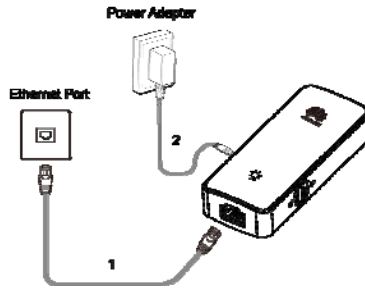


WS331a 300Mbps Mini Wireless Router Quick Start

1 Connecting Cables

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




2 Setting up a Wireless Connection

Before setting up the wireless connection, please make sure that the wireless safety lock is on **Off** status. The wireless configuration software provided by Windows is used as an example to describe how to set up a wireless connection.




To obtain the default SSID, check the label on the rear panel. If the SSID and key have been changed, use the new ones.

On Windows 7

- Step 1** Click  in the lower right corner of your desktop.
- Step 2** From the wireless network list, select the WLAN provided by the WS331a. Click **Connect**.
- Step 3** In the displayed dialog box, enter the WLAN password and click **OK**.
- Step 4** In the wireless network list, check the WLAN connection status. If the status is **Connected**, the computer is wirelessly connected to the WS331a.

On Windows XP

- Step 1** Click  in the lower right corner of your desktop.

Step 2 From the wireless network list, select the WLAN provided by the WS331a. Click **Connect**.

Step 3 In the displayed dialog box, enter the WLAN password and click **Connect**.

Step 4 In the wireless network list, check the WLAN connection status. If the status is **Connected**, the computer is wirelessly connected to the WS331a.

3 Setting the WS331a

Step 1 Open a browser. In the address box, enter **http://192.168.3.1**. Press **Enter**.

Step 2 Enter the login user name (**admin** by default) and password (**admin** by default). Click **Login**.



To protect against unauthorized access, change the user name and password after the first login. For details, see chapter 4 "Maintenance Guide".


Step 3 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**, and WS331a will automatically select the network connection type.

Step 4 On the **Home** tab, click **Connect to Internet by WLAN**, set WLAN parameters, Click **Save** to complete the configuration.

Step 5 Reconnect your computer to the WS331a using the new SSID and key.

After setting up the wireless connection, you can set the wireless safety lock to  status to protect against unauthorized wireless connection.

4 Maintenance Guide

Changing the Web Management Page User Name and Password

The correct user name and password are required to log in to the web management page. Regular changes to the web management page user name and password can effectively prevent unauthorized users from logging in and modifying important parameters.

Step 1 Log in to the web management page.

Step 2 In the navigation tree, choose **Account Management**.

Step 3 Select **Change Password** configuration page.

Step 4 In **Username**, Select the user account you want to modify.

Step 5 In **Current password**, enter the currently used password.

Step 6 In **New password**, enter a new password, in **Confirm password**, enter the new password again.

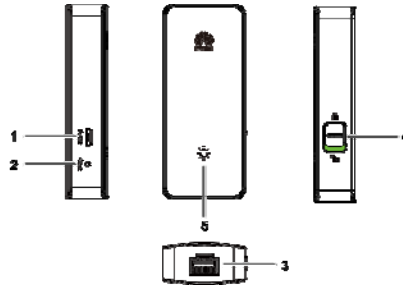
Step 7 Click **Save**.


After the user name and password are changed, the login page is displayed. Enter your new user name and password to log in.





If you forget the password, you can press and hold the **Reset** button for 6 seconds or more, then the user name and password of the web management page will back to factory value. This operation will make your own configuration data lost, please perform this operation with caution.

Appearance



No.	Name	Description
1	Power Port	Used to connect to the power adapter.
2	Reset Button	Restores the WS331a to its default settings.  NOTE To restore the WS331a to its default settings, press and hold the Reset button for over 6 seconds. After the WS331a is restored to its default settings, all user customized data will be lost. Use this function only when necessary.
3	LAN Port	Router Mode: connects to an Ethernet device that provides Internet access, such as a modem or switch. Repeater Mode: connects to Ethernet devices, such as computers, set-top boxes (STBs), and switches.

