Tenda

User Guide



300Mbps Wireless N Access Point

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Conventions

Thank you for choosing Tenda! Please read this user guide before you start. This user guide instructs you to install and configure the router.

Typographical conventions in this User Guide:

Item	Presentation	Example
Button	Bold	"Click the Save button" can be simplified as "Click **Save**".
Menu	Bold	"The menu Basic" can be simplified as **Basic**.
Continuous Menus	>	Click **Wireless > Basic**

Symbols in this User Guide:

Item	Meaning
Note	This format is used to highlight information of importance or special interest. Ignoring this type of note may result in ineffective configurations, loss of data or damage to device.
Tip	This format is used to highlight a procedure that will save time or resources.

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1 Product Overview

Package Contents

Open the package and verify that the following items are included:

- Wireless AP
- Power Adapter
- PoE Injector
- Ethernet Cable
- Install Guide
- GNU

If any item is incorrect, missing, or damaged, please contact your dealer for immediate replacement.

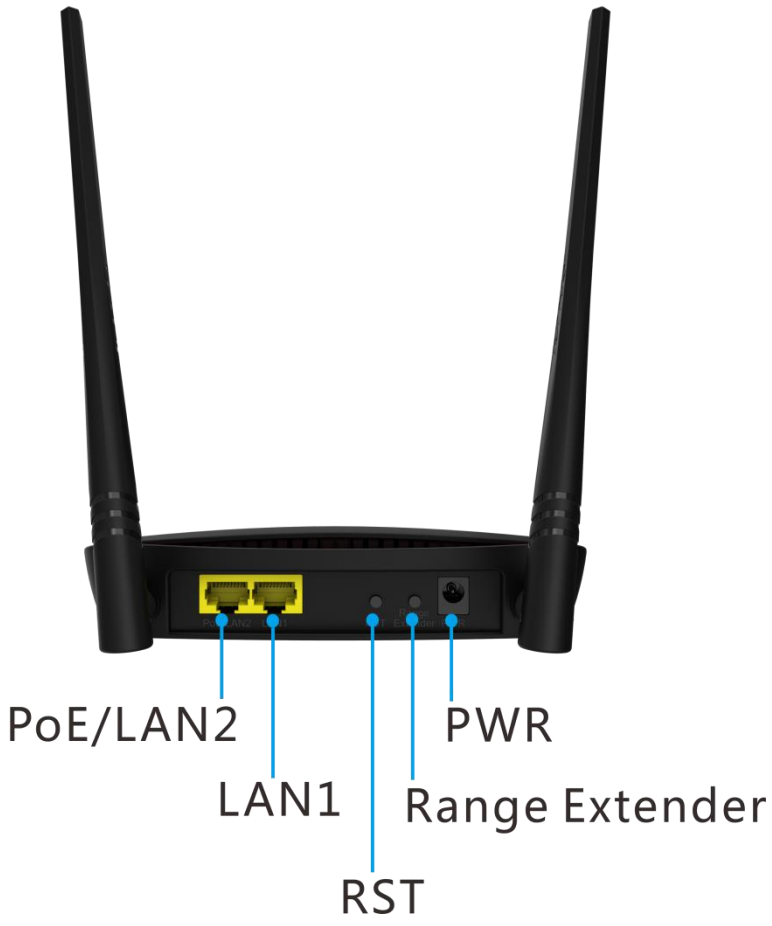
Hardware Description

Front Panel



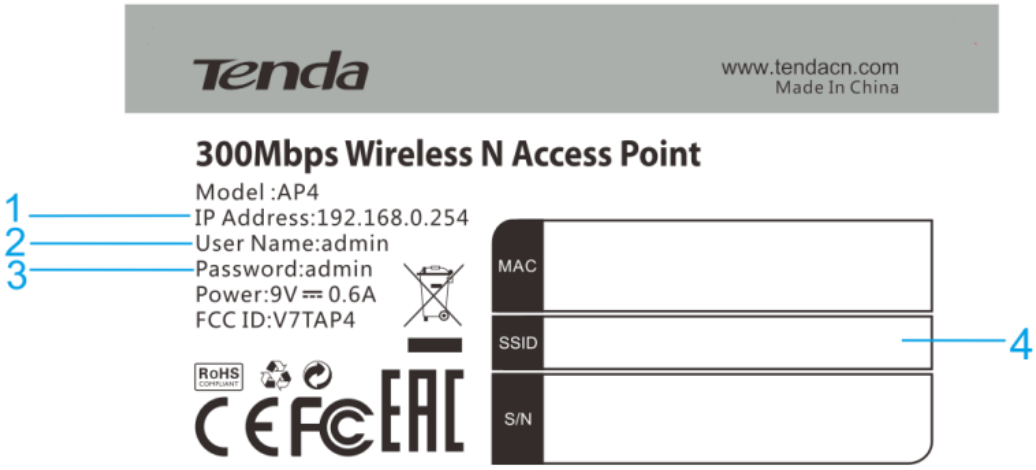
LED	Status	Description
SYS	Off	Malfunction occurs or the device is not powered on.
	Blinking	The device is working properly.
WPS	Off	WPS is disabled or WPS authentication negotiation is completed.
	Blinking	The device is negotiating with the uplink ADSL Modem or Wi-Fi Router.
Bridge (Not apply to **AP mode**)	Off	Not bridged
	Solid	Bridged successfully
WiFi	Off	WiFi is disabled.
	Solid	WiFi is enabled.
	Blinking	Data is being transmitted wirelessly.
LAN1/LAN2	Off	There is no device linked to the corresponding port.
	Solid	There is a device linked to the corresponding port but no activity.
	Blinking	Data transmission is occurring on the corresponding port.

Back Panel



Port/Button	Description
PoE/LAN2	1) PoE port for connecting to the included PoE injector for power supply. 2) 100Mbps Ethernet LAN port for connecting to the local device, like a computer, a switch, etc.
LAN1	100Mbps Ethernet LAN port for connecting to the local device, like a computer, a switch, etc.
RST	Pressing it for over **7** seconds restores this device to its factory defaults.
Range Extender	Used for boosting Wi-Fi range. Press and hold it (for **3** seconds) until the **WPS** LED blinks and the device starts to bridge the uplink ADSL modem or Router. The **Bridge** LED turns on when bridged successfully, and the **WPS** LED will be off.
PWR	Used for connecting to the included power adapter for power supply.

Label



1. Default login IP address for web login of this device.
2. Default login user name.
3. Default login password.
4. SSID: Default WiFi name of this device which you will need when connecting to your WiFi.

2 Quick Internet Setup

Step 1: Connect the AP for Configuration

Note:

If the AP deployment location is far away from the power outlet, you can refer to the Power over Ethernet (PoE) solution in appendix A With PoE Setup.

1. Connect the AP to power supply.
2. Connect to the AP with the Ethernet cable or via wireless. For connecting to it wirelessly, see appendix B Connect to Your WiFi.



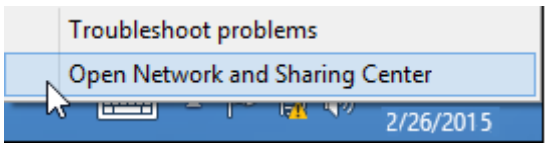
Step 2: Configure IP on Your PC

Windows 8

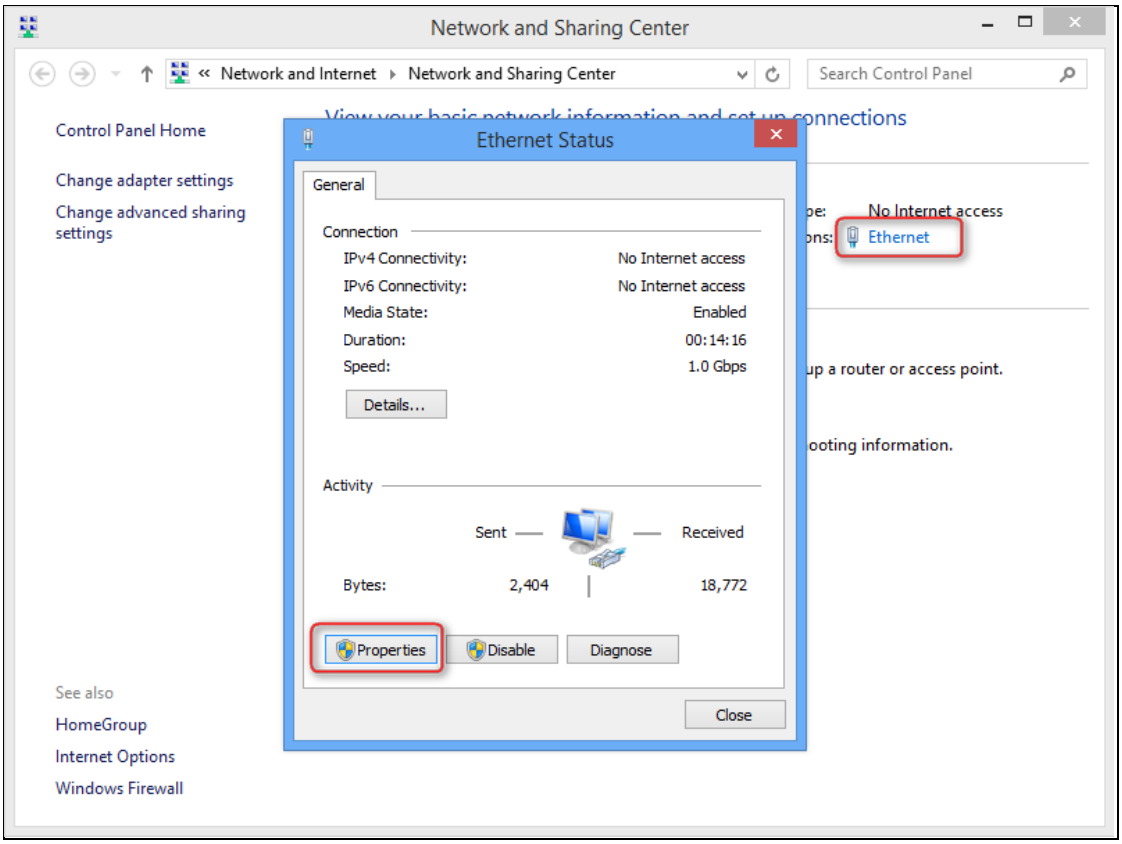
1. Right click the icon on the bottom right corner of your desktop.



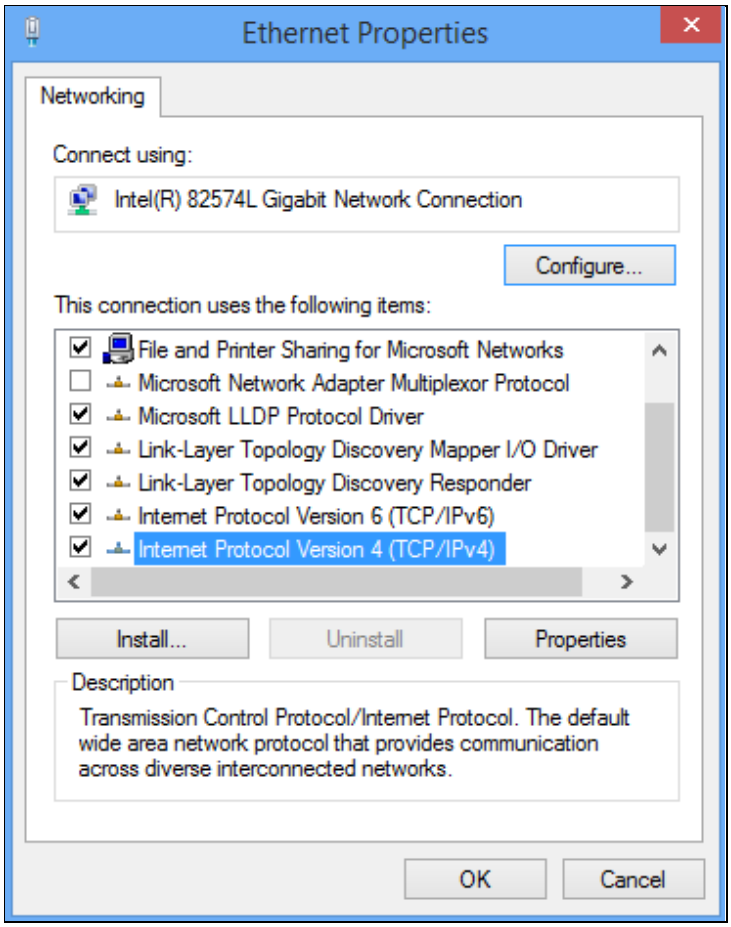
2. Click **Open Network and Sharing Center**.



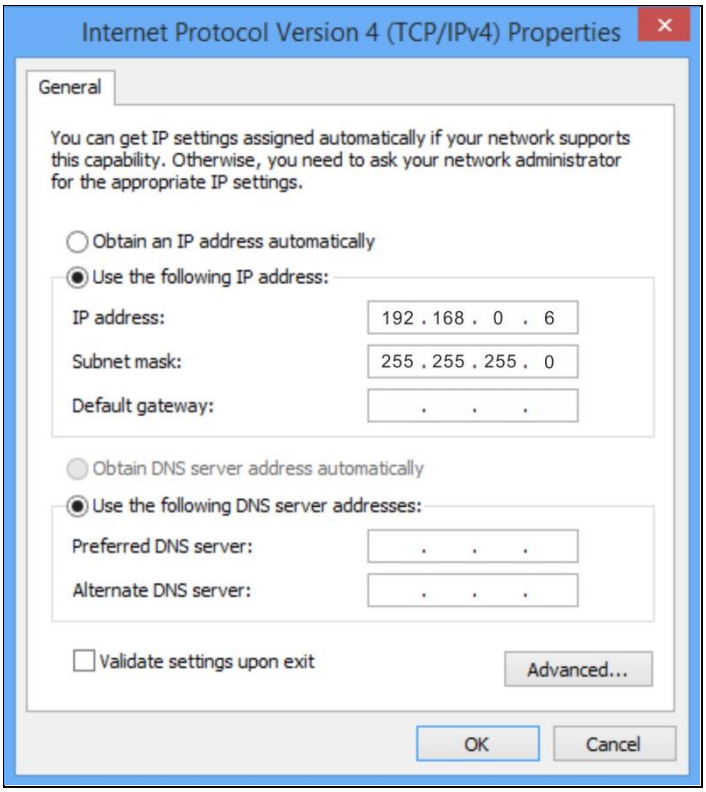
3 Click **Ethernet > Properties**.



4 Find and double click **Internet Protocol Version 4(TCP/IPv4)**.



5 Select **Use the following IP address**, type in the IP address: **192.168.0.x** (2~253), Subnet mask: **255.255.255.0** and click **OK**.

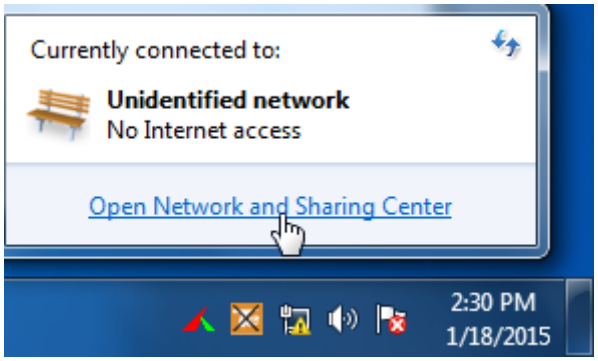


6 Click **OK** on the **Ethernet Properties** window.

Windows 7

1 Click the icon on the bottom right corner of your desktop.

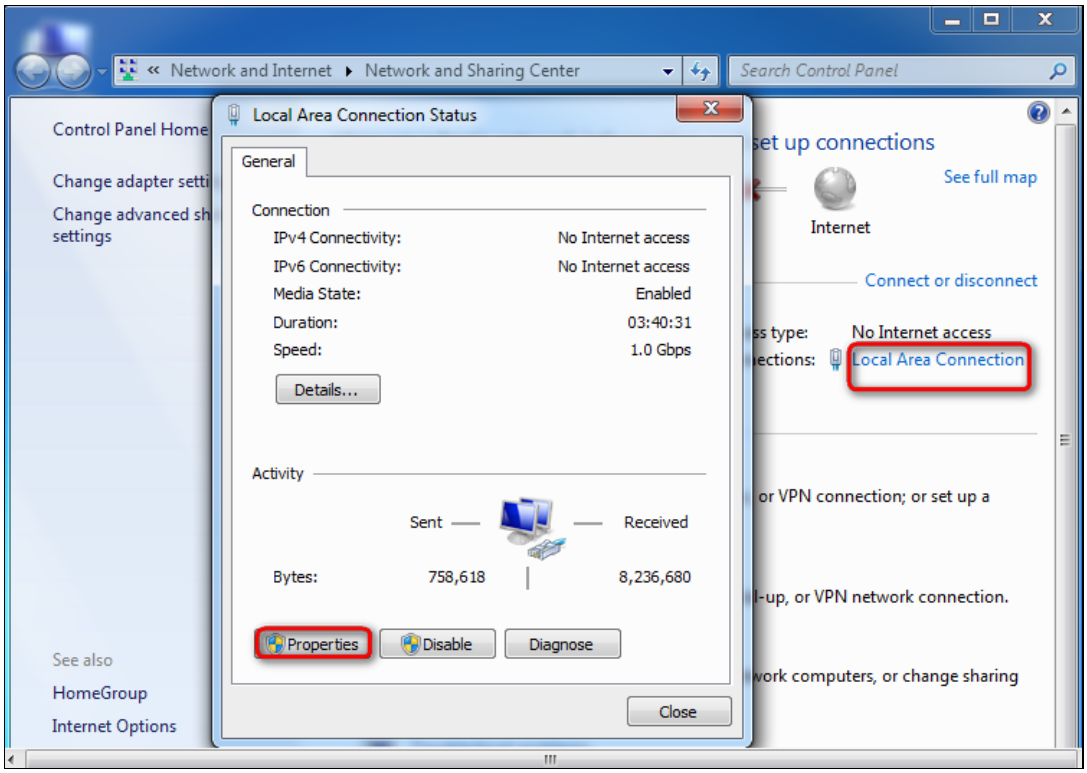
2 Click **Open Network and Sharing Center**.



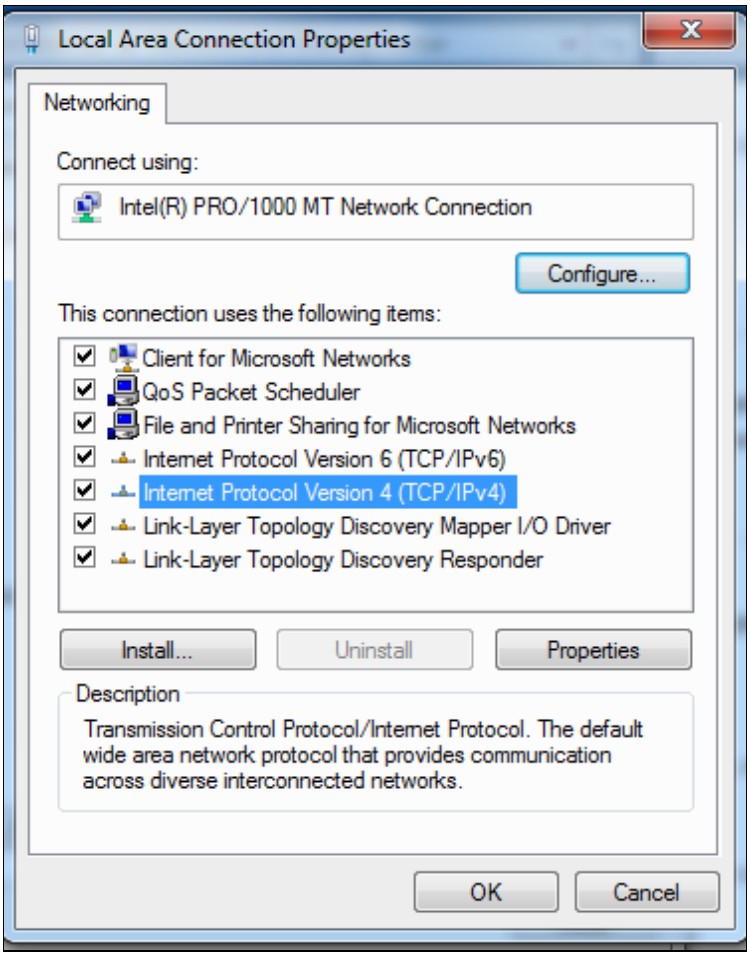
Tip

If you cannot find the icon on the bottom right corner of your desktop, follow steps below: Click **Start** > **Control Panel** > **Network and Internet** > **Network and Sharing Center**.

