

# B612 LTE CPE

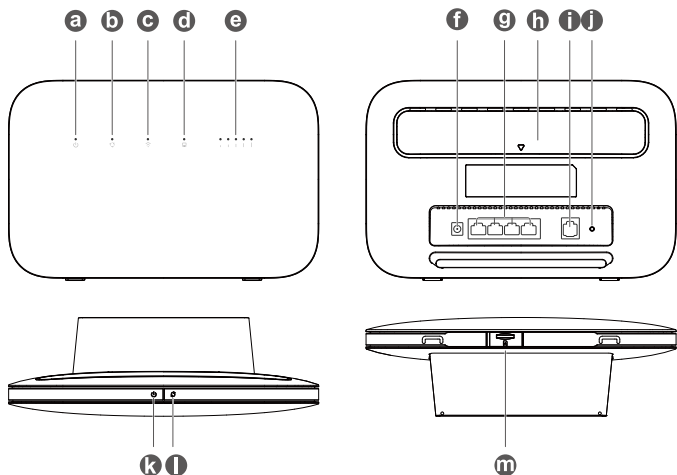
## Quick Start





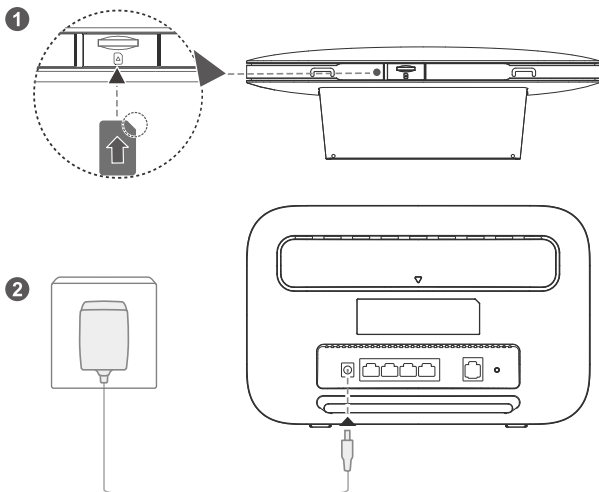


# 1 Product overview



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- |          |                           |          |                          |
|----------|---------------------------|----------|--------------------------|
| <b>a</b> | Power indicator           | <b>b</b> | Network status indicator |
| <b>c</b> | Wi-Fi®/WPS indicator      | <b>d</b> | LAN/WAN indicator        |
| <b>e</b> | Signal strength indicator | <b>f</b> | Power input              |
| <b>g</b> | LAN/WAN port              | <b>h</b> | External antenna sockets |
| <b>i</b> | Landline phone port       | <b>j</b> | Reset button             |
| <b>k</b> | Power button              | <b>l</b> | WPS button               |
| <b>m</b> | Micro-SIM card slot       |          |                          |
-

# 2 Setup



Insert a micro-SIM card into the micro-SIM card slot as shown in the preceding diagram and then connect the power adapter to the B612 router. The router will turn on automatically and search for available mobile networks.

The following indicators will turn on when the router has successfully connected to a network.



Cyan/blue/yellow:  
Connected to a mobile  
network.

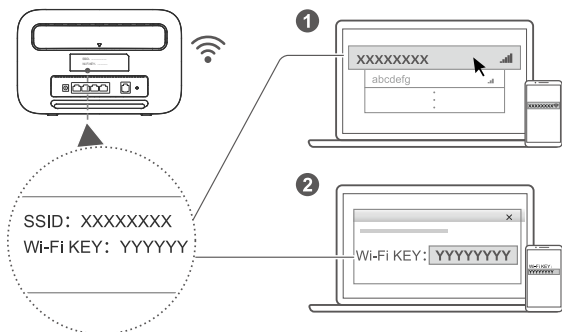


White: More signal bars  
indicate a stronger signal.




Do not insert or remove a micro-SIM card when the router is running, as this may affect performance or damage the micro-SIM card.

