1 Obtaining More Information

Thanks for purchasing the WS880 802.11ac Wireless Router (WS880 for short).

This quick start will show you how to connect your WS880 to a network and access the Internet. The figures in this guide are for reference only. The appearance and display features may vary slightly depending on the actual product version.
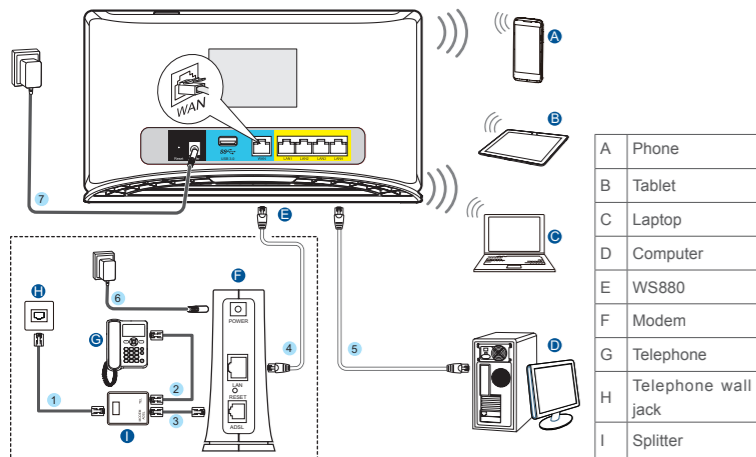
For the full user guide, visit http://www.huaweidevice.com. Enter **WS880** in the website search box and press **Enter**.

Please visit www.huaweidevice.com/worldwide/support/hotline for recently updated hotline and email address in your country or region.

Packing list:
1 x WS880, 1 x power adapter, 1 x network cable, 1 x Quick Start and 1 x Warranty Card.

2 Connecting Cables

Connect your devices in the sequence indicated in the following figure.

A	Phone
B	Tablet
C	Laptop
D	Computer
E	WS880
F	Modem
G	Telephone
H	Telephone wall jack
I	Splitter

When configuring the WS880 for the first time, use a network cable to connect the WS880 to a computer.

3 Powering On

With all the cables connected, plug the power adapter into the wall-mounted power outlet to power on the WS880. After the WS880 is powered on, the WS880 indicator turns on.

The following table lists how the indicators behave when the WS880 is operating correctly. If the indicators do not behave as expected, ensure that everything is plugged in correctly.

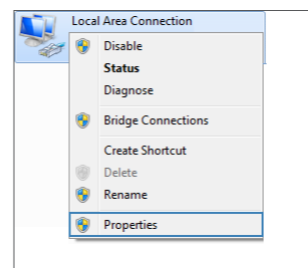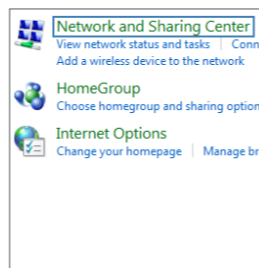| Indicator	Expected State	
	Starting up	Working
USB	Steady off	• Steady off (No USB device connected to the USB port) • Steady on (USB device connected to the USB port)
LAN	Steady on	• Steady off (No LAN port connected to a computer) • Steady on (any of the LAN1 to LAN4 ports connected to a computer)
INTERNET	Steady on	• Steady off (WAN port not connected to a network) • Steady on (WAN port connected to a network) • Blinking (WAN interface is connecting to the network)
WLAN	Steady on	• Steady off (WLAN enabled) • Steady on (WLAN disabled) Press the WLAN button (more than 3 seconds) to enable/disnable WLAN.
WPS	Steady off	• Steady off (WPS disabled) • Blinking (WPS enabled) Press the WPS button(less than 3 seconds) to start WPS negotiation.
(power icon)	Steady on	• Steady off (WS880 powered off) • Steady on (WS880 powered on)

After the WS880 power adapter is plugged into a wall-mounted power outlet:
• Touch the (power) icon to turn all the indicators off or on.
• Touch and hold the (power) icon for more than 2 seconds to power the WS880 off or on.
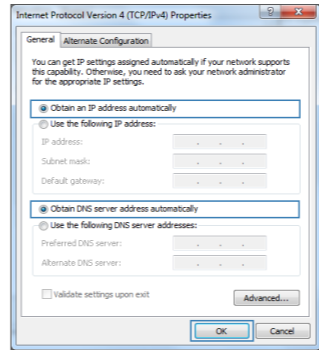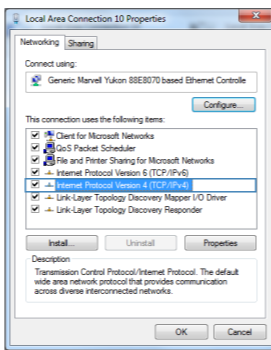
4 Setting the Computer IP Address

The following example uses Windows 7 to describe how to set the computer IP address:

1. Choose **Start** > **Control Panel** > **Network and Internet** > **Network and Sharing Center**.

2. Choose **Change adapter settings**. Right-click **Local Area Connection** and choose **Properties**.

3. Double-click **Internet Protocol Version 4 (TCP/IPv4)**.

4. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click **OK**.