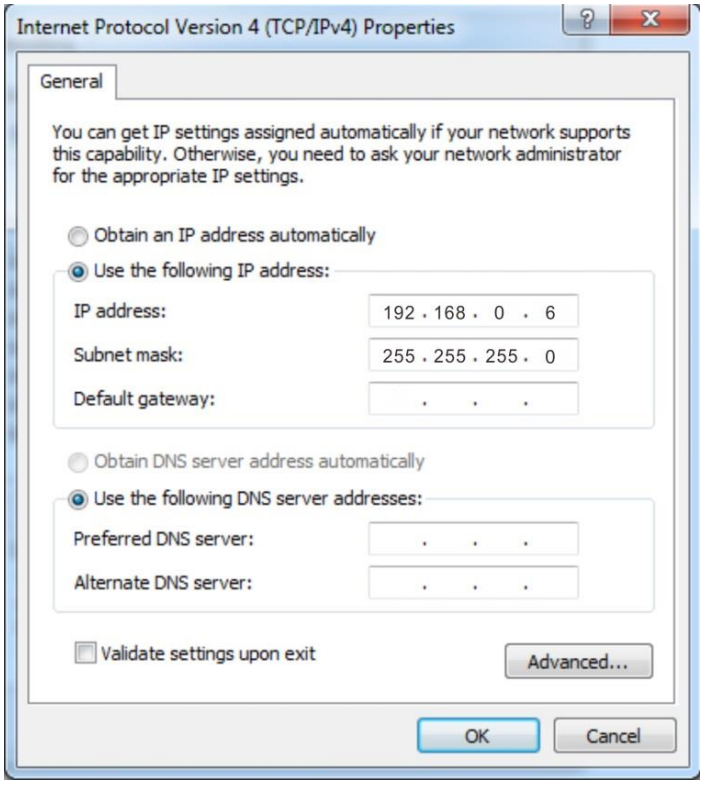
3 Click **Local Area Connection > Properties**.



4 Find and double click **Internet Protocol Version 4(TCP/IPv4)**.



5 Select **Use the following IP address**, type in the IP address: **192.168.0.x** (2~253), Subnet mask: **255.255.255.0** and click **OK**.



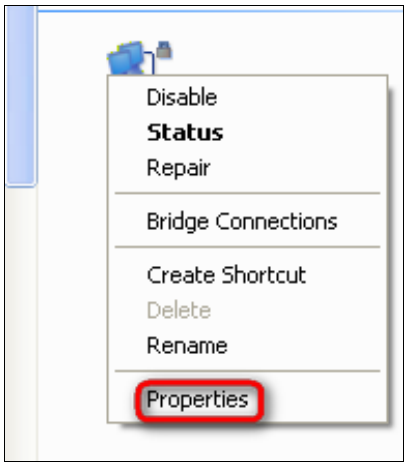
6 Click **OK** on the **Local Area Connection Properties** window.

Windows XP

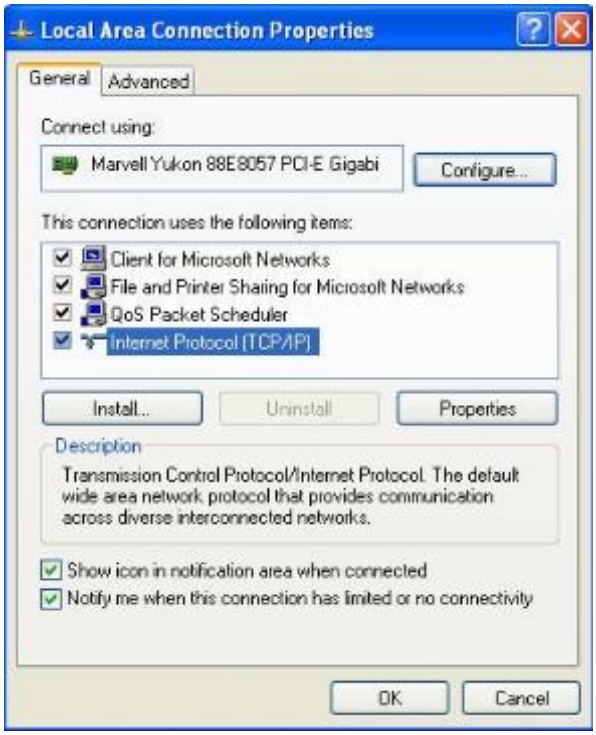
1 Right click **My Network Places** on your desktop and select **Properties**.



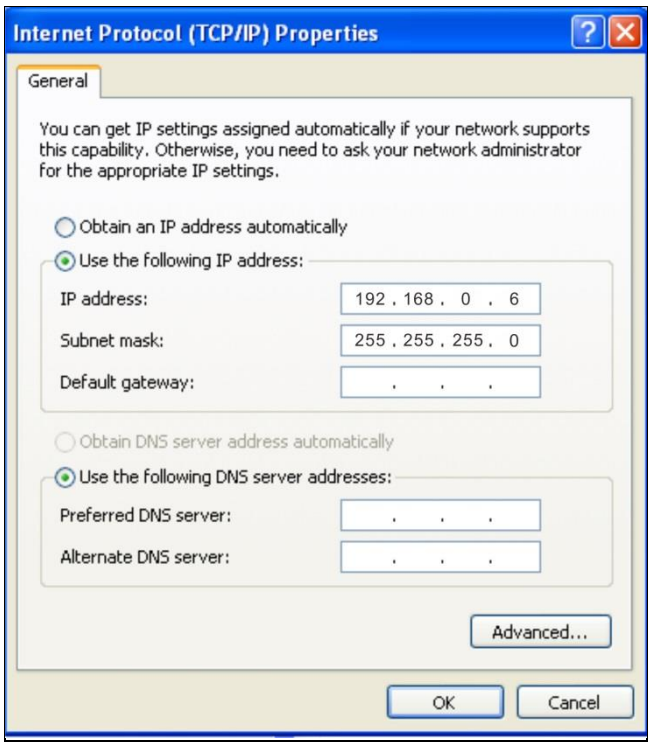
2 Right click **Local Area Connection** and select **Properties**.



3 Scroll down to find and double click **Internet Protocol (TCP/IP)**.



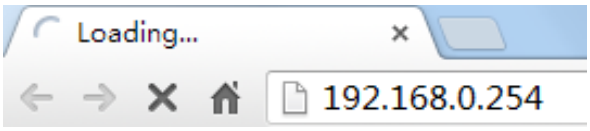
4 Select **Use the following IP address**, type in the IP address: **192.168.0.x** (2~253), Subnet mask: **255.255.255.0** and click **OK**.



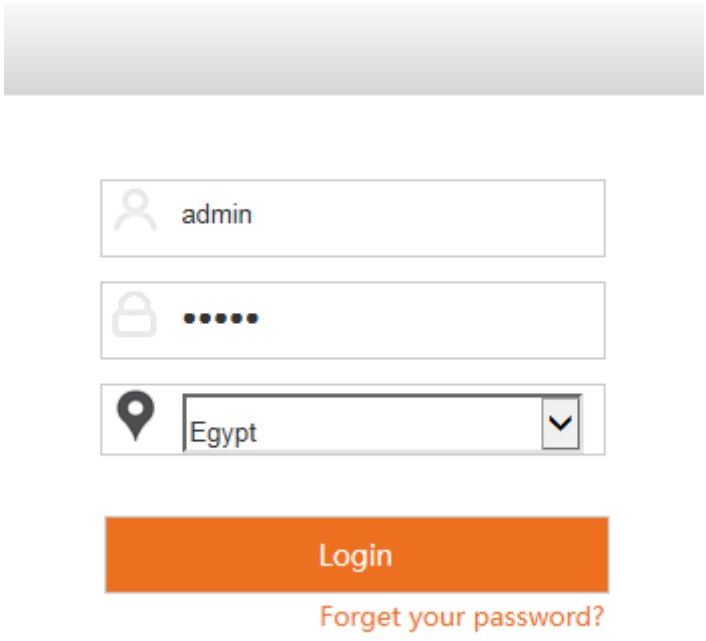
5 Click **OK** on the **Local Area Connection Properties** window.

Step 3: Login to Its Web Manager

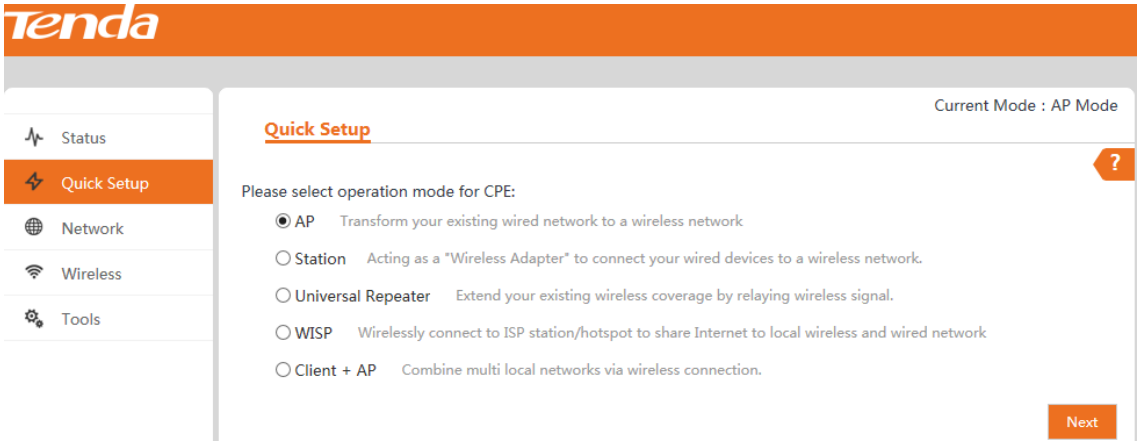
1. Input **192.168.0.254** in a web browser's address bar, and then press **Enter** or **Return** on your keyboard.



2. Enter the default user name and password (**admin** for both) and click **Login**.



3. Please select the proper operating mode according to your needs and click **Next** to finish mode settings.



5 modes are available here. Next we will introduce them one by one.

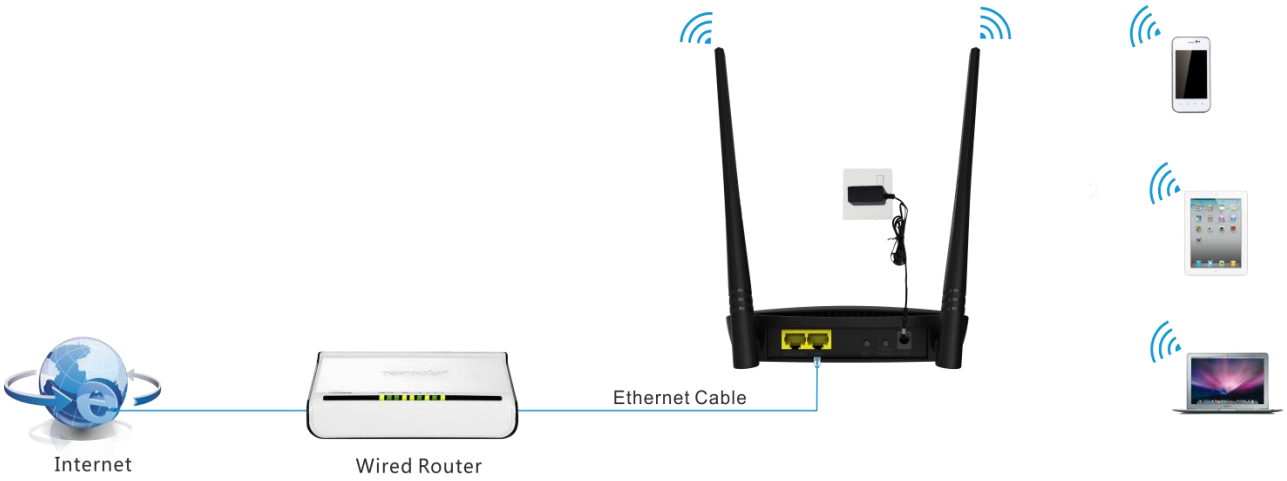
Tip:

After successful login, for your network security, it is advisable to modify your login user name, password and LAN IP address. For details, see How to Change the Login User Name and Password and How to Change the LAN IP Address. Once you've changed the login user name, password and LAN IP address, do remember to use the new ones to login to its web manager.

Step 4: Configure the Operation Mode

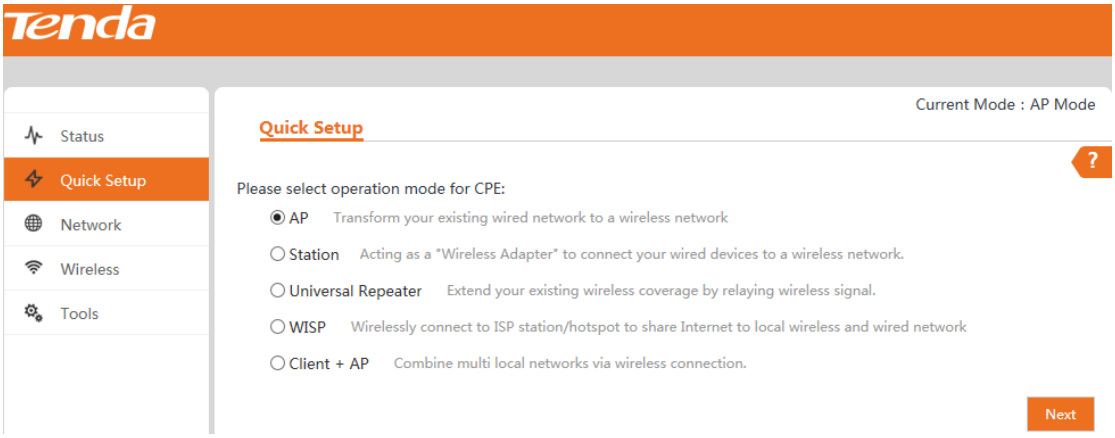
AP Mode

In this mode, this device works as an access point to transform your existing wired network into a wireless network.

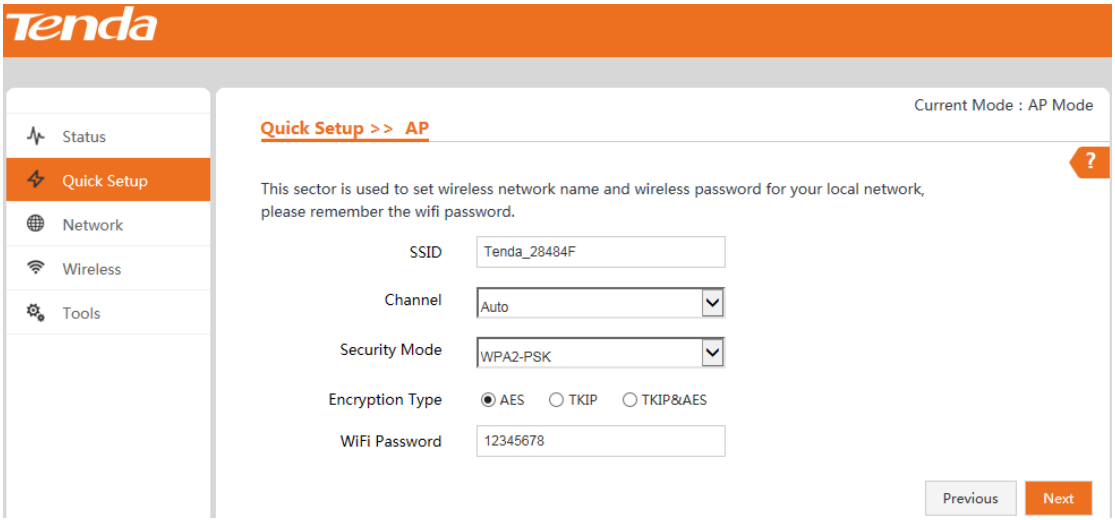


Settings:

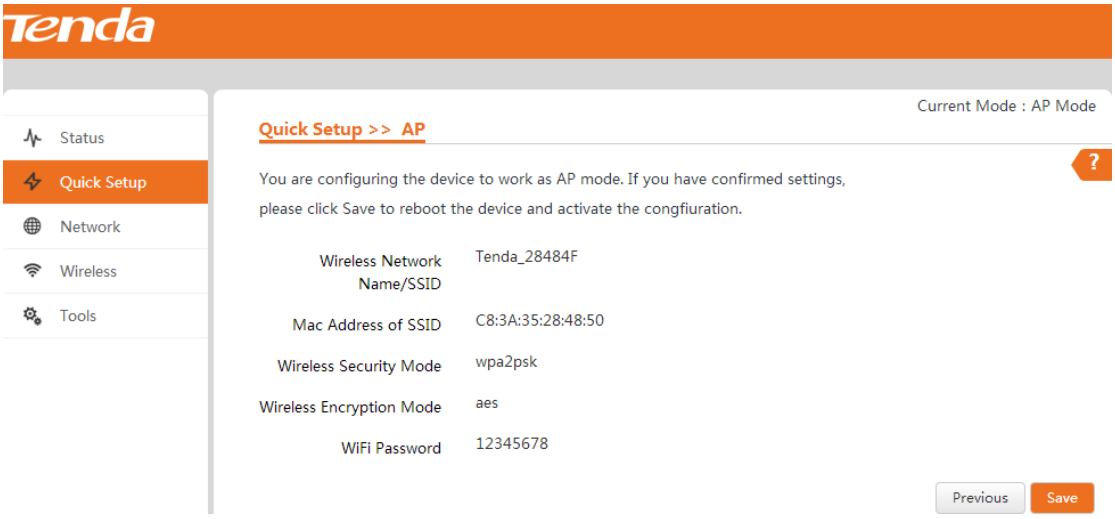
1 Select **AP** mode on **Quick Setup** page and click **Next**.



2 Set a WiFi name and WiFi password for your local network and click **Next**.



3 Note down your WiFi name and password on this page and click **Save** to apply your settings. Wait until the device restarts successfully.