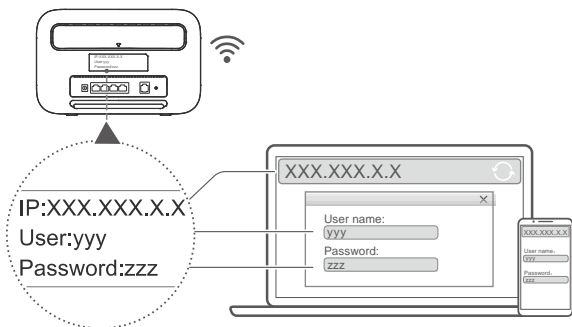
# 3 Connecting to your router's Wi-Fi network



Once the router has connected to a mobile data network, you can connect your computer or mobile phone to the router's Wi-Fi network to access the Internet. Please refer to the label on the bottom of the router for the default wireless network name (**SSID**) and password (**Wi-Fi KEY**).


- When the  indicator is steady on, Wi-Fi is enabled. To enable or disable Wi-Fi, refer to the help section on the router's web-based management page.
- Ensure that you promptly change the Wi-Fi network name and password on the web-based management page to prevent unauthorized access to your Wi-Fi network. Once you have changed the password, you will need to reconnect to the router's Wi-Fi network.

# 4 Configuring your router




You can configure the router using the web-based management page. Please refer to the label on the bottom of the router for the default IP address, user name, and password.

More information can be found in the help section of the web-based management page.

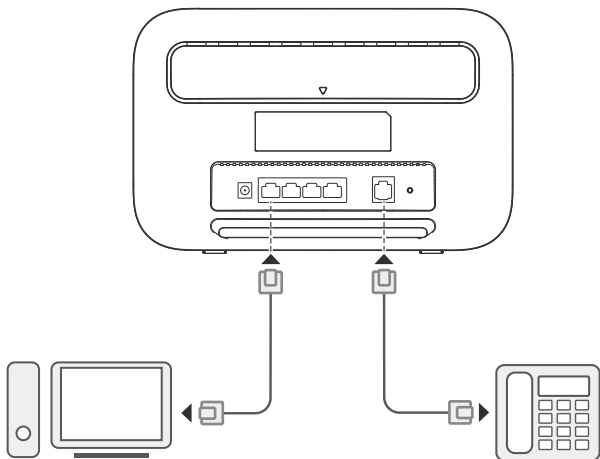
-  You will be prompted to change the default login password for the web-based management page to prevent unauthorized users from changing the router's settings.

# 5 Optional configurations

 The features described in this section are for reference purposes only. Your router may not support all of these features.


## 1. Connecting multiple devices

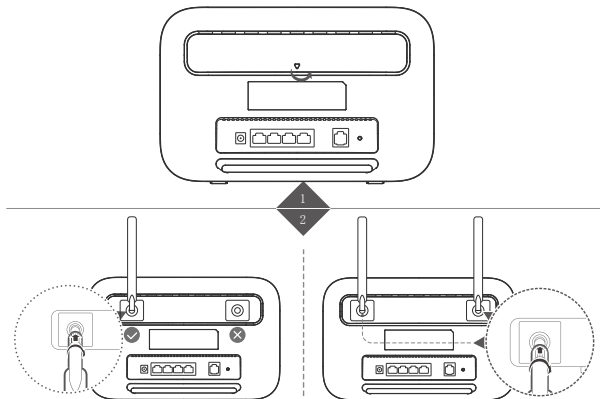
You can connect a computer, or landline phone to the router to access the Internet, make telephone calls, and more.






## 2. Installing external antennas

You can install external antennas to improve signal reception. Please contact your network service provider to purchase the antennas. If you only require one antenna, plug it into the  socket.

