

# **3G Wireless Router**

## **Quick Guide**

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## 1 Safety precautions

Please carefully read these safety precautions to ensure your correct and safe use of the router.

	Do not start it where it is prohibited to do so or its use may result in interference or risk.
	Observe rules of the hospital and health care facilities. Shut off it near to medical appliances and facilities.
	To prevent its interference with aircraft control system, please shut it off in air port.
	Shut it off near to high-precision electronic instruments (such as embedded-type medical facilities), or otherwise it may impact their performances.
	Do not attempt to demount it and its accessories. Only professionals can repair it or provide service to it.
	Do not place it where an explosion may occur.
	Do not place magnetic storage media such as magnetic card and floppy disk near to it, as its radiation may erase the information saved in them.
	Do not use it where the temperature is high or inflammable gas exists (such as in a gasoline filling station).
	Place it out of children's reach. Do not allow children to use it without directions.
	Never use batteries or charging devices not approved by the manufacturer, or otherwise an explosion may result in.
	During its use, please observe relevant laws and regulations, and respect privacy and lawful rights and interests of others.

Recommend you to use it under the following environment: Temperature: 0°C – 50°C; Humidity: 10%–90%.

Recommend you to preserve it under the following environment: Temperature: –10°C – 70°C; Humidity: 5%–95%.

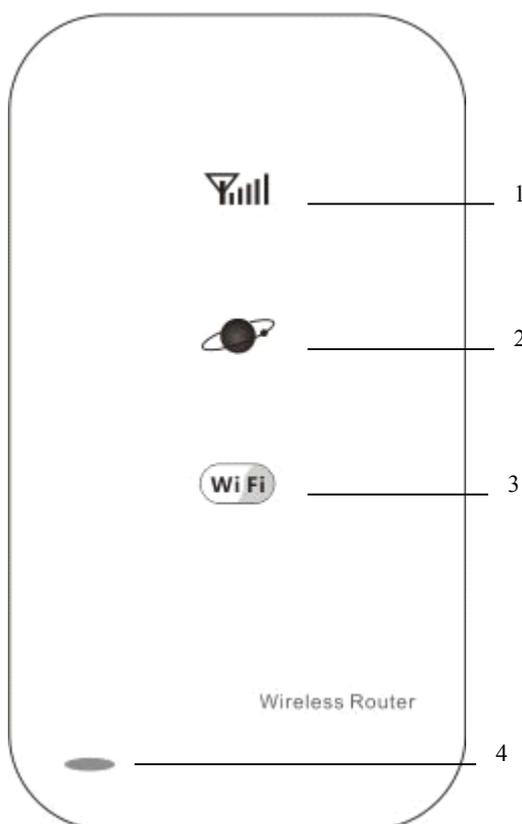
## 2 Product overview

This product is a 3G portable wireless router which can provide 3G wireless network function, meeting application requirements of shared network and device networking, etc. for business travel and SOHO office of people.

### 2.1 Product description

#### 2.1.1 Panel lamps

Device diagram:



(For reference only)

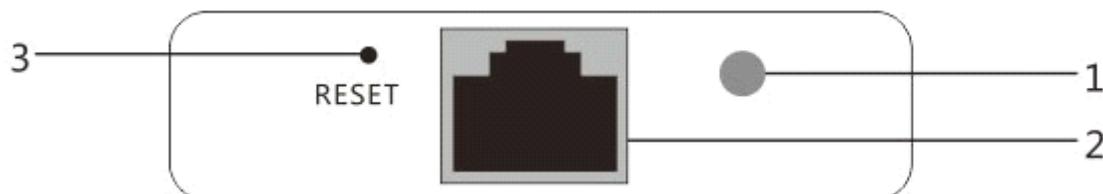
In facade of the product are 4 LED color indicator lamps as follows from top to bottom:

Indicator lamp	Status	Explanation
<b>1.</b> Signal intensity	Steady red	No signal or no USIM card, or the USIM card is wrongly inserted.
	Steady pink	Weak signal intensity
	Steady blue	Good signal intensity
	Gone out	Shut off
<b>2.</b> Network status	Steady green	WAN port is inserted with cable
	Flashing green	WAN port dial is successful and the network is connected

	Flashing blue	1 sec/time, the device is starting or in standby mode.
	Quick flashing blue	3G dial is undergoing
	Steady blue	3G dial is successful and the network is connected
	Gone out	Shut off
<b>3. WLAN Status</b>	Steady blue	The WIFI is starting
	Glimmering blue	WIFI is successfully connected and there is data flow
	Gone out	Shut off
<b>4. Power source status</b>	Steady green	In charging
	Green gone out	Charging is completed
	Steady blue	Battery electricity in high level
	Steady pink	Battery electricity in middle level
	Steady red	Battery electricity is low and needs charging
	Gone out	Shut off

### 2.1.2 Interface buttons

Device diagram:



(For reference only)

#### 1、 Power source button

When it is under shut-off status, press the power button and hold for more than 4 seconds for startup, and after startup, press it (more than 4 seconds) for shut-off.