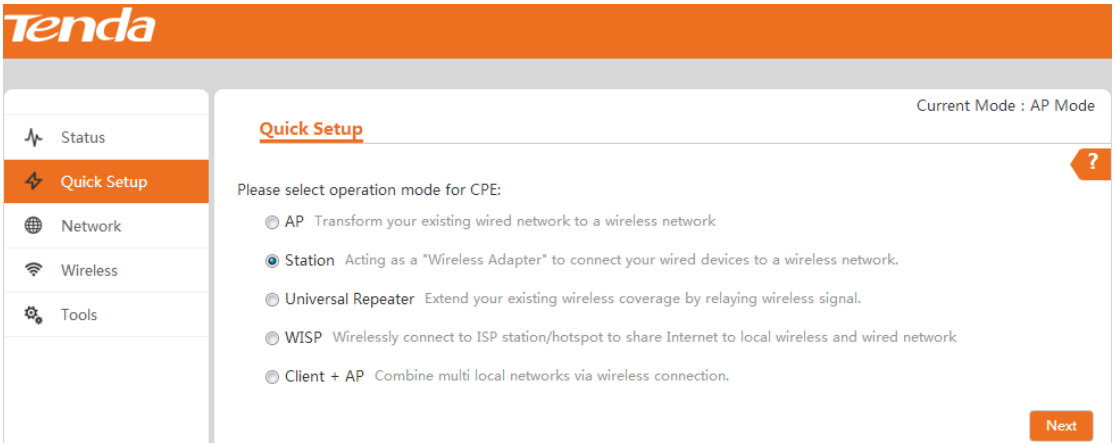
Station Mode

In this mode, the AP will work as an adapter to connect your wired devices to a wireless network.

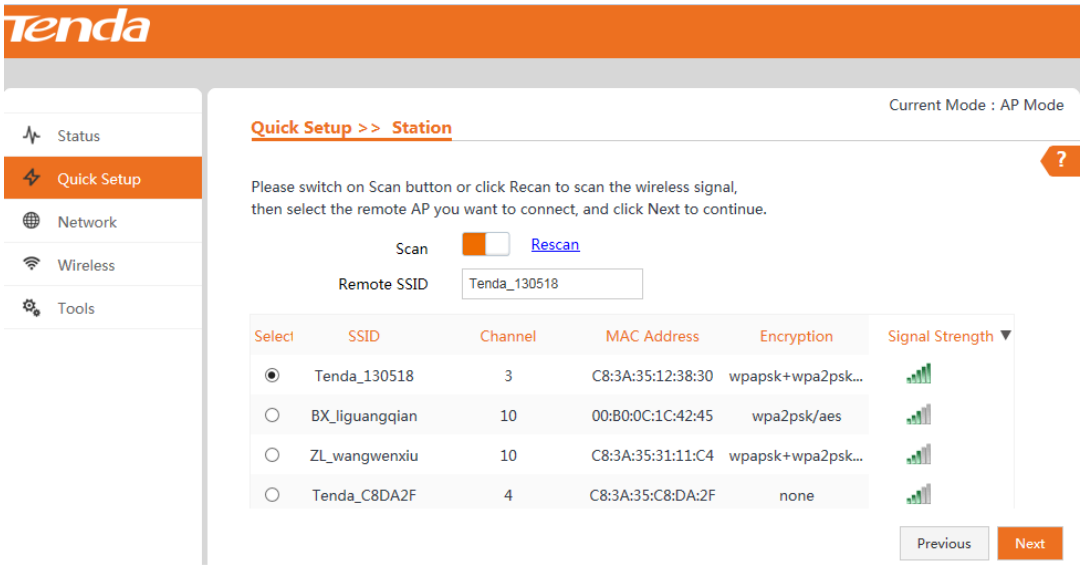


Settings

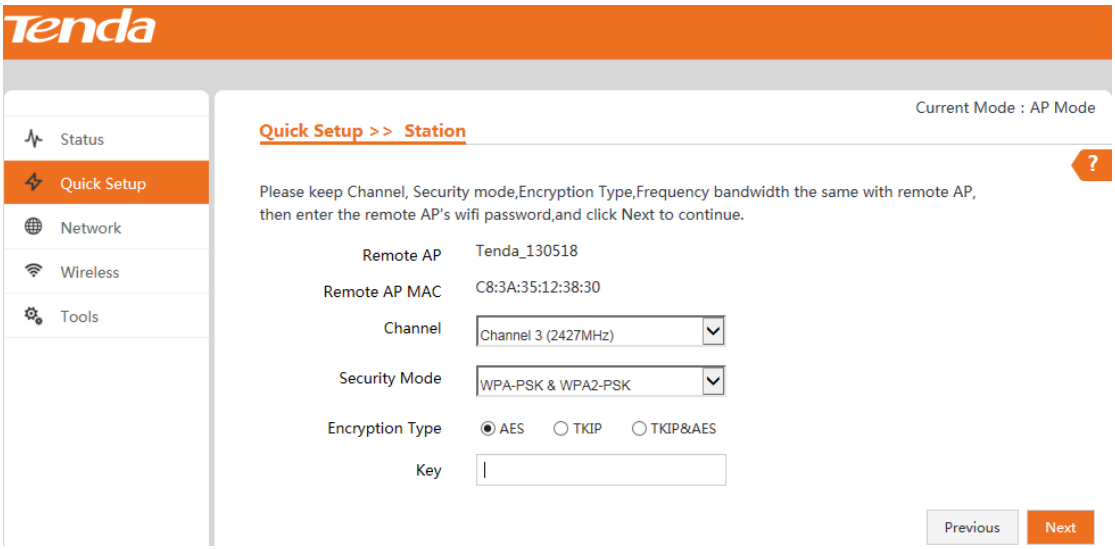
1 Select **Station** mode on **Quick Setup** page and click **Next**.



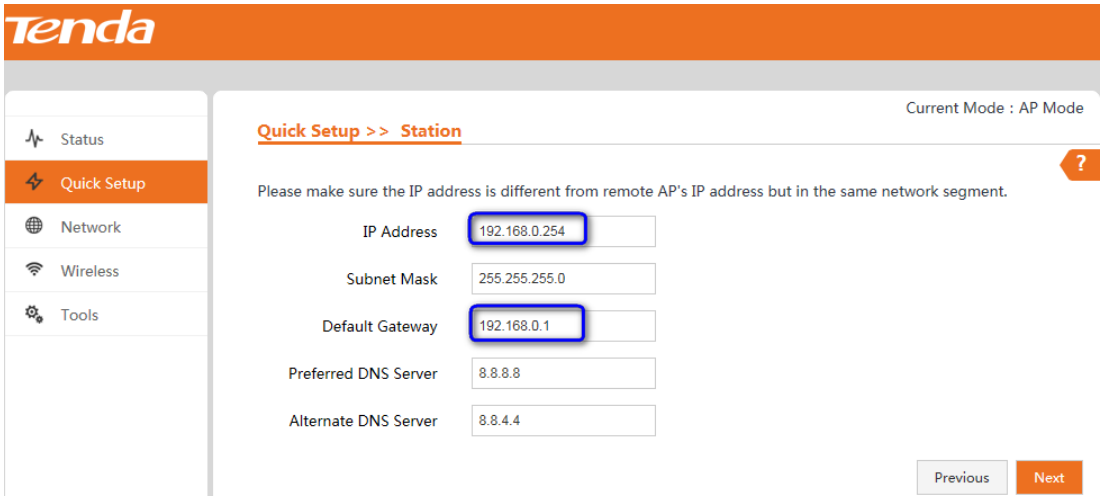
2 Click the **Scan** button, select the remote SSID (WiFi name) and click **Next**.



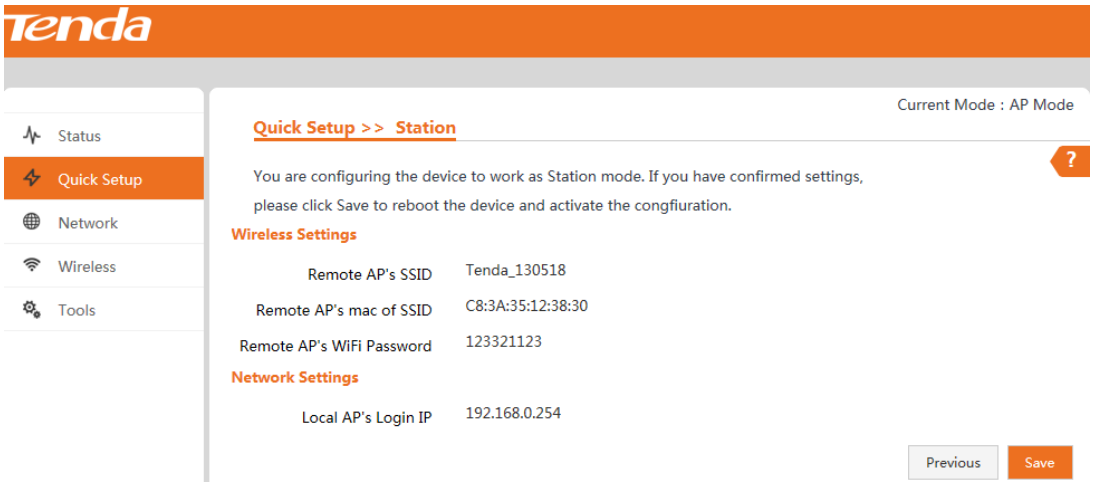
3 The security mode will be selected automatically, please confirm it and enter the WiFi password of the uplink ADSL modem or router in the **Key** field and click **Next**.



4 Make sure that the IP address is a different one but on the same network segment as that of the uplink ADSL modem or router and then click **Next**.



5 Note down your SSID (WiFi name) and WiFi password on this page and click **Save** to apply your settings. Wait until the device restarts successfully.



Universal Repeater Mode

In this mode, the AP can extend the WiFi range of the uplink ADSL modem or router. It's an ideal solution for large house, villa, eatery, store, etc. As compatibility problems may exist among routers of different manufacturers, it is not advisable to bridge a device from other manufacturers.



Settings

- **Method 1: Boost WiFi Range via Button**

Note:

1. As for this method, there should be a WPS button on the uplink ADSL modem or router.

1 Press the WPS button on the uplink ADSL modem or router until the WPS LED blinks.



2 Within 2 minutes, press the **Range Extender** button on the AP4 for **3** seconds until the **WPS** LED is blinking.

Then the AP will start to connect to the ADSL modem or Router.

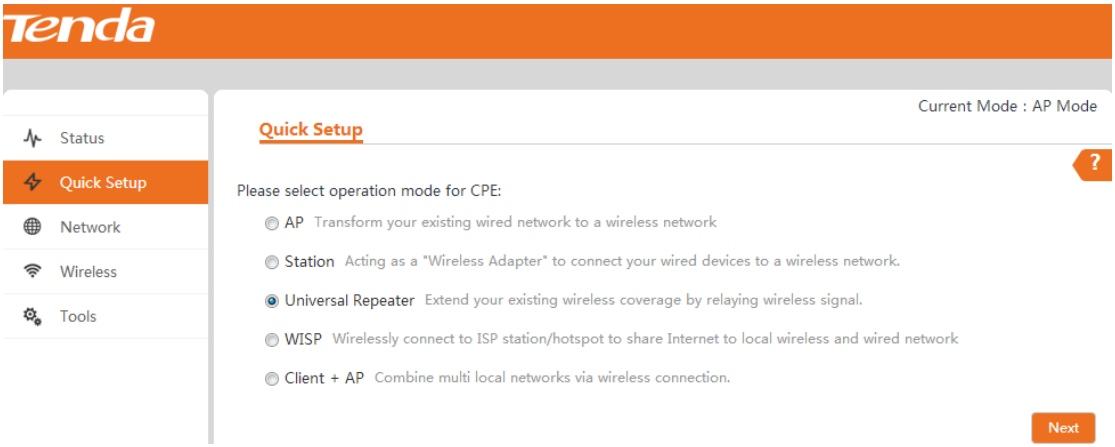




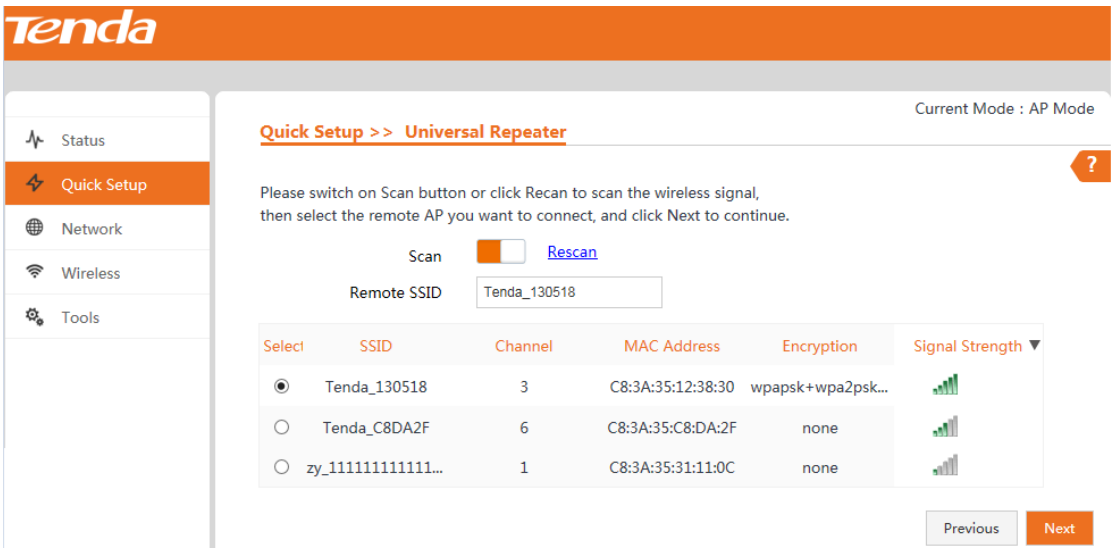
3 The AP connects to the ADSL modem or router successfully when the **Bridge** LED is on.

Method 2: Boost WiFi Range via Web UI

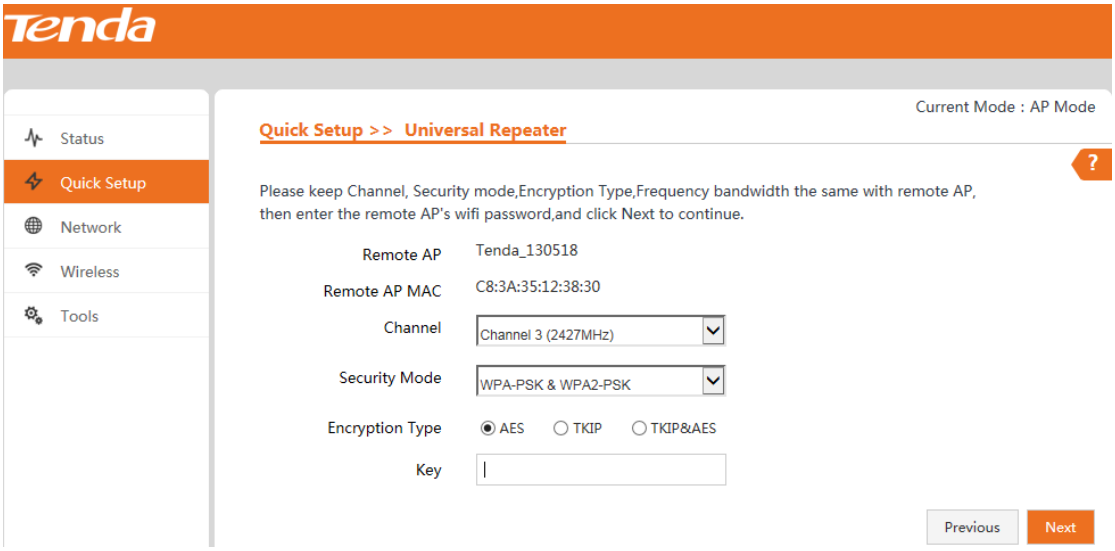
1 Select **Universal Repeater** mode on **Quick Setup** page and click **Next**.



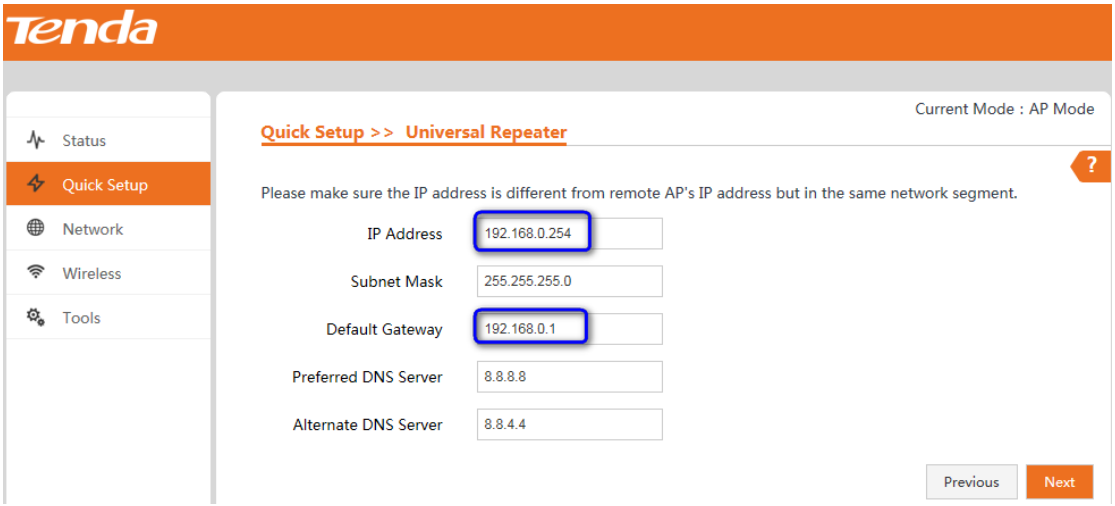
2 Click the **Scan** button, select the remote SSID (WiFi name) from the list and click **Next**.



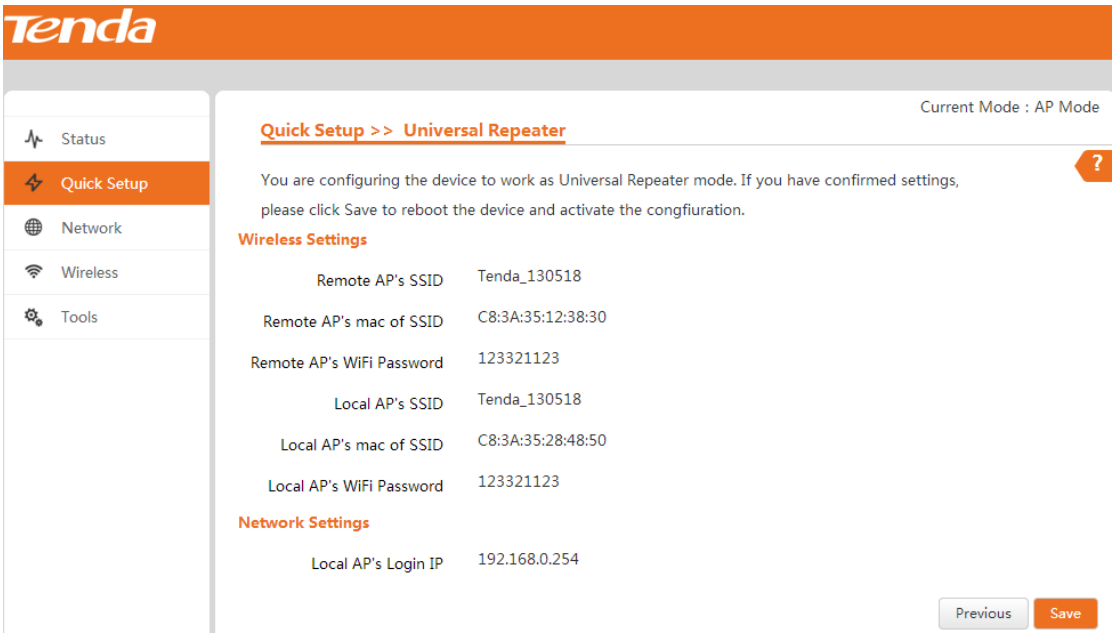
3 The security mode will be selected automatically, please confirm it and enter the WiFi password of the uplink ADSL modem or router in the **Key** field and click **Next**.