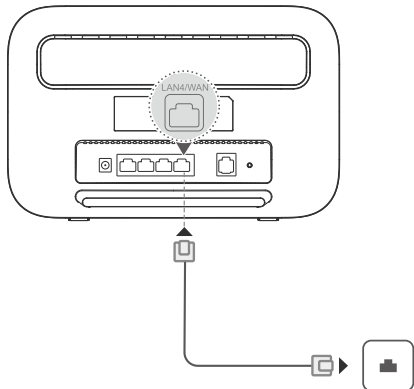


-  ● Turn off the router and unplug the power adapter before installing any external antennas.
- External antennas are only suitable for indoor use. Do not use external antennas during thunderstorms.
- Only use external antennas provided by your network service provider.

### 3. Accessing the Internet through an Ethernet port

You can connect the router to a wall-mounted Ethernet port using an Ethernet cable to connect to the Internet when you have used up your data allowance.

Configure the relevant settings on the web-based management page before connecting to the Internet through an Ethernet port. More information can be found in the help section of the web-based management page.



#### 4. Downloading Huawei HiLink App

Scan the QR code to download the Huawei HiLink App and configure the router from your phone.




# 6 Additional information

If you are experiencing any issues with the router:


- Restart the router.
- Refer to the help section on the web-based management page.
- Restore the router to its factory settings.
- Contact your network service provider.

Please visit <http://consumer.huawei.com/en/support/hotline> for recently updated hotline and email address in your country or region.

 The illustrations in this guide are for reference purposes only and may not reflect the exact appearance of your product. Please contact your network service provider for more detailed information.

# 7 FAQs

## How do I restore factory settings?

When the router is turned on, press the reset button for approximately 3 seconds using a pointed object until the  indicator starts to blink. Restoring factory settings will clear all customized settings. Proceed with caution.


## How can I connect to the router using Wi-Fi Protected Setup (WPS)?

1. Ensure that Wi-Fi is enabled on the client.
2. Press and hold the WPS button on the router for one second to set up a 2.4 GHz WPS connection.



## Why is the content displayed on the Web UI management page not up to date?

Depending on your browser's cache, the content for your device on the Web UI management page may not be up to date. Manually clear your browser's cache (for example, open your browser and choose Internet Options > General > Browsing history > Delete.) and re-launch the Web UI management page.

# 8 Troubleshooting

**Why is the  indicator red after I have finished configuring the router?**

1. Make sure you have a working micro-SIM card and ensure that it is inserted properly.
2. Move the router to an open space free from obstructions and make sure you have an available mobile network in your area.
3. If the problem persists, please contact your network service provider.

**Why is the  indicator status steady on cyan, blue, or yellow, but the  indicator is off?**

Your mobile network has poor reception. Move the router to a place with better reception.

**Why can't I access the router's web-based management page?**

1. Ensure that your computer is connected to the router through an Ethernet cable or Wi-Fi.
2. Ensure that your computer is set to obtain an IP address and DNS server address automatically.
3. Restart your browser, or try using another browser.
4. If the problem persists, restore the router to its factory settings.

# 9 Safety information

This section contains important information about the operation of your device. It also contains information about how to use the device safely. Read this information carefully before using your device.

## Electronic device

Do not use your device if using the device is prohibited. Do not use the device if doing so causes danger or interference with other electronic devices.

## Interference with medical equipment

- Follow rules and regulations set forth by hospitals and health care facilities. Do not use your device where prohibited.
- Some wireless devices may affect the performance of hearing aids or pacemakers. Consult your service provider for more information.
- Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If using a pacemaker, hold the device on the side opposite the pacemaker and do not carry the device in your front pocket.

## Areas with flammables and explosives

- Do not use the device where flammables or explosives are stored (in a gas station, oil depot, or chemical plant, for example). Using your device in these environments increases the risk of explosion or fire. In addition, follow the instructions indicated in text or symbols.
- Do not store or transport the device in containers with flammable liquids, gases, or explosives.

## Traffic security

- Observe local laws and regulations while using the device. To reduce the risk of accidents, do not use your wireless device while driving.
- Concentrate on driving. Your first responsibility is to drive safely.
- RF signals may affect the electronic systems of motor vehicles. For more

information, consult the vehicle manufacturer.

