the device.

You cannot make calls.

- Ensure that the telephone is working normally and the telephone line is connected properly.
- Ensure that the VoIP service is configured correctly.

If the problem persists, contact the local service provider.

You cannot log in to the Web-based utility.

- Ensure that the device is powered on.
- Ensure that the network cable connecting the device and the PC is in good condition.
- Ensure that the parameters are set correctly.

If the problem persists, contact the local service provider.

The WiMAX network cannot be found.

- Ensure that the antennas are properly connected.
- Check the power supply, ensuring that the power supply is properly connected.
- Ensure that the device is placed in an open space where it is away from obstacles such as concrete or wooden walls.
- Ensure that the device is placed away from any household appliance that produces a strong electric or magnetic field, such as a microwave oven, a refrigerator, or a satellite

dish antenna.

If the problem persists, contact the local service provider.

The device or the power adapter overheats.

- The device may get heated after being used for a long time. Therefore, power off the device when you do not use the device.
- Place the device in a well-ventilated place and do not expose the device to direct sunlight.

Specifications

WiMAX Parameters	
Standard	IEEE 802.16e-2005
Frequency	2.496–2.69 GHz
Port	
LAN	Four Fast Ethernet (FE) interfaces
TEL	Two Plain Old Telephone Service (POTS) interfaces
Other Parameters	
Power adapter input	100–240V AC
Power consumption	12 W
Power supply to device	12V, 2A
Operating temperature	0°C to 40°C (32°F to 104°F)
Operating humidity	5% to 95%, non-condensing
Dimensions (L×W×H)	188 mm × 158 mm × 34 mm (without the base)
Weight	<400 g

Warnings and Precautions

To use the device properly and safely, read these warnings and precautions carefully and strictly observe them during operation.

Note:

Unless otherwise specified, the device described in this section includes the device and its accessories.

Basic Requirements

- During storage, transportation, and operation of the device, keep it dry and prevent it from colliding with other objects.
- Do not dismantle the device. In case of any fault, contact an authorized service center for assistance or repair.
- Without authorization, no organization or individual can change the mechanical, safety, or performance design of the device.
- When using the device, observe all applicable laws and regulations and respect the legal rights of other people.

Environmental Requirements for Using the Device

- Before connecting and disconnecting cables, stop using the device, and then disconnect it from the power supply. Ensure that your hands are dry during operation.
- Keep the device far from sources of heat and fire, such as a heater or a candle.
- Keep the device far from electronic appliances that generate strong magnetic or electric fields, such as a microwave oven or a refrigerator.
- Place the device on a stable surface.
- Place the device in a cool and well-ventilated indoor area. Do not expose the device to direct sunlight. Use the device in an area with a temperature ranging from 0°C to 40°C.

- Do not block the openings on the device with any object. Reserve a minimum space of 10 cm around the device for heat dissipation.
- Do not place any object (such as a candle or a water container) on the device. If any foreign object or liquid enters the device, stop using the device immediately, power it off, remove all the cables connected to it, and then contact an authorized service center.
- During thunderstorms, power off the device, and then remove all the cables connected to it to prevent it from getting damaged due to lightning strikes.

Precautions for Using Wireless Devices

- The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.
- Do not use the device where using wireless devices is prohibited or may cause interference or danger.
- The radio waves generated by the device may interfere with the operation of electronic medical devices. If you are using any electrical medical device, contact its manufacturer for the restrictions on the use of the device.
- Do not take the device into operating rooms, intensive care units (ICUs), or coronary care units (CCUs).

Areas with Inflammables and Explosives

- Do not use the device where inflammables or explosives are stored, for example, in a gas station, oil depot, or chemical plant. Otherwise, explosions or fires may occur. In addition, follow the instructions indicated in text or symbols.
- Do not store or transport the device in the same box as inflammable liquids, gases, or explosives.

Accessory Requirements

- Use only the accessories supplied or authorized by the device manufacturer. Otherwise, the performance of the device may get affected, the warranty for the device or the laws

and regulations related to telecommunications terminals may become null and void, or an injury may occur.

- Do not use the power adapter if its cable is damaged. Otherwise, electric shocks or fires may occur.
- Ensure that the power adapter meets the specifications indicated on the device nameplate.
- Ensure that the power adapter meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1 and it is tested and approved according to national or local standards.

Safety of Children

Keep the device and its accessories out of the reach of children. Otherwise, they may damage the device and its accessories by mistake, or they may swallow the small components of the device, causing suffocation or other dangerous situations.

Maintenance

- If the device is not used for a long time, power it off, and then remove all the cables connected to it.
- If any exception occurs, for example, if the device emits any smoke or unusual sound or smell, stop using the device immediately, power it off, remove all the cables connected to it, and then contact an authorized service center.
- Do not trample, pull, or overbend any cable. Otherwise, the cable may get damaged, causing malfunction of the device.
- Before cleaning the device, stop using it, power it off, and then remove all the cables connected to it.
- Use a clean, soft, and dry cloth to clean the device shell. Do not use any cleaning agent or spray to clean the device shell.

Disposal and Recycling Information



This symbol on the device (and any included batteries) indicates that the device (and any included batteries) should not be disposed of as normal household garbage. Do not dispose of your device or batteries as unsorted municipal waste. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of its life.

- For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service, or the retail store where you purchased this device.
- The disposal of this device is subject to the Waste from Electrical and Electronic Equipment (WEEE) Directive of the European Union. The purpose for separating WEEE and batteries from other waste is to minimize any environmental impact and health hazard due to the presence of hazardous substances.

Reduction of Hazardous Substances

This device is compliant with the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC of the European Parliament and of the Council) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2002/95/EC of the European Parliament and of the Council). For more information about the REACH compliance of the device, visit the Web site www.huaweidevice.com/certification. You are recommended to visit the Web site regularly for up-to-date information.

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- For the declaration of conformity, visit the Web site www.huaweidevice.com/certification.

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- Notice: Observe the national local regulations in the location where the device is to be used. This device may be restricted for use in some or all countries of European Union.

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