#### 2、 RJ45-W/LAN adaptive network cable interface

WAN port: Insert the network cable and connect to the ADSL modem or cable modem

LAN port: Insert the network cable and connect to the computer

#### 3、 Reset button (Restore factory settings)

When no network cable is connected and the router is started, insert a pointed object to hold this button for more than 4 sec, pay attention to the panel indicator light, and loose the button when 2# light is green and 1# and 4# lights flash simultaneously. The system will be restarted and restore the factory settings.

## 2.2 System requirement

Prior to installing this router, please ensure that your computer satisfies the following requirements:

- Ø CPU: Basic frequency should be 500MHz at least
- Ø Hard disk: 50MB space available at least.Ø
- Operating system: Windows 7/VISTA/XP (Above SP2-grade version)
- Ø Display resolution: 800×600 pixel or higher (Recommended:1024 × 768) .
- Ø Interface: Standard USB 2.0 interface.
- Ø Network browser: Internet Explorer 6/7/8, Safari3/4/5, Fire Fox, Chrome.l

## 3 Directions for use

### 3.1 Hardware installation

Before setting the router, please make correct connections as the following steps:

- 1) Insert UIM card into SIM card slot;
- 2) If file sharing is required, please plug Micro-SD card into the card slot;
- 3) Load battery;
- 4) Load battery rear cap;

The internet-based devices can be connected to the 3G wireless router (**hereinafter referred to as L10**) through the Micro USB interface or WLAN mode for network connection.

- ◆ Connect through USB data line (data card mode).
  - 1) Connect L10 (**In shut-off state**) to the computer through USB data line
  - 2) When the computer is connected with L10 for the first time a setup procedure will pop up, and you only need to follow the setup steps  
Note: if automatic running of the CD is prohibited, please initiate the setup.exe file under the directory of this CD.  
After it is connected, the system will automatically pop up a client procedure, and you will only need to click the  button to connect the network.  
Please refer to the Help menu for detailed directions for the client procedure.
- ◆ Connect through WLAN (Router mode).
  - 1) Press L10 power source button and hold for more than 4 seconds to start it up.
  - 2) Connect the internet-based device to the L10 by using WLAN mode.  
The SSID format of L10 is "WIFI-\*\*\*\*\*", and the default connection password is "12345678".

### 3.2 Router administration page introduction

#### 3.2.1 Administration page login

The internet-based device can connect with L10 by using wireless or network cable mode. Open IE browser and enter 192.168.8.1 in the address bar to enter device management page (the default user name is "admin", and the password is "admin"):

## Wireless MultiMode 3G Router

China UNICOM  
Version: 2.1.3.7

语言/Language: English

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Status | Mode | 3G | LAN | Wireless | Security | Server | Routing | Admin | Logout

▶ Summary
Log
File Sharing

Work Mode		Smart Router Mode
Wifi Clients		1
3G Connect		Auto Select
3G ISP		WCDMA
Signal		100%
SIM/UMI Status		Available
3G Service		Valid service
3G Network		WCDMA

REFRESH

Help

Summary: Show current status and configurations of the router.

**WAN Info:**

Connection Type	3G Wireless Dial Up(Connected)	<div style="display: flex; justify-content: space-around; font-size: x-small;"> <span style="border: 1px solid gray; padding: 2px;">CONNECT</span> <span style="border: 1px solid gray; padding: 2px;">DISCONN</span> </div>
IP Address	10.106.85.205	
Subnet Mask	255.255.255.255	
Gateway	10.64.64.64	
DNS 1	210.21.196.6	
DNS 2	221.5.88.88	
MAC Address	00:20:0C:07:86:7B	
Keep Time	00:16:29	

### 3.2.2 Operating mode

Click "Operating mode" to enter the setting page

Status | Mode | 3G | LAN | Wireless | Security | Server | Routing | Admin

▶ Mode

**Device Work Mode**

Smart Router Mode  
Router will smart select work mode by ethernet port or USB port plugin.

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3G Wireless Router Mode  
Wireless and ethernet port connect to local network, The embed 3G USB modem connect to internet.

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Standard Wireless Router Mode  
Wireless connect to local network, The ethernet connect to internet.

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Wireless AP Client Mode  
Ethernet Wireless connect PC or local network, Another Wireless Interface work for a WAN port connect to other wireless AP or router.

APPLY
CANCEL

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- Intelligent routing mode (default mode)

After the router is started, it will select the working mode based on whether there is network cable. If there is no network cable, the router will select 3G connection for wireless routing; if there is network cable, it will start the wired to wireless function and disconnect the 3G connection automatically.