- Do not place the device over the air bag or in the air bag deployment area in a motor vehicle. Doing so may hurt you because of the strong force when the air bag inflates.
- Wireless devices may interfere with the airplane's flight system. Do not use your device where wireless devices are not allowed according to the airplane company's regulations.

## Operating environment

- Avoid dusty, damp, or dirty environments. Avoid magnetic fields. Using the device in these environments may result in circuit malfunctions.
- Before connecting and disconnecting cables, stop using the device and disconnect it from the power supply. Ensure that your hands are dry during operation.
- Place the device on a stable surface.
- Keep the device away from electronic appliances that generate strong magnetic or electric fields, such as a microwave oven or refrigerator.
- During thunderstorms, power off your device and remove all cables connected to it to protect against lightning strikes.
- Do not use your device during thunderstorms to protect your device against any danger caused by lightning.
- Ideal operating temperatures are 0 °C to 40 °C. Ideal storage temperatures are -20 °C to +70 °C. Extreme heat or cold may damage your device or accessories.
- Keep the device and accessories in a well-ventilated and cool area away from direct sunlight. Do not enclose or cover your device with towels or other objects. Do not place the device in a container with poor heat dissipation, such as a box or bag.
- To protect your device or accessories from fire or electrical shock hazards, avoid rain and moisture.
- Keep the device away from sources of heat and fire, such as a heater, microwave oven, stove, water heater, radiator, or candle.
- 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, immediately stop



using it, power it off, and remove all cables connected to it. Then, contact an authorized service center.

- Observe local laws and regulations, and respect the privacy and legal rights of others.
- Do not block device openings. Reserve a minimum of 10 cm around the device to dissipate heat.
- Stop using your device or applications for a while if the device is overheated. If skin is exposed to an overheated device for an extended period, low temperature burn symptoms, such as red spots and darker pigmentation, may occur.
- Do not touch the device's antenna. Otherwise, communication quality may be reduced.
- Do not allow children or pets to bite or suck the device or accessories. Doing so may result in damage or explosion.
- The device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
- Keep the device in a place with good reception. The distance between the device and other metal materials (such as metal brackets or metal doors and windows) should be greater than 25 cm and the distance between the device should be greater than 30 cm.

## **Child's safety**

- Comply with all precautions with regard to child's safety. Letting children play with the device or its accessories may be dangerous. The device includes detachable parts that may present a choking hazard. Keep away from children.
- The device and its accessories are not intended for use by children. Children should only use the device with adult supervision.

## **Accessories**

- Using an unapproved or incompatible power adapter, charger or battery may cause fire, explosion or other hazards.
- Choose only accessories approved for use with this model by the device manufacturer. The use of any other types of accessories may void the warranty, may violate local regulations and laws, and may be dangerous.

Please contact your retailer for information about the availability of approved accessories in your area.

## **Power adapter safety**

- The power plug is intended to serve as a disconnect device.
- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the power adapter from electrical outlets and the device when not in use.
- Do not drop or cause an impact to the power adapter. If it is damaged, take it to an authorized service center for inspection.
- If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using it at once. Continued use may lead to electric shocks, short circuits, or fire.
- Do not touch the power cord with wet hands or pull the power cord to disconnect the power adapter.
- Do not touch the device or the power adapter with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.
- If your power adapter has been exposed to water, other liquids, or excessive moisture, take it to an authorized service center for inspection.
- Ensure that the power adapter meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1/UL60950-1 and has been tested and approved according to national or local standards.

## **Cleaning and maintenance**

- During storage, transportation, and operation of the device, keep it dry and protect it from collision.
- Keep the device and accessories dry. Do not attempt to dry it with an external heat source, such as a microwave oven or hair dryer.
- Do not expose your device or accessories to extreme heat or cold. These environments may interfere with proper function and may lead to fire or explosion.
- Avoid collision, which may lead to device malfunctions, overheating, fire, or explosion.