4 Make sure the IP address is a different one but on the same network segment as that of the uplink ADSL modem or router and click **Next**.



5 Note down your SSID (WiFi name) and WiFi password on this page and click **Save** to apply your settings. Wait until the device restarts successfully.



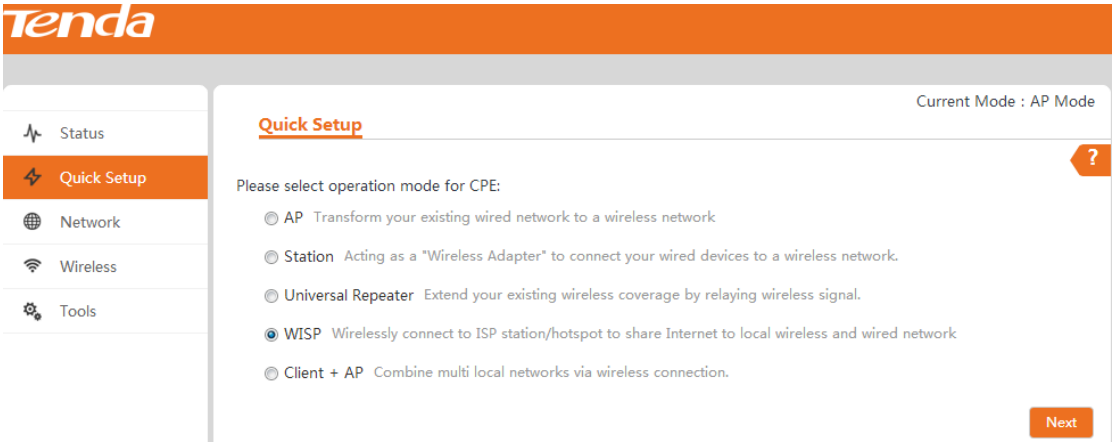
WISP Mode

In this mode, this device connects to ISP station or hotspot wirelessly to share network with local wireless and wired devices. It is an ideal solution for residential districts.

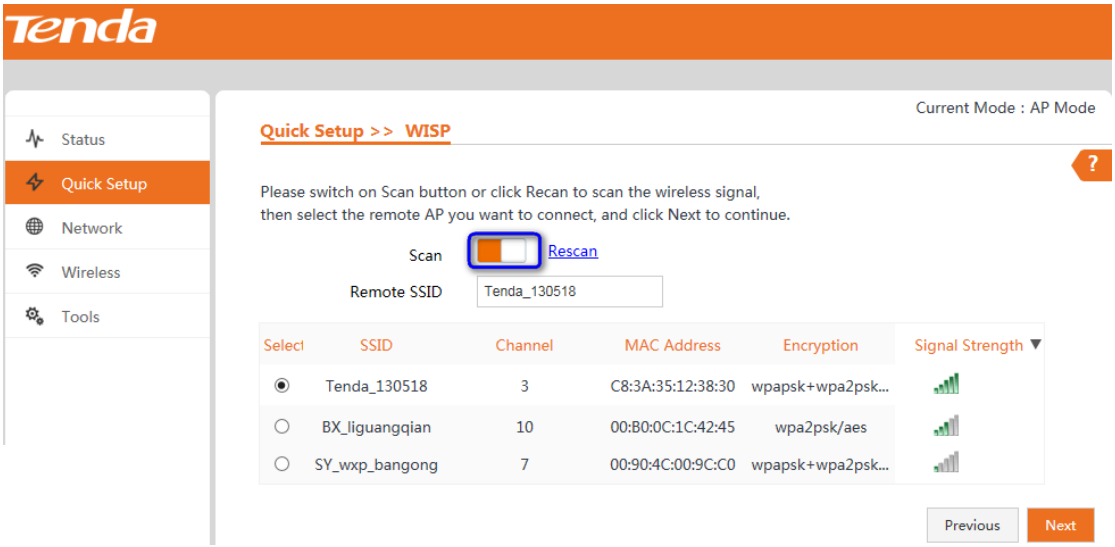


Settings

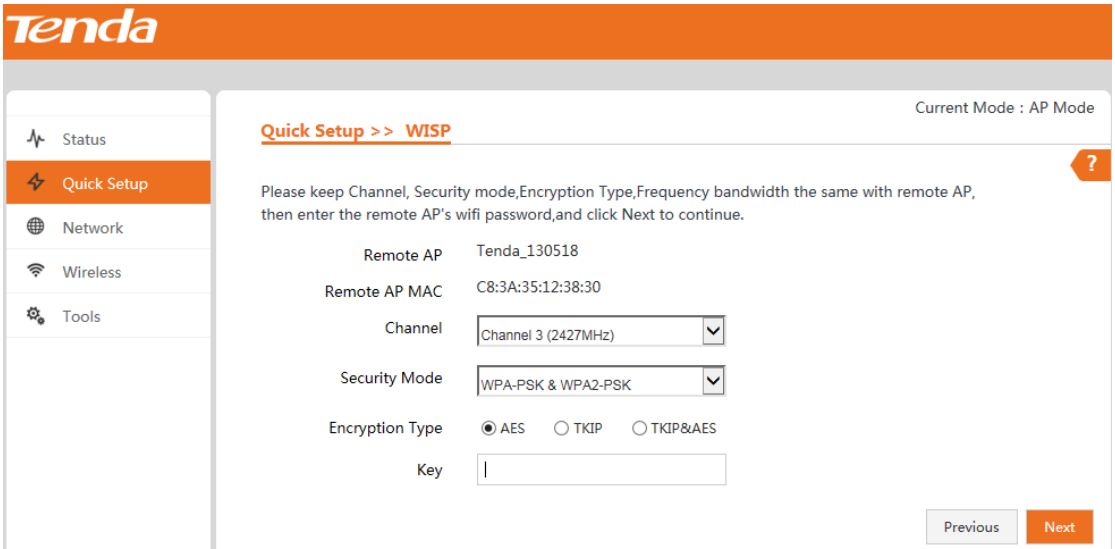
1 Select **WISP** mode on **Quick Setup** page and click **Next**.



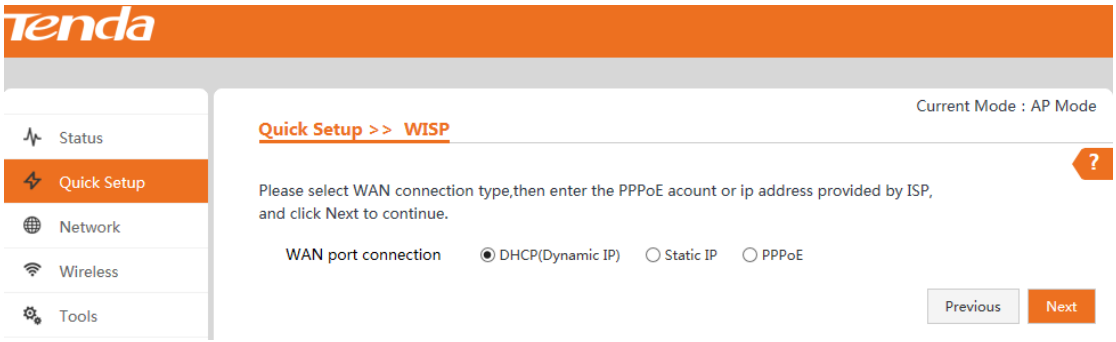
2 Click the **Scan** button, select the remote SSID (WiFi name) you wish to and click **Next**.



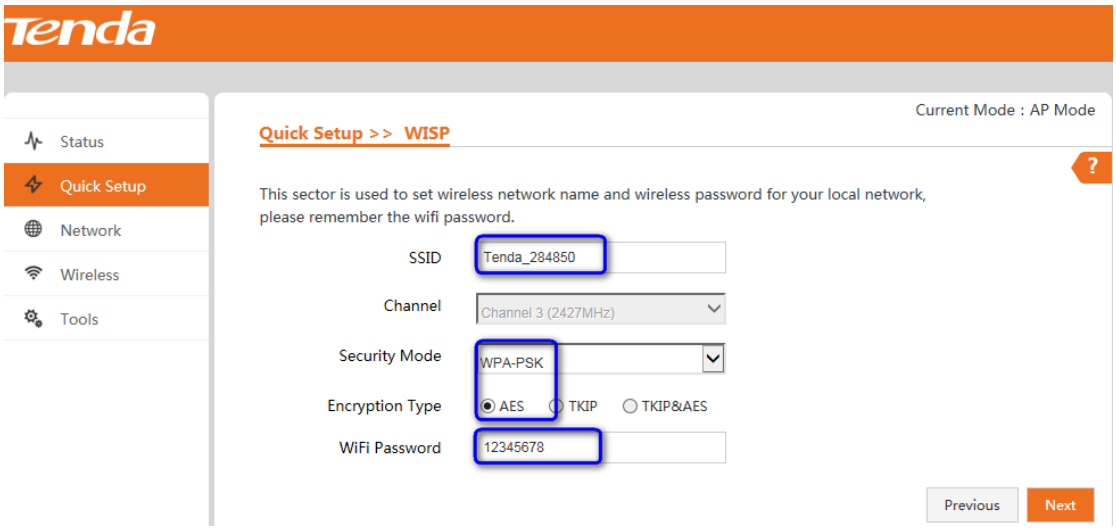
3 The security mode will be selected automatically, please confirm it and enter the WiFi password of the uplink ADSL modem or router in the **Key** field and click **Next**.



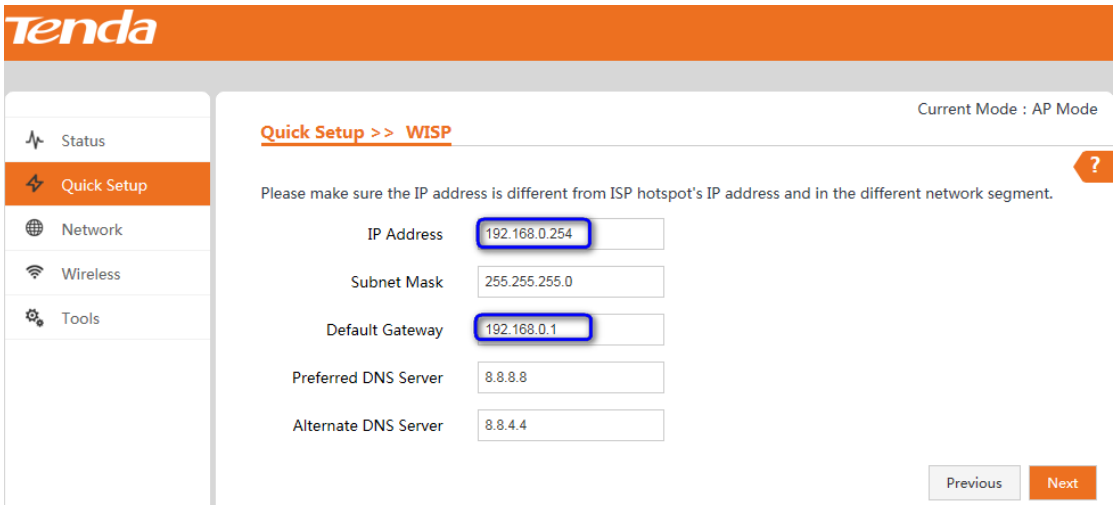
4 Select the WAN connection type according to your needs, finish corresponding Internet setups, and then click **Next**.



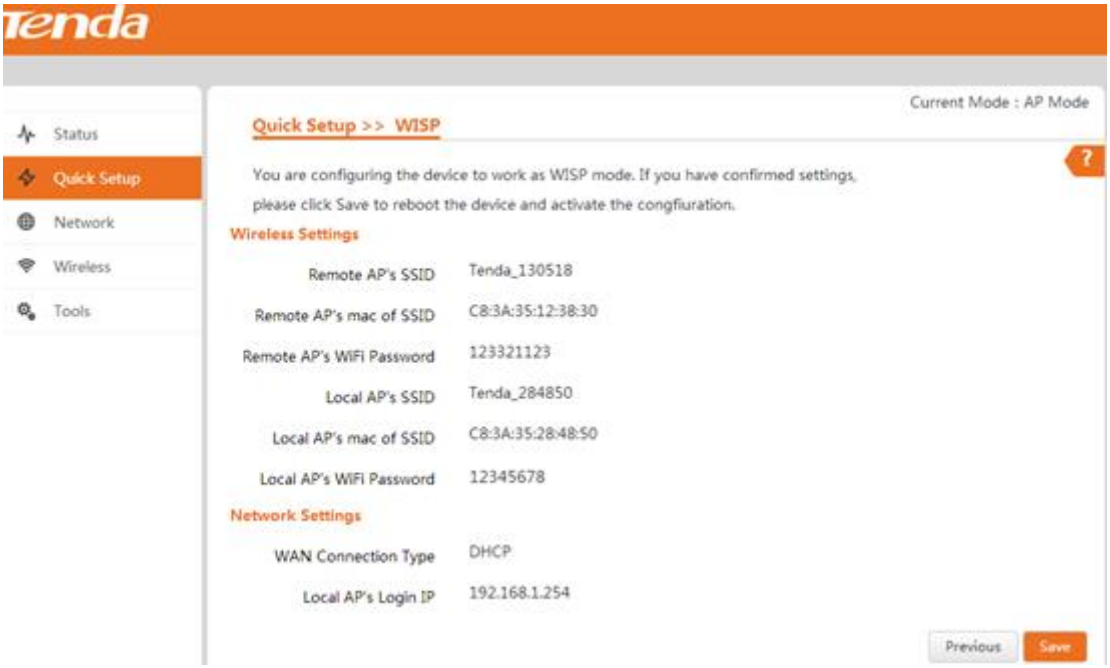
5 Customize your SSID (WiFi name), configure security settings for your SSID and click **Next**.



6 Make sure that the IP address is on a different network segment from that of the ISP hotspot and then click **Next**.



7 Note down your SSID (WiFi name) and WiFi password on this page and click **Save** to apply your settings. Wait until the device restarts successfully.



Client + AP Mode

This mode is very similar to universal repeater mode, in which the AP can extend the WiFi range of the uplink ADSL modem or router by relaying wireless signal. Broadly, the biggest difference between these two modes is that you can customize your local WiFi name and network security settings in client + AP mode.

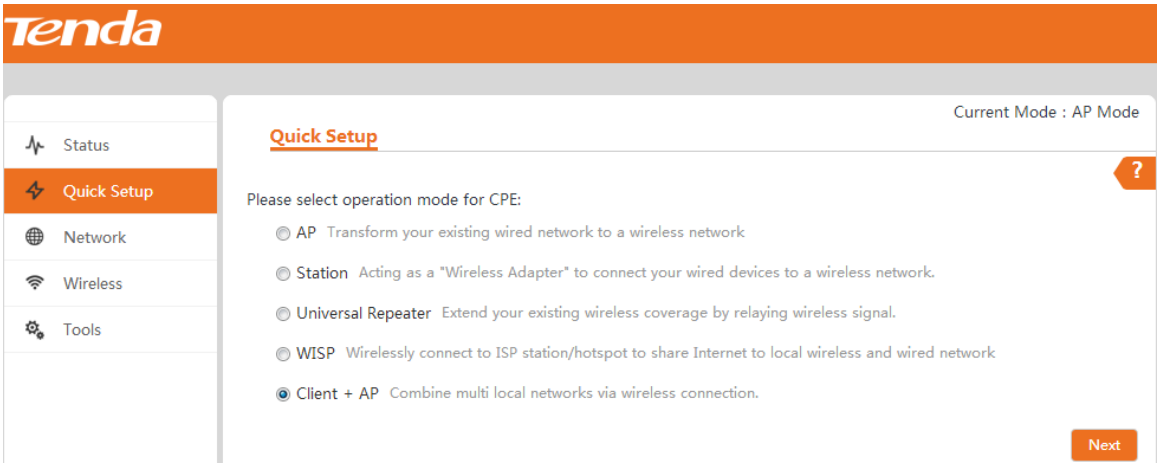


Note:

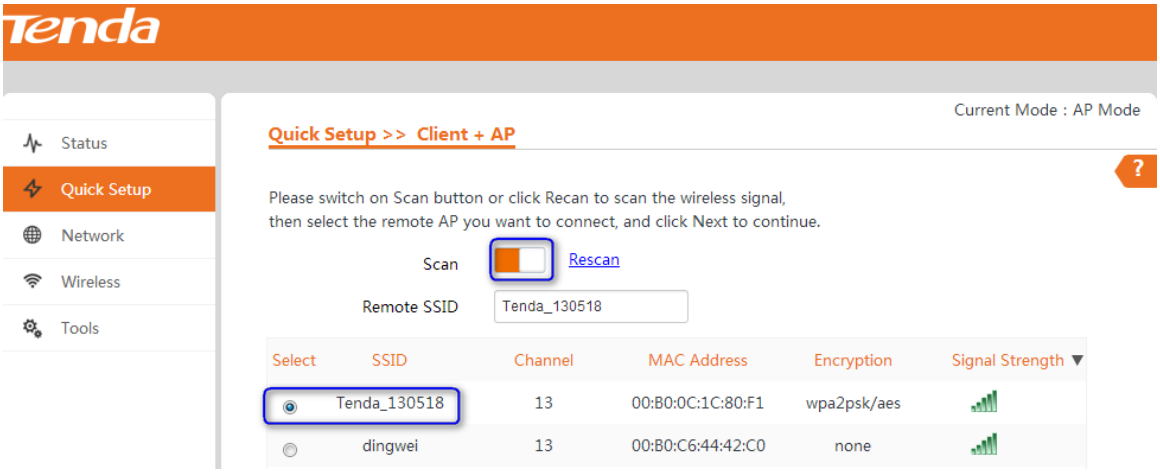
As compatibility problems may exist among routers of different manufacturers, it is not advisable to bridge a device from other manufacturers.

Settings

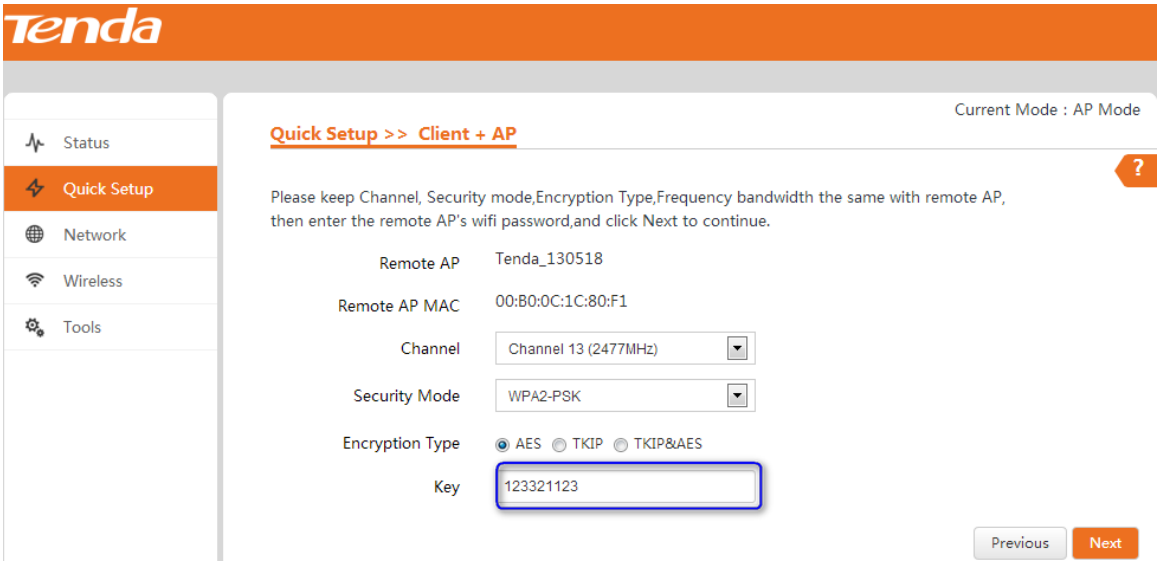
1 Select **Client +AP** mode on **Quick Setup** page and click **Next**.