- 3G wireless routing mode

The wireless network and wired network connect to the router as LAN, and connect to the Internet automatically through internal integrated 3G modules. At this time, the terminal internet-based device can access to the Internet through wireless or wired network interface.

- Standard wireless routing mode (wired to wireless)

After selecting this mode, use the wireless function of the terminal internet-based device for connection and conducting relevant settings.

After successful wireless connection, enter management page, choose "WLAN settings" – "Connection mode" – "Access mode" to select relevant function to be used.

The access modes include (dynamic address DHCP, static address Static IP, and PPPOE/ADSL). If the internet environment is dynamic address DHCP, the access mode does not need to be selected, and the defaulted intelligent routing mode of the router will identify the access mode automatically.

- Wireless AP + client mode

The wireless and wired connections can be LAN access points, and the wireless interface can also connect with other AP as the client.

### 3.2.3 Wireless settings

Click "Wireless settings" to enter setting page

Status	Mode	3G	LAN	Wireless	Security	Server	Routing	Admin
▶ Basic		Security	Advanced	WDS	Station List	Mac Access		
<b>Basic</b>								
Wireless Enabled	<input checked="" type="checkbox"/>							
802.11 Mode	11b/g/n mixed mode ▼							
SSID	WIFI-07867A							
Do Not Broadcast SSID	<input type="checkbox"/>							
Channel	2437MHz (Channel 6) ▼							
HT Channel	2417MHz (Channel 2) ▼							
HT Data Rates	Auto ▼							
Channel BandWidth	<input type="radio"/> 20 <input checked="" type="radio"/> 20/40							
Guard Interval	<input type="radio"/> Long <input checked="" type="radio"/> Auto							
							APPLY	CANCEL

Wireless settings include the following setting items:

- Service Set Identifier (SSID): It will display on other wireless devices to identify your wireless network.
- Wireless channel: Select a channel in the list.
- Wireless safety: Set wireless security encryption mode and wireless key. This key is used for connecting your internet-based device with the router.

Note: These settings take effect after restarting.

### 3.2.4 3G settings

Click "3G " to enter the setting page

3G configuration settings automatically select the 3G service provider by default. The software will automatically judge the operator based on the inserted USIM card for automatic dial-up connection, or you can manually select the relevant configuration file in the drop-down list of 3G service providers for dial-up connection. If you have a special charge card requiring setting the specific access point APN, you can select "User Defined" to fill in relevant parameters need to be set for dial-up connection.

## 4 Warning and precautions

### 4.1.1 Electronic instruments

Shut it off near to high-precision electronic instrument, or otherwise it may impact their performances. These instruments include audiphone, heart pacemaker, fire alarm

system, automatic door and any other automatic equipment that may be impacted. If you are using an electronic medical facility, please inquire the facility manufacturer whether the radio wave may impact your operation.

#### **4.1.2 Hospital**

The following points should be observed in a hospital or medical facility:

- Do not bring your wireless router into a surgery, intensive care ward or heart intensive care ward.
- Do not use your wireless router in medical space where wireless device is prohibited.

#### **4.1.3 Storage environment**

- Do not place magnetic storage media such as magnetic card and floppy disk near to it, as its radiation may erase the information saved in them.
- Do not place your router and its accessories in a vessel containing intense magnetic field like an electromagnetic oven or microwave oven, or otherwise it may result in malfunction of the router and even a fire or explosion.
- Do not leave your router in extremely cold or hot places, or otherwise it may result in product failure, fire or explosion.
- Do not allow your router to suffer severe bumping or electric shock, and doing so may cause wireless instrument failure, superheat or explosion

#### **4.1.4 Children safety**

- Place your router out of children's reach. Do not allow children to use it without directions.
- Do not allow children to put it into mouth cavity.
- Keep the accessories out reach of children. Otherwise, children may swallow them and may lead to choking or difficult swallowing.

#### **4.1.5 Operating environment**

- It is not water-resistant, so please keep it dry. Prevent it from contact with water and steam. Do not touch it with wet hands, and doing so may result in short circuit, product failure or electric shock.
- Do not use it in dusty, humid and messy places or place with magnetic field, or otherwise a line fault may be resulted.
- Do not use it outdoor in a thunder and lightning storm.
- It may interfere the nearby TV set, radio receiver and computer.
- According to the international radio frequency standard, only accessories approved by the manufacturer can be used.

#### **4.1.6 Cleaning and maintenance**

- Before cleaning or maintaining it, please shut it off and disconnect it from power, or otherwise a short circuit or electric shock may occur.
- Never clean it with chemical detergent, detergent powder or other chemical agents (such as alcohol and benzene), or otherwise a partial damage or fire may occur. Wipe

it with a antistatic dampish soft cloth.

- Never scratch its enclosure, or otherwise the uncased paint may result in skin allergy. Once this case occurs, immediately stop using it and go to a doctor.

If it or any of its accessories does not work, please consult the local authorized service center for help.