5 Quick Setup

1. Open a browser. In the address box, enter **http://mediarouter.home**. Press **Enter**. Enter the login user name (**admin** by default) and password (**admin** by default). Click **Login**.

2. On the **Home** tab, click **Connect to The Internet**. Then select a network connection type and set network parameters based on the network provided by your Internet service provider.

You can choose **Connect automatically**, WS880 will automatically select the network connection type.

3. On the **Home** tab, click **Connect to Internet by WLAN**, set WLAN parameters, Click **Save** to complete the configuration.
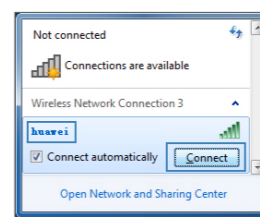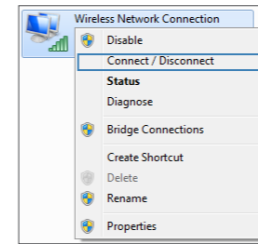
To protect against unauthorized access, change your user name and password after the first login.

6 Wireless Connection Setup

The following example uses Windows 7 to describe how to set up a wireless connection:

To obtain the default SSID and key, check the label on the rear panel. To better secure your WLAN, promptly change the SSID and key.
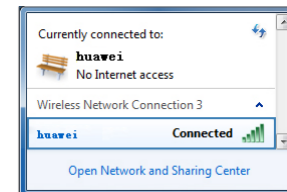
1. Choose **Start** > **Control Panel** > **Network and Internet** > **Network and Sharing Center** > **Change adapter settings**. Right-click **Wireless Network Connection**, and choose **Connect / Disconnect**.

2. From the wireless network list, select the WLAN provided by the WS880. Click **Connect**.

3. In the displayed dialog box, enter the WLAN key and click **OK**.

4. In the wireless network list, check the WLAN connection status. If the status is **Connected**, the computer is wirelessly connected to the WS880.

• After the SSID and key had been changed, your computer should use the new ones to establish a wireless connection to the WS880.
• By default, WLAN has enabled. When you don't use it, you can press the WPS/WLAN button (more than 3 seconds) to disnable/enable WLAN.

7 QR Code Scanning

To use this function, your phone or tablet must have a QR code scanner installed.

You can use your phone or tablet to manage and configure your WS880. To do so:

Use the QR code scanner on your Android-based phone or tablet to scan the QR code on the security token card that pulls out from the top of the WS880. Enter **RuMate** in the search box to download the Huawei RuMate software. With Huawei RuMate installed, your phone or tablet is ready to manage and configure your WS880.

If your phone or tablet is running iOS or Windows Mobile, download Huawei RuMate from the App Store or Windows Phone Store.

8 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 orpacemakers. 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.

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 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. 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.
> 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 20cm 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 25cm and the distance between the device should be greater than 30cm.

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.

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.
> If your device 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 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.
> 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.
> 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.
> Avoid collision, which may lead to device malfunctions, overheating, fire, or explosion.
> 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.
> 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. In case of damage, contact an authorized service center for assistance or repair.

Disposal and recycling information

This symbol (with or without a solid bar) on the device, batteries (if included), and/or the packaging, indicates that the device and its electrical accessories (for example, a headset, adapter, or cable) and batteries should not be disposed of as household garbage. These items should not be disposed of as unsorted municipal waste and should be taken to a certified collection point for recycling or proper disposal.

For more detailed information about device or battery recycling, contact your local city office, household waste disposal service, or retail store.

Disposal of the device and batteries (if included) is subject to WEEE Directive Recast (Directive 2012/19/EU) and Battery Directive (Directive 2006/66/EC). The purpose of separating WEEE and batteries from other waste is to minimize the potential environmental impacts and human health risk of any hazardous substances that may be present.

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 1999/5/EC.

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

The following marking is included in the product:

$C\epsilon0678①$

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.

Restrictions in the 5 GHz band:

WLAN function of this device is restricted only to indoor use when operating in the 5150 to 5350 MHz frequency range.

WS880 802.11ac Wireless Router

Quick Start

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