- If the device is not going to be used for an extended period of time, power it off, and remove all cables connected to it.
- If anything unusual occurs (for example, if the device emits smoke or any unusual sound or smell), immediately stop using it, power it off, remove all cables connected to it, and contact an authorized service center.
- Do not trample, pull, or excessively bend any cable. Doing so may damage the cable, causing the device to malfunction.
- Before you clean or maintain the device, stop using it, stop all applications, and disconnect all cables connected to it.
- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device or accessories. These substances may cause damage to parts or present a fire hazard. Use a clean, soft, and dry cloth to clean the device and accessories.
- Do not place magnetic stripe cards, such as credit cards and phone cards, near the device for extended periods of time. Otherwise the magnetic stripe cards may be damaged.
- Do not dismantle or remanufacture the device and its accessories. This voids the warranty and releases the manufacturer from liability for damage. In case of damage, contact an authorized service center for assistance or repair.

## Disposal and recycling information



■ The crossed-out wheeled-bin symbol on your product, battery, literature or packaging reminds you that all electronic products and batteries must be taken to separate waste collection points at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage. It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) and batteries according to local laws.

Proper collection and recycling of your equipment helps ensure electrical and electronic equipment (EEE) waste is recycled in a manner that conserves valuable materials and protects human health and the environment,

improper handling, accidental breakage, damage, and/or improper recycling at the end of its life may be harmful for health and environment. For more information about where and how to drop off your EEE waste, please contact your local authorities, retailer or household waste disposal service or visit the website <http://consumer.huawei.com/en/>.

## **Reduction of hazardous substances**

This device and any electrical accessories are compliant with local applicable rules on the restriction of the use of certain hazardous substances in electrical and electronic equipment, such as EU REACH, RoHS and Batteries (where included) regulations, etc. For declarations of conformity about REACH and RoHS, please visit our web site <http://consumer.huawei.com/certification>.

## **EU regulatory conformance**

### **Statement**

Hereby, Huawei Technologies Co., Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The most recent and valid version of the DoC (Declaration of Confirmation) can be viewed at <http://consumer.huawei.com/certification>.

This device may be operated in all member states of the EU.

Observe national and local regulations where the device is used.

This device may be restricted for use, depending on the local network.

### **Restrictions in the 2.4 GHz band:**

**Norway:** This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund.

## **Frequency Bands and Power**

(a) Frequency bands in which the radio equipment operates: Some bands may not be available in all countries or all areas. Please contact the local carrier for more details.

(b) Maximum radio-frequency power transmitted in the frequency bands in which the radio equipment operates: The maximum power for all bands is less than the highest limit value specified in the related Harmonized Standard.

The frequency bands and transmitting power (radiated and/or conducted) nominal limits applicable to this radio equipment are as follows: GSM 900:37 dBm, GSM 1800:34 dBm, LTE Band 7/28/38: 25.7 dBm, LTE Band 42/43: 26 dBm, Wi-Fi 2.4G:20 dBm.

## **Accessories and Software Information**

It is recommended that the following accessories should be used:

Adapters: HW-120100X01 (X represents the different plug types used, which can be either C, U, J, E, B, A, I, R, Z or K, depending on your region)

The product software version is 11.187.01.01.00. Software updates will be released by the manufacturer to fix bugs or enhance functions after the product has been released. All software versions released by the manufacturer have been verified and are still compliant with the related rules.

All RF parameters (for example, frequency range and output power) are not accessible to the user, and cannot be changed by the user.

For the most recent information about accessories and software, please see the DoC (Declaration of Confirmation) at <http://consumer.huawei.com/certification>.

## **FCC Regulatory Compliance**

### **FCC statement**

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.

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:** Any changes or modifications to this device not expressly approved by Huawei Technologies Co., Ltd. for compliance could void the user's authority to operate the equipment.

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Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and therefore may not be activated or may be limited by local network operators or network service providers.

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