No.	Name	Description
4	Wireless safety lock	 Reject new wireless device connecting to the WS331a.  All wireless device can connect to the WS331a using the correct SSID and Key.
5	Status Indicator	Steady on: the WS331a is powered on. Blinking: the WS331a is being powered. Off: the WS331a is powered off.

Obtaining More Information

This quick start guide will show you how to connect your WS331a 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://consumer.huawei.com/en/>. Enter **WS331a** 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.

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.

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. 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.

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 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



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.

Reduction of hazardous substances

This device is compliant with the REACH Regulation [Regulation (EC) No 1907/2006] and RoHS Directive Recast (Directive 2011/65/EU). Batteries (if included) are compliant with the Battery Directive (Directive 2006/66/EC). For up-to-date information about REACH and RoHS compliance, please visit the web site www.huaweidevice.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 1999/5/EC.

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

The following marking is included in the product:

CE0678

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.

Български: Снастоящето, Huawei Technologies Co., Ltd. декларира, че това безжично устройство е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 1999/5/EC.

Česky: Huawei Technologies Co., Ltd. tímto prohlašuje, že tento Radio LAN device je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Dansk: Undertegnede Huawei Technologies Co., Ltd. erklærer herved, at følgende udstyr Radio LAN device overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF

Nederlands: Hierbij verklaart Huawei Technologies Co., Ltd. dat het toestel Radio LAN device in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG

Bij deze Huawei Technologies Co., Ltd. dat deze Radio LAN device voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

English: Hereby, Huawei Technologies Co., Ltd., declares that this Radio LAN device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Eesti: Käesolevaga kinnitab Huawei Technologies Co., Ltd. seadme Radio LAN device vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Suomi: Valmistaja Huawei Technologies Co., Ltd. vakuuttaa täten että Radio LAN device tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Français : Par la présente Huawei Technologies Co., Ltd. déclare que l'appareil Radio LAN device est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Deutsch: Hiermit erklärt Huawei Technologies Co., Ltd., dass sich dieser/diese/dieses Radio LAN device in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMW).

Hiermit erklärt Huawei Technologies Co., Ltd. die Übereinstimmung des Gerätes Radio LAN device mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien).

Ελληνική: με την παρούσα Huawei Technologies Co., Ltd. δηλώνει ότι radio LAN device συμμορφώνεται προς τις ουσιαστικές απαιτήσεις και τις λοιπές σχετικές διατάξεις της οδηγίας 1999/5/εκ.

Magyar: Alulírott, Huawei Technologies Co., Ltd. nyilatkozom, hogy a Radio LAN device megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Italiano: Con la presente Huawei Technologies Co., Ltd. dichiara che questo Radio LAN device è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Latviski: Ar šo Huawei Technologies Co., Ltd. deklarē, ka Radio LAN device atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių: Šiuo Huawei Technologies Co., Ltd. deklaruoja, kad šis Radio LAN device atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Malti: Hawnhekk, Huawei Technologies Co., Ltd., jiddikjara li dan Radio LAN device jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Polski: Niniejszym Huawei Technologies Co., Ltd. oświadcza, że Radio LAN device jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Português: Huawei Technologies Co., Ltd. declara que este Radio LAN device está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Romană: Huawei Technologies Co., Ltd. declară că acest dispozitiv fără fir respectă cerințele esențiale precum și alte dispoziții relevante ale Directivei 1999/5/EC.

Slovensky: Huawei Technologies Co., Ltd. týmto vyhlasuje, že Radio LAN device spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Slovensko: Huawei Technologies Co., Ltd. izjavlja, da je ta radio LAN device v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Español: Por medio de la presente Huawei Technologies Co., Ltd. declara que el Radio LAN device cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE

Svenska: Härmed intygar Huawei Technologies Co., Ltd. att denna Radio LAN device står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Türk: Huawei Technologies Co., Ltd. bu kablosuz cihazın temel gereksinimleri ve 1999/5/EC yonergesindeki ilgili koşulları karşıladığını beyan eder.

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

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-Alesund.

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.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and consider removing the no-collocation statement.

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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To better understand how we protect your personal information, please see the privacy policy at <http://consumer.huawei.com/en/privacy-policy/index.htm>.