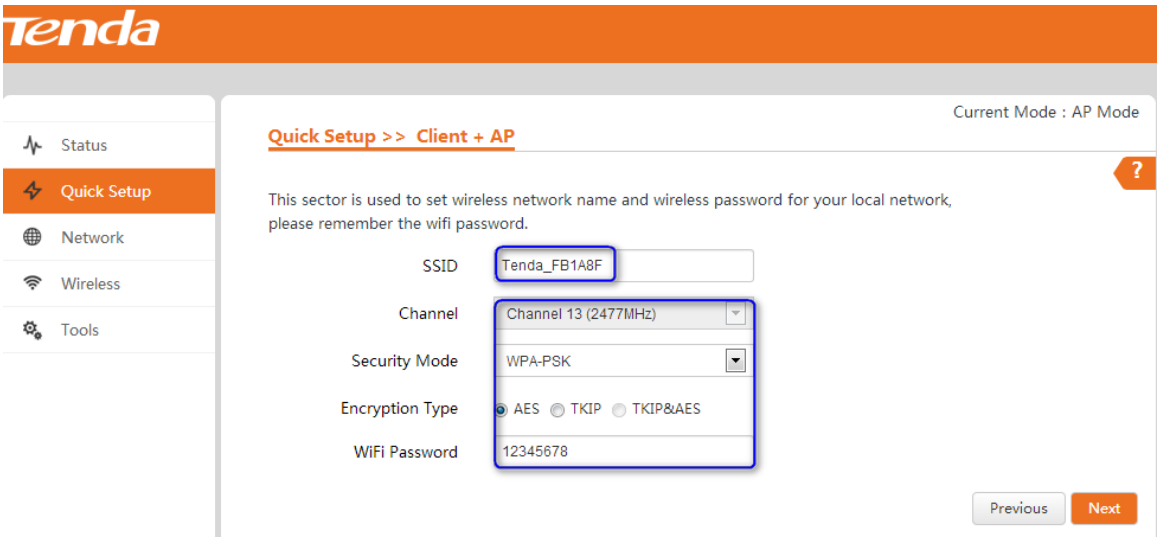
2 Click the **Scan** button, select the remote SSID (WiFi name) you wish to and click **Next**.



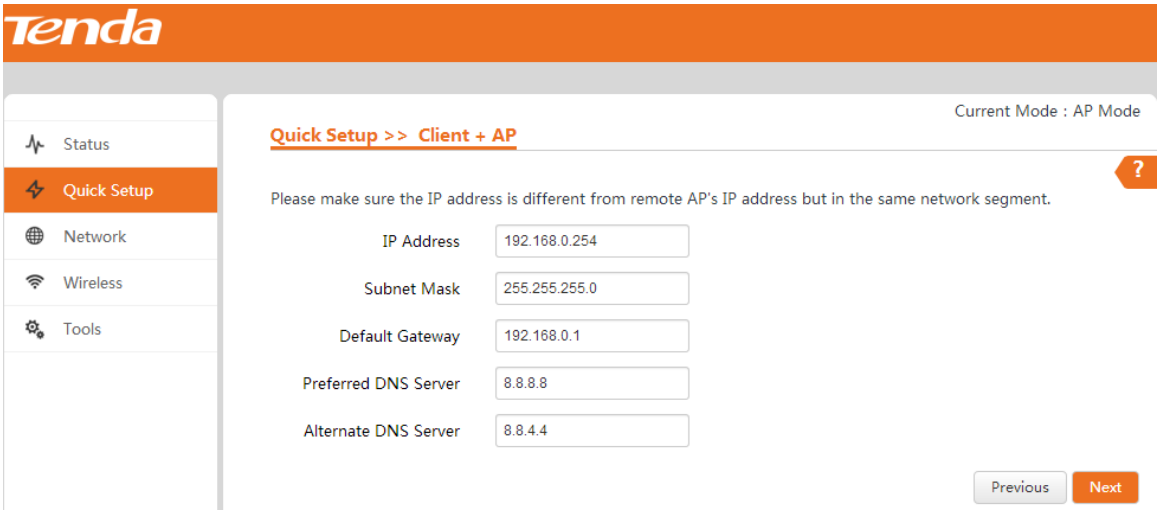
3 The security mode will be selected automatically, please confirm it and enter the WiFi password of the uplink ADSL modem or router in the **Key** field and click **Next**.



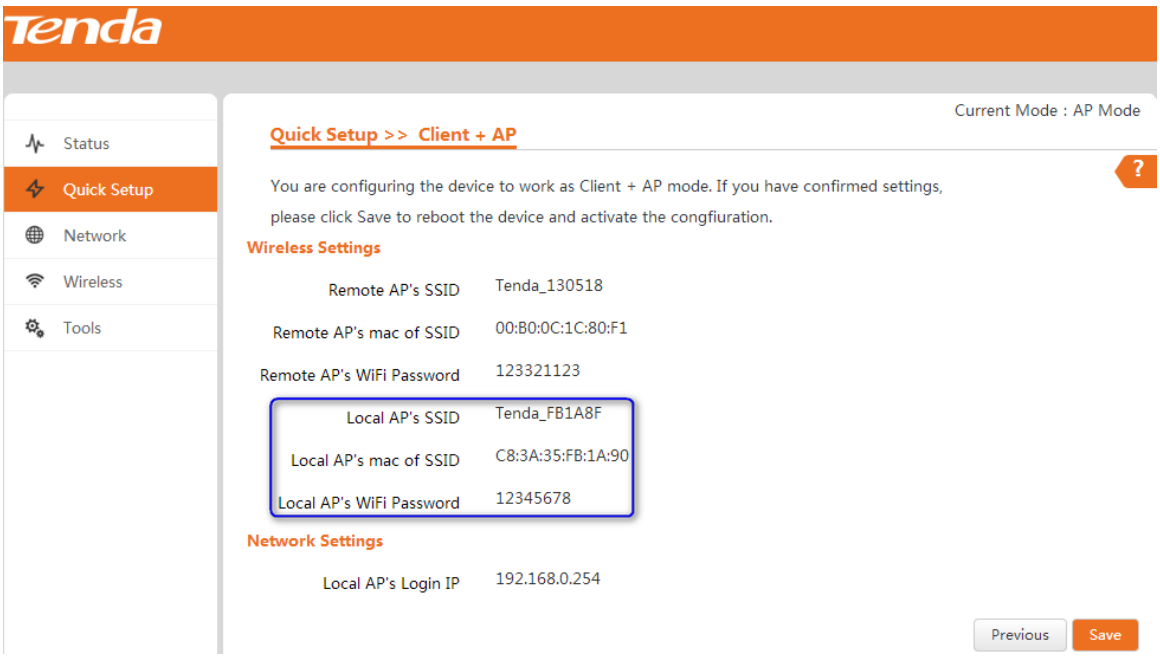
4 Set the WiFi name and network security settings for your local network and click **Next**.



5 Make sure that the IP address is a different one but on the same network segment as that of the uplink ADSL modem or router and then click **Next**.



6 Note down your local SSID (WiFi name) and WiFi password on this page and click **Save** to apply your settings. Wait until the device restarts successfully.



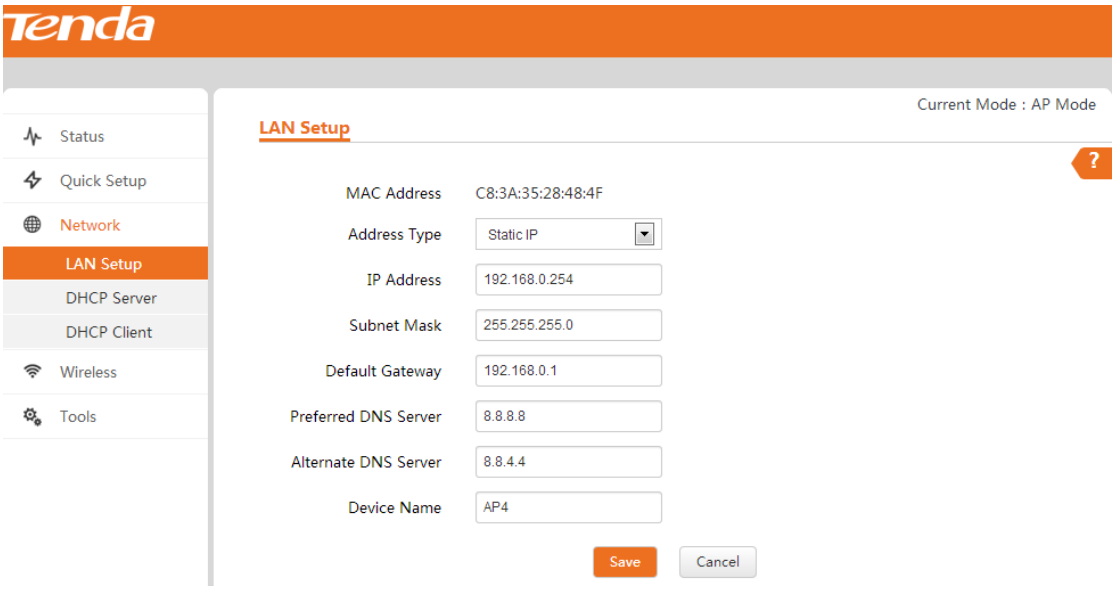
Step 5: Done!

After finishing settings of the mode you select, set your PC to **Obtain an IP address automatically** for Internet access. And your other wireless devices can also connect to it wirelessly for Internet access.

3 Setup: Advanced

How to Change the LAN IP Address

You can choose whether the AP gets its IP address manually (static IP) or automatically (DHCP). Click **Network** > **LAN Setup** to enter page below:

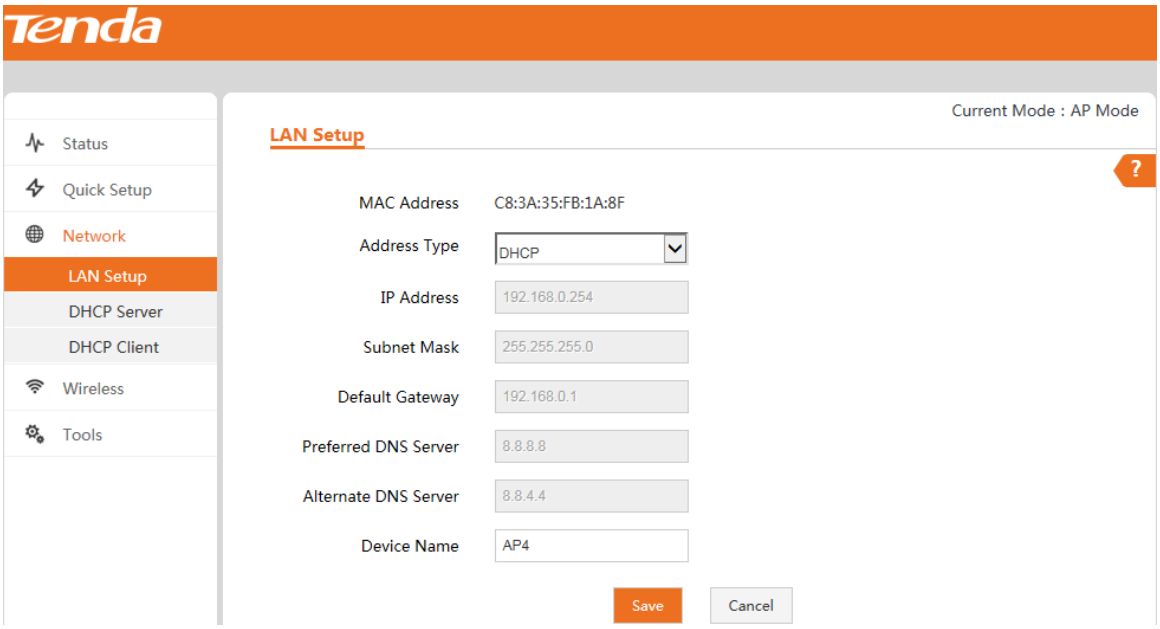


To set your AP's IP address in Static IP mode:

1. **Address Type:** Select **Static IP**.
2. **IP Address:** Enter a unique IP address that will be used to login to this AP's web manager.
3. **Subnet Mask:** Enter the subnet mask of your network.
4. **Default Gateway:** Enter the IP address of the default gateway for your network.
5. Click **Save** to apply your changes.

Note:

In static IP address mode, once you've changed your LAN IP address, you need to use the new IP address to login to its web manager.



To set your AP's IP address in DHCP mode:

1 **Address Type:** Select **DHCP**.

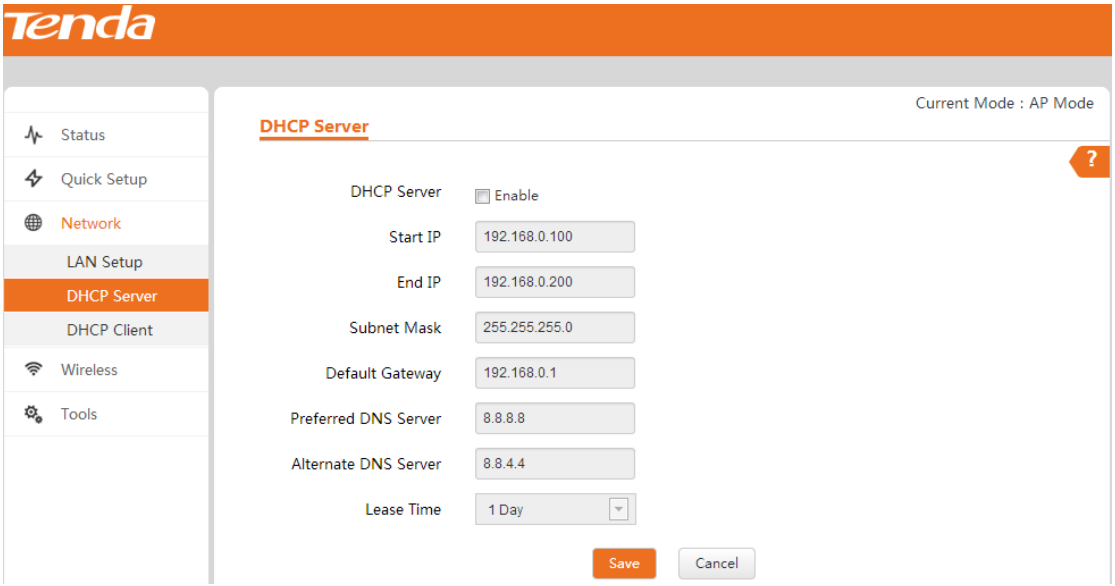
2 Click **Save** to apply your changes.

Note:

In DHCP mode, your LAN IP address is assigned by the DHCP server of your uplink device. Thus, to know your LAN IP address, you need to check it on the DHCP client list of the uplink device.

How to Configure DHCP Server Settings

If you enable DHCP server on the device, it will automatically configure the TCP/IP settings for all your LAN computers (including IP address, subnet mask, gateway and DNS etc.), eliminating the need of manual intervention. Just be sure to set all computers on your LAN to be DHCP clients by selecting **Obtain an IP Address Automatically** respectively on each PC. When turned on, these PCs will automatically load IP information from the DHCP server. By default, the DHCP server on this device is disabled. The DHCP server will be enabled while the device is operating in WISP mode. In other modes, you can also enable the DHCP server if necessary. However, usually, it is not recommended to enable the DHCP server. Click **Network > DHCP Server** to enter page below:



DHCP Server --- Check/Uncheck it to enable/disable the DHCP server.

Start IP --- The start IP address that the DHCP server has automatically assigned.

End IP --- The end IP address that the DHCP server has automatically assigned.

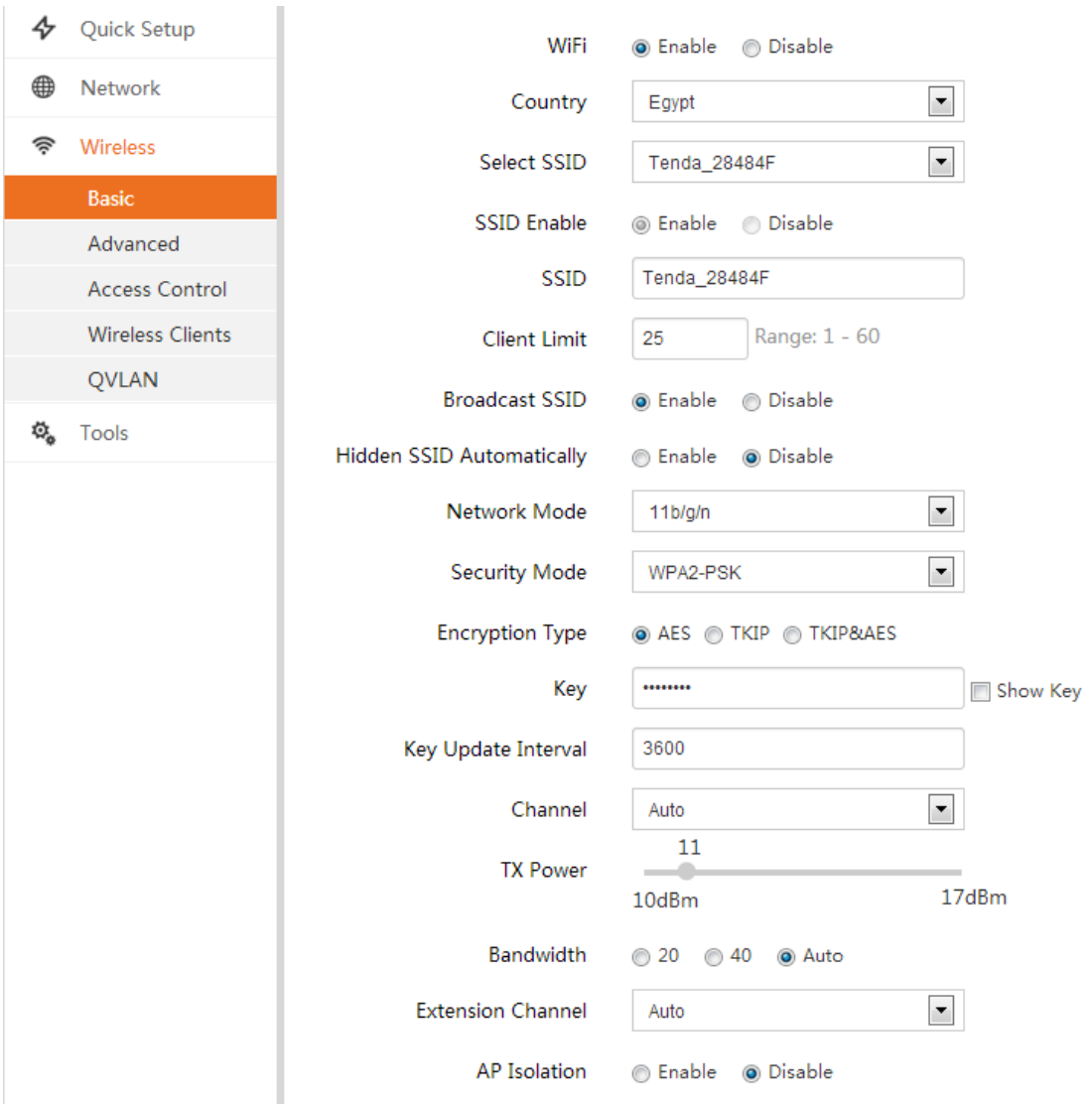
Primary DNS Server --- Primary DNS server address.

Alternate DNS Server --- Alternate DNS server address.

Lease Time --- How long the IP address can be used by the client device.

How to Configure Basic Wireless Settings

To configure basic wireless settings, like SSID (WiFi name), network mode, TX power, etc., click **Wireless** > **Basic** to enter page below:



WiFi --- Check the **Enable** box to enable the WiFi of your SSID or check the **Disable** box to disable the WiFi of your SSID.

Country --- Select the country for your WiFi.

Select SSID --- Select the SSID you wish to use.

SSID Enable --- Check the **Enable** box to enable the SSID or check the **Disable** box to disable the SSID.

SSID --- Customize the SSID as you like.

Client Limit --- Set the maximum number of the clients that can be connected.

Broadcast SSID --- When it is enabled, wireless clients are able to scan the SSID; when it is disabled, wireless clients are unable to scan the SSID. At this time, if you want to connect to it wirelessly, you have to type in the SSID and select the encryption mode manually.

Hidden SSID Automatically --- When the maximum number of clients is exceeded, the SSID will be hidden automatically.

Network Mode --- Select a proper network mode: 11 b/g/n mixed, 11 b/g mixed, 11g or 11b.

Security Mode --- Select WEP, WPA-PSK , WPA2-PSK,WPA, WPA2.

(1) WEP: Compliant with the full IEEE 802.11 standard.

Encryption Type: Open, Shared, 802.1 X Enter a WEP key that is either 5 or 13 ASCII characters or 10 or 26 Hex characters when your encryption type is Open and Shared.

(2) WPA / WPA2 – PSK: A mode based on WPA / WPA2 - PSK.

You can enable personal (PSK) or mixed mode, but you must make sure that the wireless client also supports the selected encryption method.

Encryption Type: Select AES, TKIP and TKIP & AES.

Key: Enter a security key that is either 8 - 63 ASCII characters or 8 - 64 Hex characters.

(3) WPA/WPA2- Enterprise: A mode based on Radius server authentication.

Radius Server: Display the Radius server's IP address.

Radius Port: Authentication port for Radius server. The default is 1812.

Encryption Type: Select AES, TKIP and TKIP&AES.

Key: Enter a key that is 1-64 ASCII characters.

Key Update Interval --- You can configure security key's update interval here within the range from 60 to 99999 seconds. If set to 0, the key will not be updated.

Channel --- For an optimal wireless performance, you may select the channel with least interference. It is advisable that you select 'Auto' to let the device detect and select the best possible channel for your wireless network to operate on.

TX Power --- Define the maximum average transmitted output power (in dBm) of the device. To specify the output power, use the slider to adjust the output power. Transmitted power regulations differ in different countries.

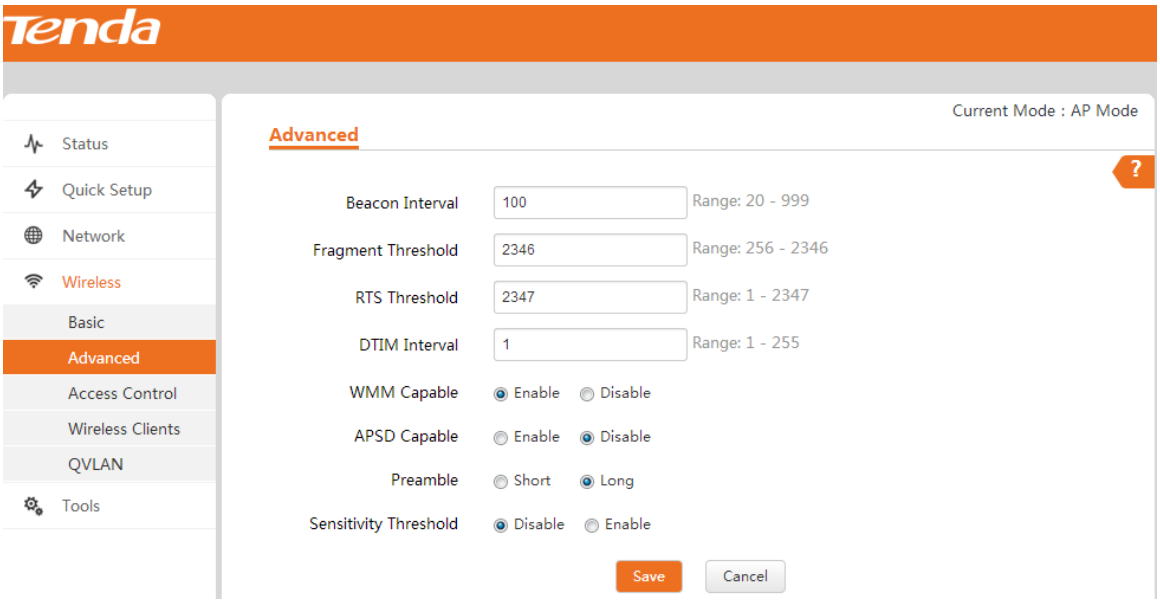
Bandwidth --- Display the bandwidth of the radio channel. You can use this option to control the bandwidth occupied by your link.

Extension Channel --- This is used to ensure radio frequency for 802.11n devices on the network.

AP Isolation --- When this function is enabled, wireless clients connected to the same SSID won’t be able to communicate with each other, which can enhance wireless network security.

How to Configure Advanced Wireless Settings

Click **Wireless** > **Advanced** to configure advanced wireless settings. If you are not familiar with these settings, keep the default settings unchanged.



Beacon Interval --- This is a time interval between any two consecutive Beacon packets sent by an Access Point to synchronize a wireless network. Specify a valid value between 20 and 999. The default setting is 100.

Fragment Threshold --- Specify a valid Fragment Threshold value between 255 and 2346. The default is 2346. Any wireless packet exceeding the preset value will be divided into several fragments before transmission.

RTS Threshold --- Specify a valid value between 1 and 2347. The default is 2347. If a packet exceeds the preset value, RTS/CTS scheme will be used to reduce collisions. A smaller value is recommended if you have distant clients or interference on your network.

DTIM Interval --- A DTIM (Delivery Traffic Indication Message) Interval is a countdown informing clients of the next window for listening to broadcast and multicast messages. When such packets arrive in the router's buffer, the router will send DTIM (delivery traffic indication message) and DTIM interval to alert clients of the receiving packets. Specify a valid value between 1 and 255. The default is 1.

WMM Capable --- Enable Wi-Fi Multimedia feature to configure different minimum and maximum waiting times for the transmission of packets in each queue based on the requirements of the media being sent. Queues automatically provide minimum transmission delay for Voice, Video, multimedia, and mission critical applications, and rely on best-effort parameters for traditional IP data.

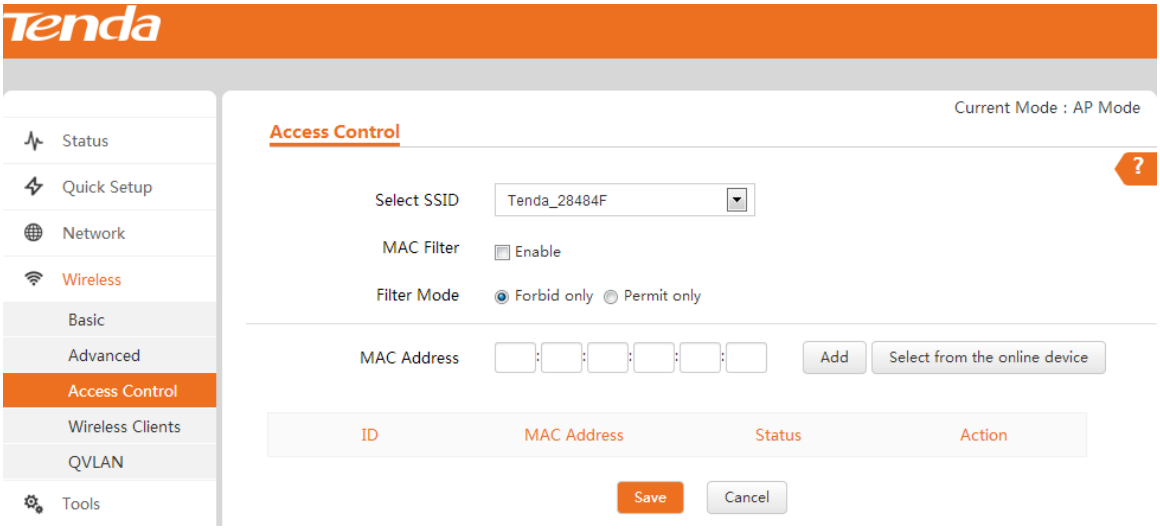
APSD Capable --- APSD (Automatic Power Save Delivery) is disabled by default.

Preamble --- Mainly used for preamble synchronization. It is advisable to keep the default value unchanged.

Sensitivity Threshold --- Define the minimum client signal level accepted by the AP for the client to connect to. If the client signal level subsequently drops, the client remains connected to the AP.

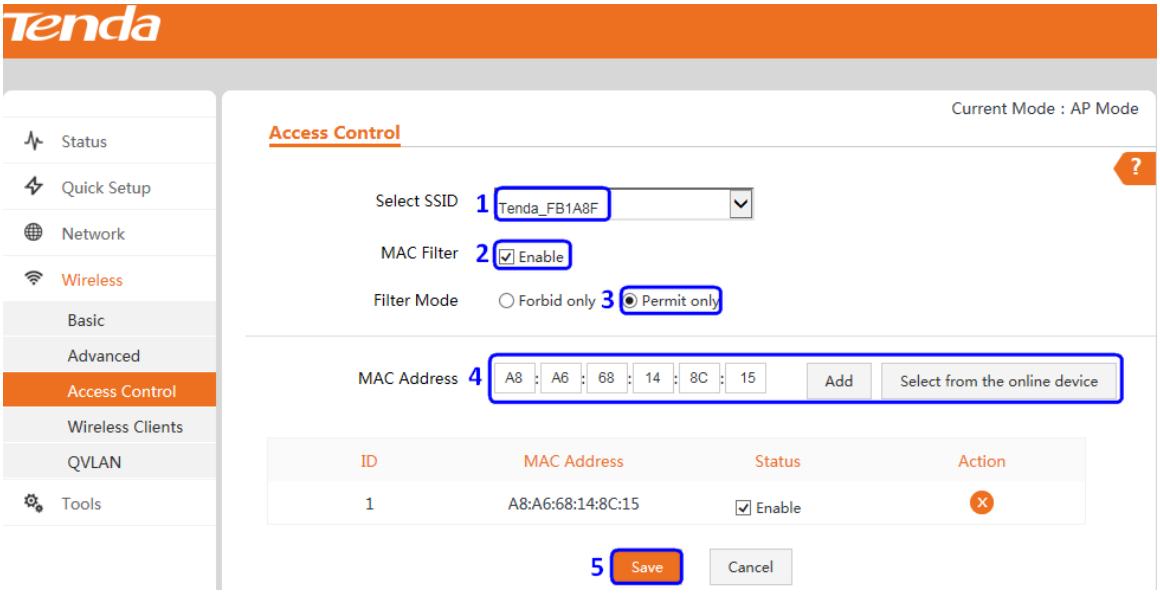
How to Filter Access to Your Network

Click **Wireless > Access Control** to enter page below. This page allows you to specify a list of devices to allow or disallow a connection to your wireless network via these devices' MAC addresses. To deactivate this feature, uncheck **Enable**; to activate it, check **Enable** and select **Forbid only** or **Permit only**.



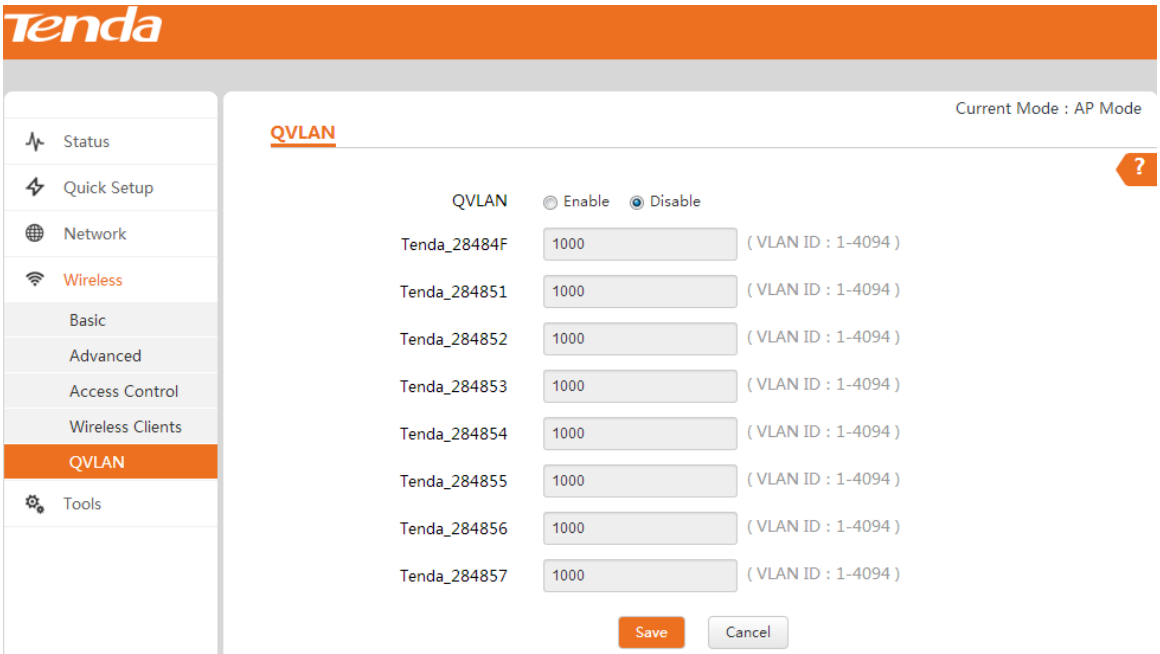
To only allow your computer at the MAC address of the A8:A6:68:14:8C:15 to join your wireless network:

1. Select the SSID you wish to configure from the drop-down list.
2. Check the **Enable** box to enable the MAC Filter feature.
3. Select **Permit only** as the Filter Mode.
4. Enter the MAC address of the device you want to allow, say A8:A6:68:14:8C:15 and click **Add**. If the MAC address of the device you wish to control its access has already connected to this AP, you can directly click **Select from the online device** to add its MAC address.
5. Click **Save** to apply your changes.



How to Configure QVLAN Settings to Work with Switches

QVLAN enables this AP to broadcast up to 8 wireless networks with different names. When using this feature, users could also assign different VLAN IDs to different wireless networks, which makes it possible to get it work with switches which as VLAN assigned for different access levels and authorities. The QLAN feature is only configurable in AP mode.



Below is a basic topology of How AP4 should work with Switches that has VLAN assigned. Assume that in the network there are four Departments: HR, Sales, Technical and R&D. They belong to different VLAN networks to have different authorities (HR-VLAN1, Sales-VLAN2, Tech-VLAN3, and R&D-VLAN4). When we setup VLAN to each SSID, for example:

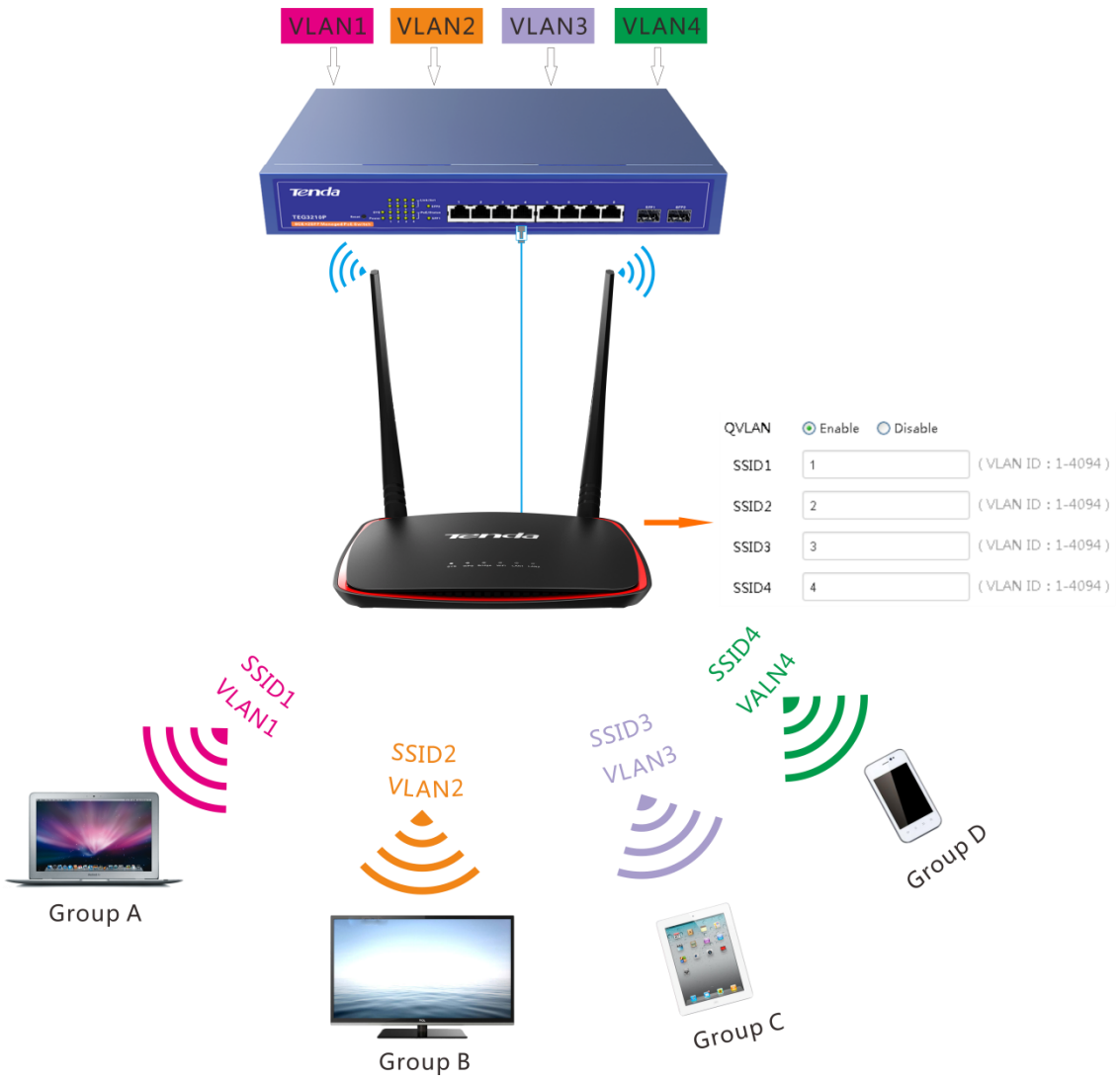
SSID 1 with VID 1;

SSID 2 with VID 2;

SSID 3 with VID 3;

SSID 4 with VID 4;

Then Group A, B, C, D will only have access to its related VLAN resources. Take Group A as an example, the clients are connecting to SSID 1, so these people would only have access to the HR department's resources. (The Access authority of different VLANs (VLAN1, VLAN2, VLAN3, VLAN4) is already configured on the Switch.)

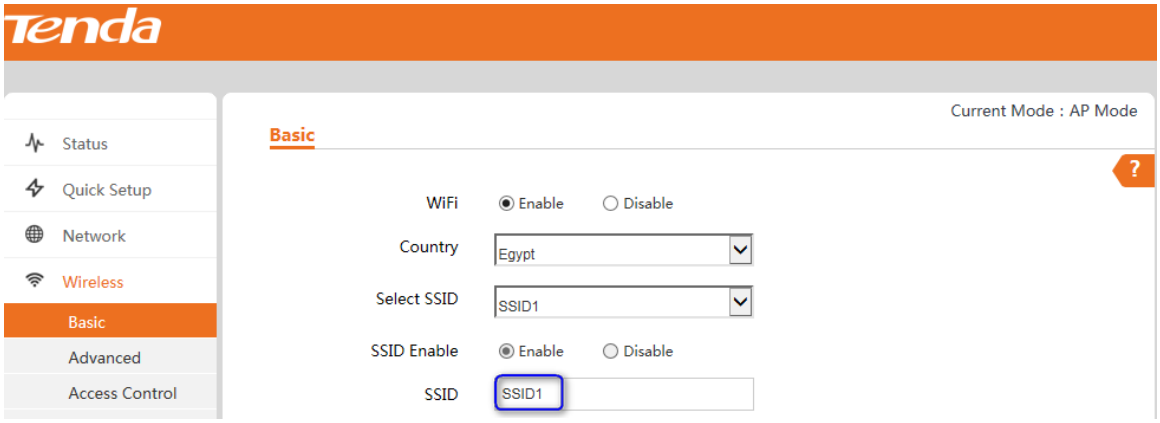


Note

Only the **PoE/LAN2** port is QVLAN-enabled. Thus, to enable QVLAN feature on this AP, you need to connect the **PoE/LAN2** port on the AP to the switch.

Settings on AP4:

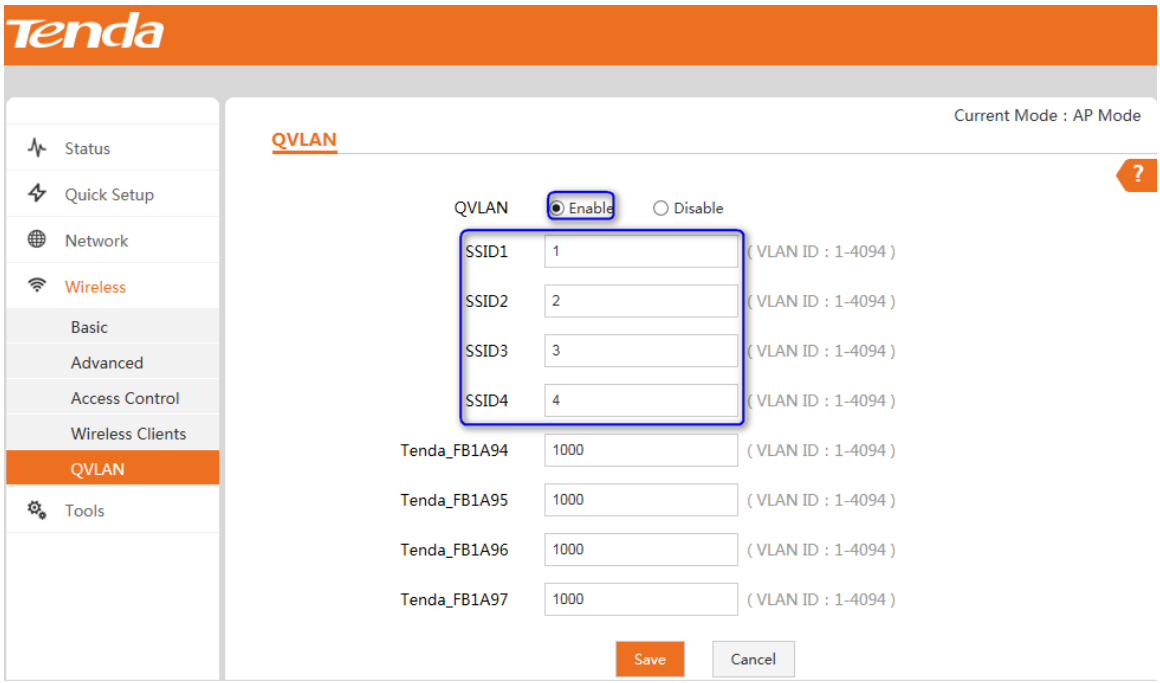
1 Click **Wireless** > **Basic** to set 4 SSIDs: SSID1, SSID2, SSID3 and SSID4.



2 Click **Wireless** > **QVLAN** and select the **Enable** option to enable the QVLAN feature on AP4.

3 Set SSID1 with VLAN ID 1, SSID2 with VLAN ID 2, SSID3 with VLAN ID 3 and SSID4 with VLAN ID 4 as shown below:

4 Click **Save** to apply your changes.



How to Login to Web Manager in a More Secure Way

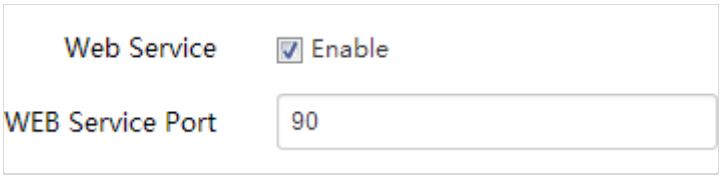
Tip

When HTTP and HTTPS web service are enabled simultaneously, you are only allowed to login to its web manager via HTTPS.

How to login to Web Manager via HTTP

To login to its web manager via HTTP:

1. Click **Tools > Network Service** and locate the HTTP web service feature.
2. Check the **Enable** box to enable HTTP web service feature.
3. Enter the HTTP web service port. By default, it is port 80.
4. Click **Save** at the bottom of this page to apply your changes.



5. Then you need to enter "**http://login IP address: port No.**" in the address bar to login to its web manager. Here we enter **"http://192.168.0.254:90"** in the address bar.



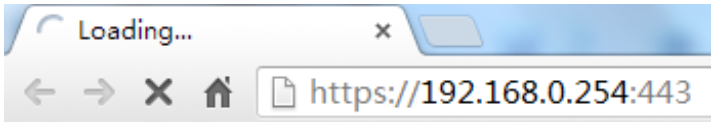
How to login to Web Manager via HTTPS

To login to its web manager via HTTPS:

1. Click **Tools > Network Service** and locate the HTTPS web service feature.
2. Check the **Enable** box to enable HTTPS web service feature.
3. Enter the HTTP web service port. By default, it is port 443.
4. Click **Save** at the bottom of this page to apply your changes.



5 Then you need to enter "**https://login IP address: port No.**" in the address bar to login to its web manager. Here we enter **"https://192.168.0.254:443"** in the address bar.

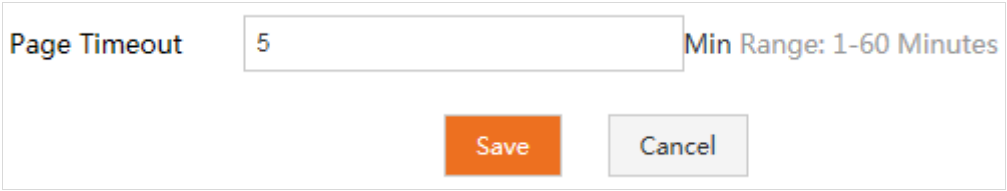


Tip:

HTTPS web service is a more secure way for web login.

How to Configure the Idle Timeout

You are automatically logged out of the web manager after a period of inactivity. You can set the length of the inactive period. To change the page idle timeout, click **Tools > Network Service**, locate the Page Timeout field, set the page timeout you wish to and click **Save**.



How to Configure System Time for Your Device

This section assists you in setting the device's current time; you can select to either set the time and date manually or obtain the GMT time from the Internet automatically. System time can be configured using the following 2 methods:

Synchronized with the Internet: If enabled, system automatically connects to NTP server on the Internet to synchronize the time.

Manual: Specify the time and date manually or click **Synchronized with local time** to automatically copy your current PC's time to the device.

To Sync with Internet time servers:

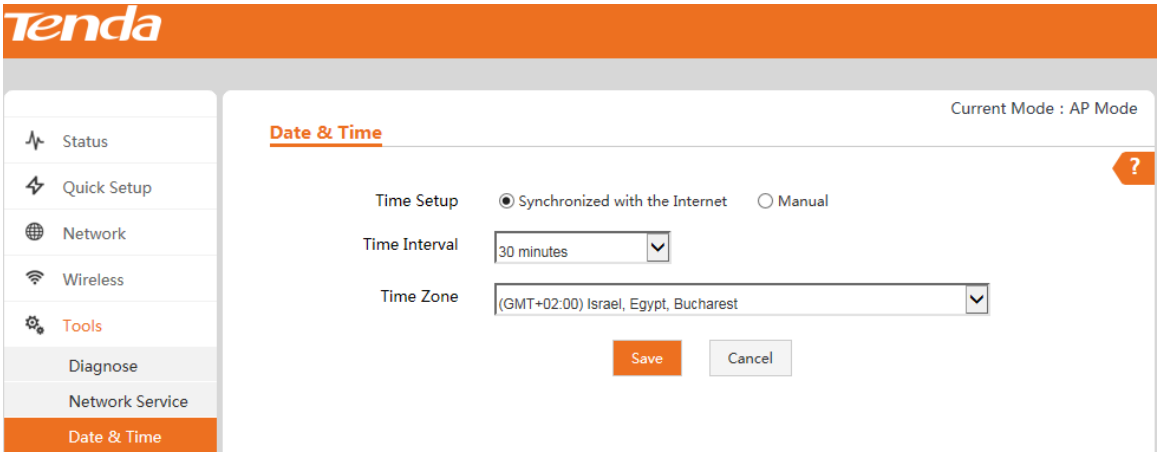
1 Click **Tools > Date & Time**.

2 Select **Synchronized with the Internet**.

3 Select a time interval from the drop-down list.

4 Select your time zone.

5 Click **Save**.



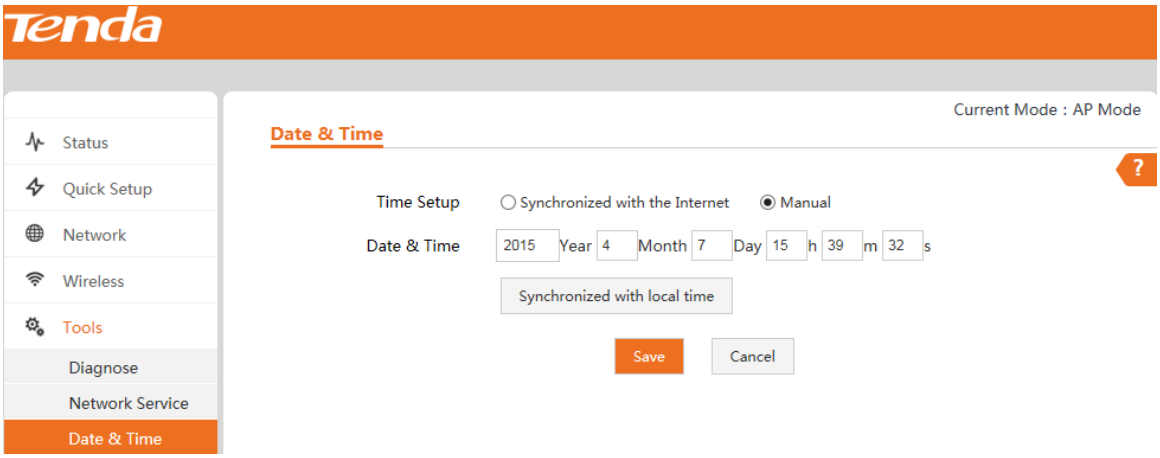
To set time and date manually:

1 Click **Tools > Date & Time**.

2 Select **Manual**.

3 Specify the time and date manually or click **Synchronized with local time** to automatically copy your PC's time to the device.

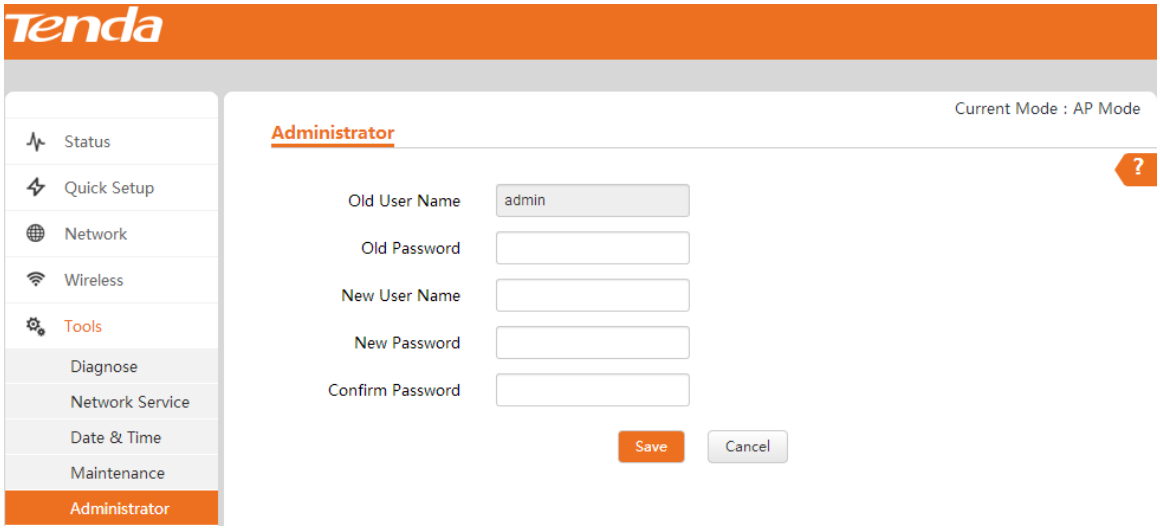
4 Click **Save**.



And then go to the **Status** page to make sure that the system time is correctly updated.

How to Change the Login User Name and Password

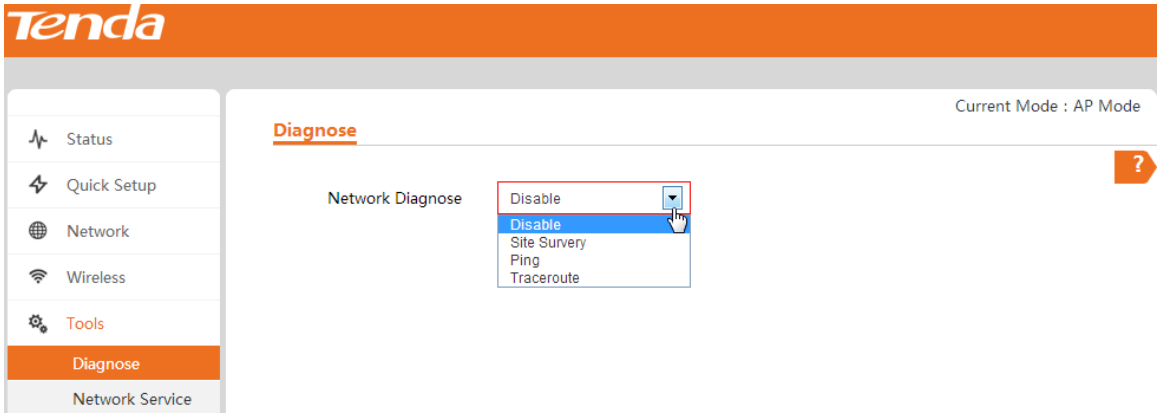
Click **Tools > Administrator** to enter screen below. Here you can change the user name and password for web login. We suggest that you change this password to a more secure one.


Tenda
Current Mode : AP Mode
Status
Quick Setup
Network
Wireless
Tools
Diagnose
Network Service
Date & Time
Maintenance
Administrator
Administrator
?
Old User Name
admin
Old Password
New User Name
New Password
Confirm Password
Save
Cancel

4 Maintaining and Monitoring

How to Diagnose Your Network

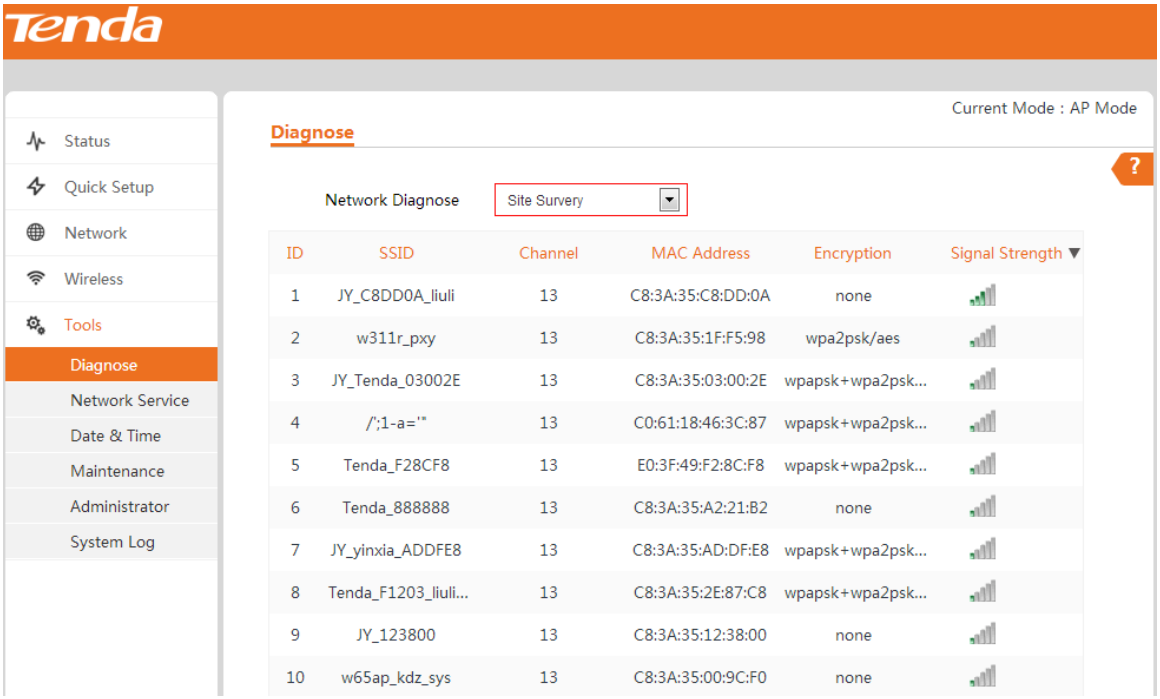
Three ways are available here to diagnose your network. If there's something wrong with your network, select the proper one as you need. To deactivate this feature, select **Disable**.



Site Survey

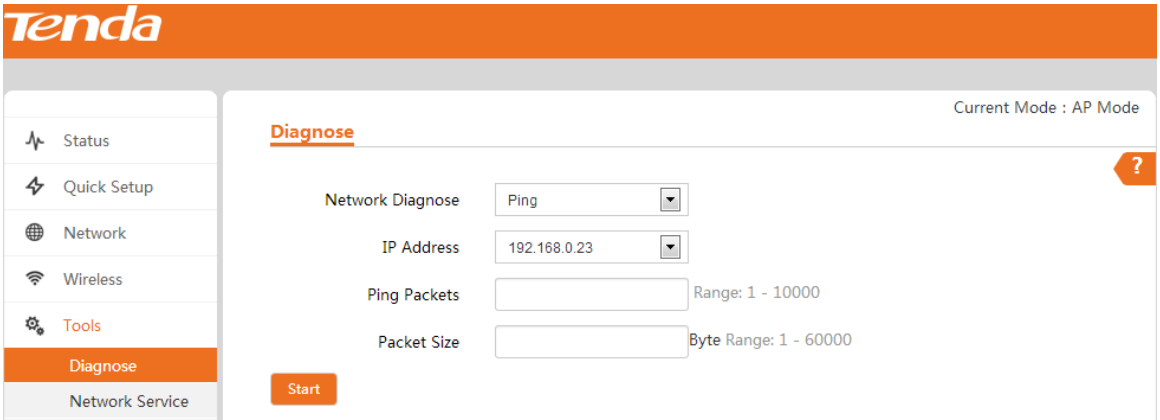
To get an overview of your nearby wireless networks in range on all supported channels, click **Tools** > **Diagnose** and then select **Site Survey**.

The Site Survey tool reports the SSID, MAC Address, Channel, Security Mode, Encryption Type, Signal Strength of each AP in the surrounding environment.



Ping

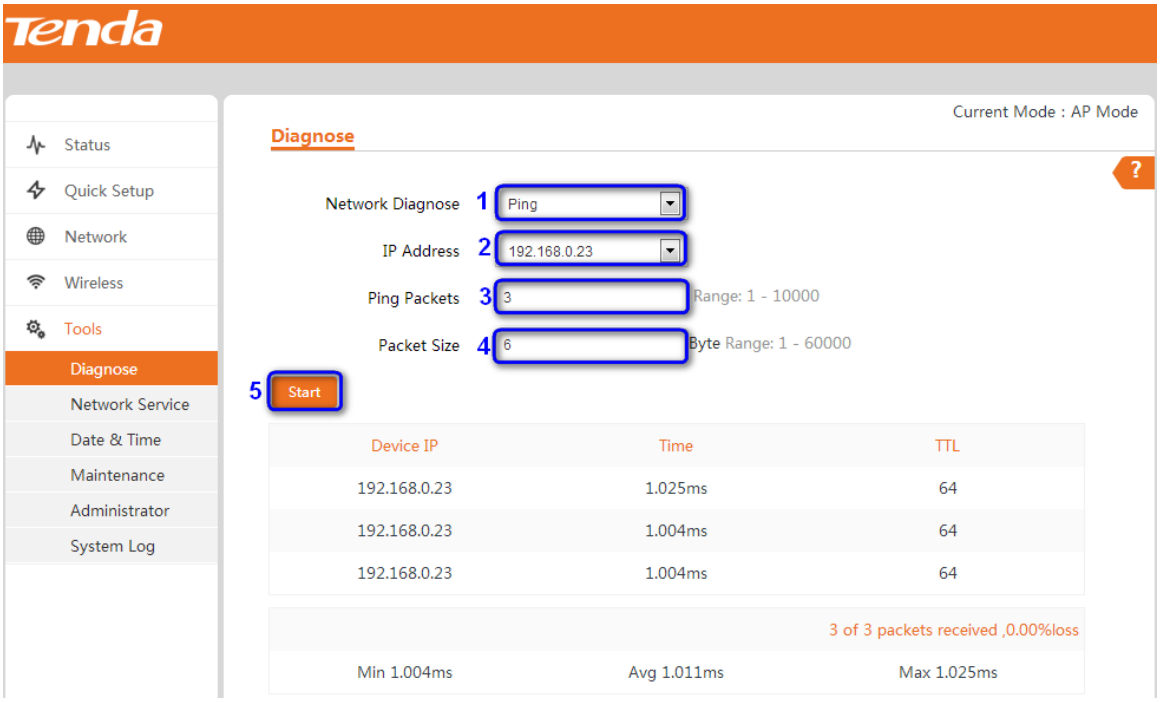
Ping is a computer network administration utility used to test the reachability of a host on an Internet Protocol (IP) network and to measure the round-trip time for messages sent from the original host to a destination computer.



To implement Ping action, click **Tools** > **Diagnose** and finish settings as shown below:

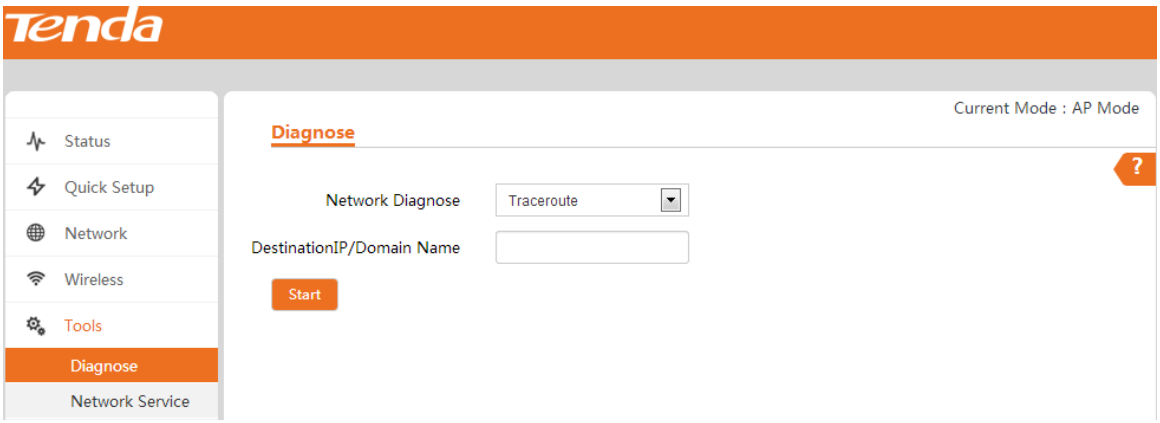
1. Select **Ping** from the **Network Diagnose** drop-down menu.
2. Select an IP address you wish to diagnose or select **Manual** to enter the IP or domain name manually.
3. Set the number of Ping packets within the range from 1 to 10000.
4. Set the packet size within the range from 1 to 60000.
5. Click **Start** to Ping the network.

Then you can view the Ping info below.



Traceroute

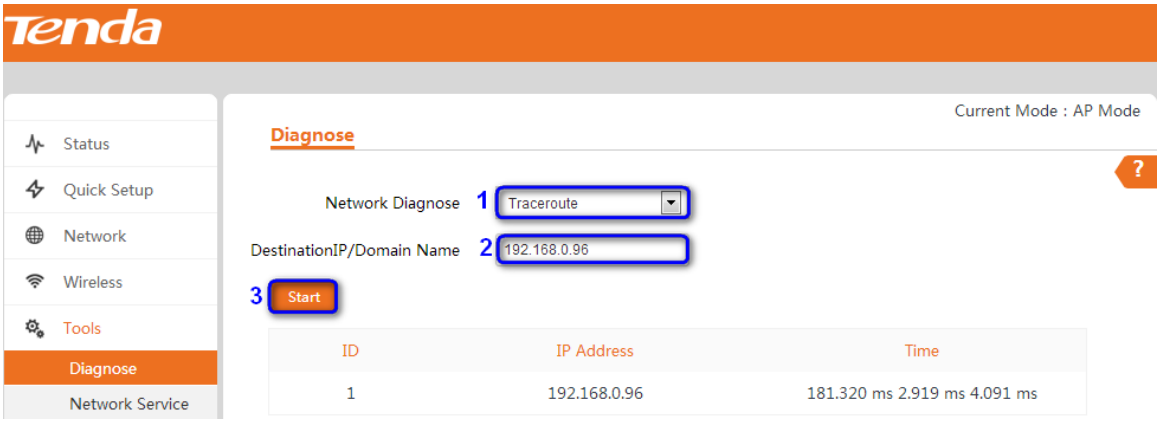
Traceroute is a computer network diagnostic tool for displaying the route (path) and measuring whether network connection is available or not. When malfunctions occur to the network, you can locate trouble spot of the network with this traceroute test.



To implement Traceroute action, click **Tools** > **Diagnose** and finish settings as shown below:

1. Select **Traceroute** from the **Network Diagnose** drop-down menu.
2. Enter the destination IP or domain name of the destination host.
3. Click **Start** to traceroute the network.

Then you can view the traceroute info below.



How to Reboot Your AP

When some settings you have configured cannot be activated or your device is functioning improperly, you can reboot your device. Once this function is enabled, please make sure that your device is synchronized with the Internet time server.

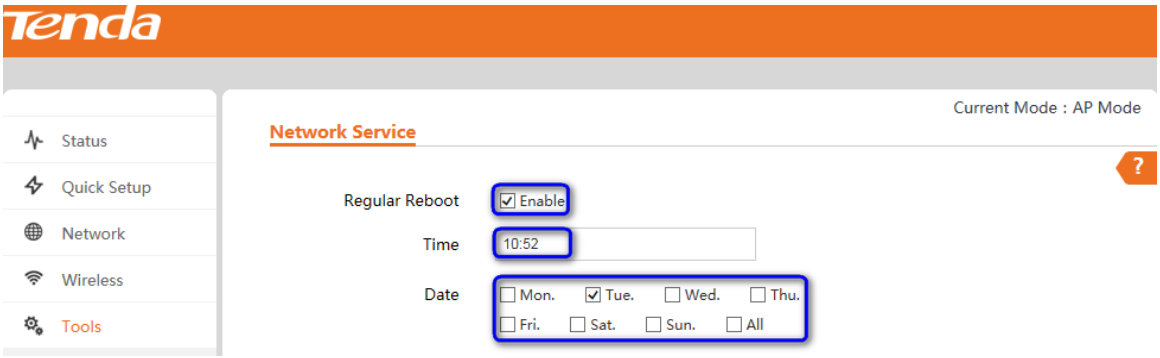
Reboot Regularly

Tip

To activate this feature, verify that you have synchronized the device's system time with the Internet or your PC.

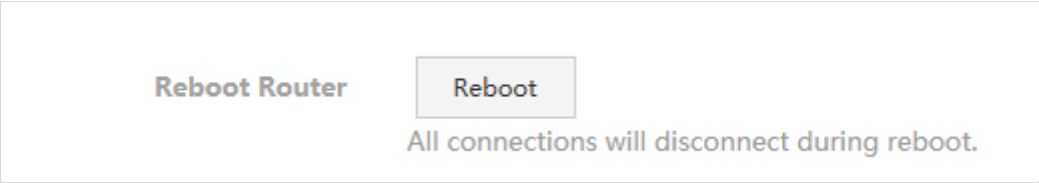
To reboot your device regularly and automatically, follow steps below:

1. Click **Tools > Network Service**.
2. Check the **Enable** box of **Regular Reboot**.
3. Set the date (from Monday to Sunday) to regular reboot your device.
4. Click **Save** at the bottom of this page to apply your changes.



Reboot Manually

To reboot your device manually, click **Tools > Maintenance**, locate the Reboot Router section and click **Reboot**.



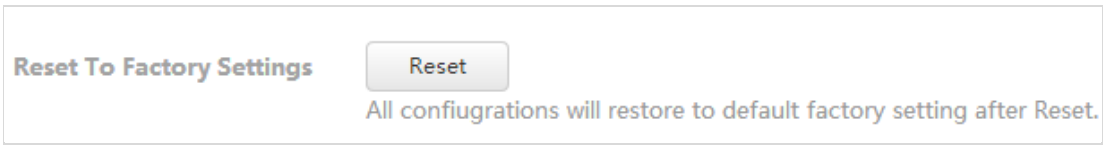
How to Reset Your AP

If the device or client connected to the device fails to access the Internet due to incorrect configurations and you cannot solve the problem, you can reset the device. once you reset your AP, all your current settings will be lost and you need to reconfigure it.

To reset your AP, two methods are available:

Method 1: Via Web manager

Click **Tools > Maintenance**, locate the Reset to Factory Settings and click **Reset**.



Method 2: Via the hardware RST button

Pressing the **RST** button for over 7 seconds restores this device to its factory defaults.

Factory Default Settings:

- User Name: admin
- Password: admin
- IP Address: 192.168.0. 254

How to Upgrade Your AP

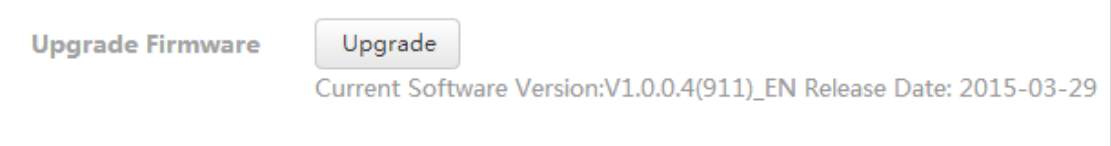
If your device is in normal operation, it is not advisable to upgrade your device. If you want to acquire the latest software version or better value-added functions for your device, you can access our official website www.tendacn.com to download the latest software for upgrading.

To upgrade your AP:

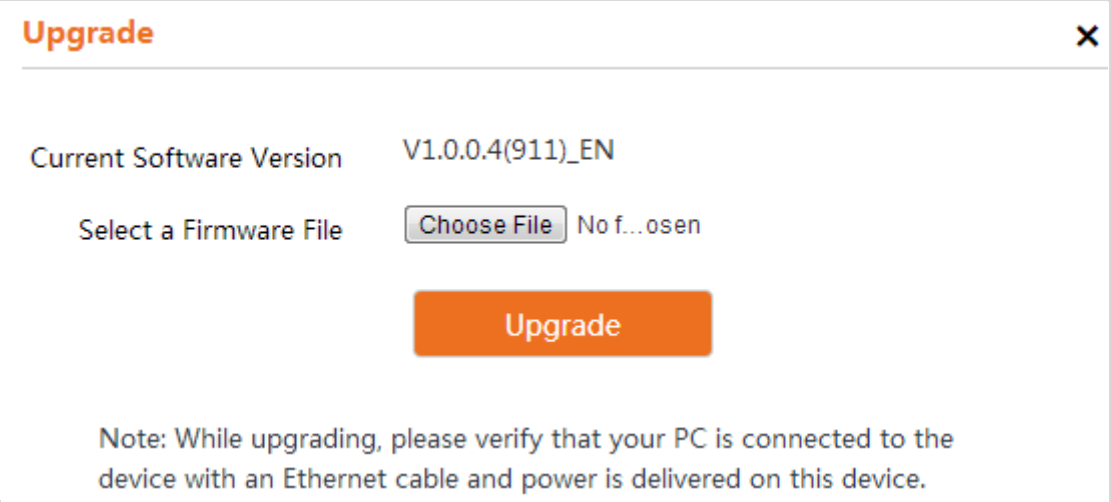
1 Launch a web browser and go to http://www.tendacn.com to download the latest firmware.

2 Unzip the compressed upgrade file in the corresponding directory.

3 Click **Tools > Maintenance**, locate the Upgrade Firmware section and click **Upgrade**.



4 Click **Choose File** (in Google browser) to locate and select the upgrade file in the corresponding directory on your hard disk.



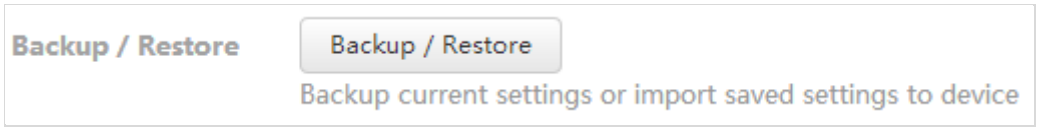
5 Click **Upgrade**.

Note

1. While upgrading, please verify that your PC is connected to the device with an Ethernet cable and power is delivered on this device. And the upgrading process will take several minutes, please be patient.
2. When the upgrading is completed, your device will be restored to factory default settings automatically and you need to reconfigure your device.

How to Backup and Restore Your AP's Configurations

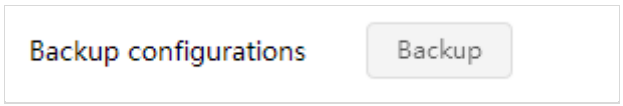
If you configure many settings on this device, which will make this device work in good status and suitable environment, it's suggested to backup settings for this device, which will be convenient for troubleshooting and saving time for next time's configuration. Click **Tools > Maintenance** and locate the Backup/Restore section.



To backup your configurations:

1 Click **Backup / Restore**.

2 Click **Backup** on the pop-out window and follow on screen instructions to save your configurations in a directory on your hard disk.

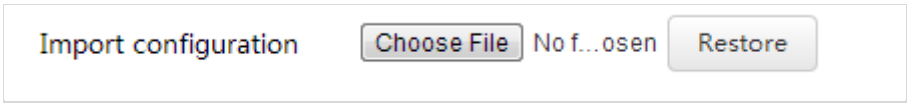


To restore your configurations:

1 Click **Backup / Restore**.

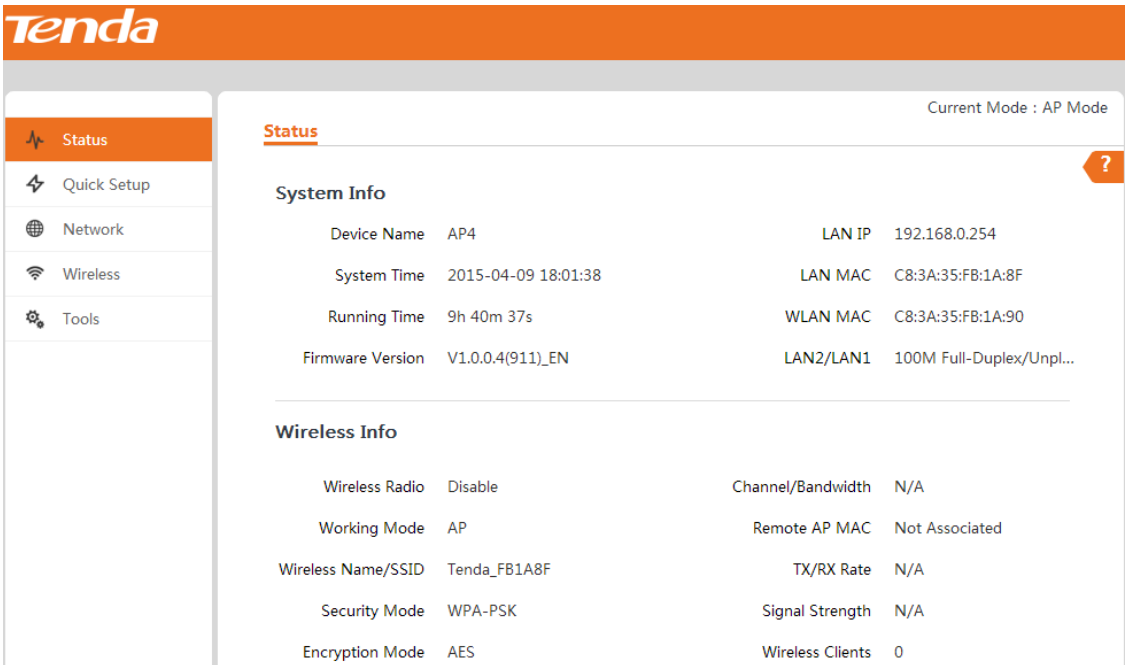
2 Click **Choose File** (in Google browser) to load configuration files which you have stored on your hardware disk previously.

3 Click **Restore**.



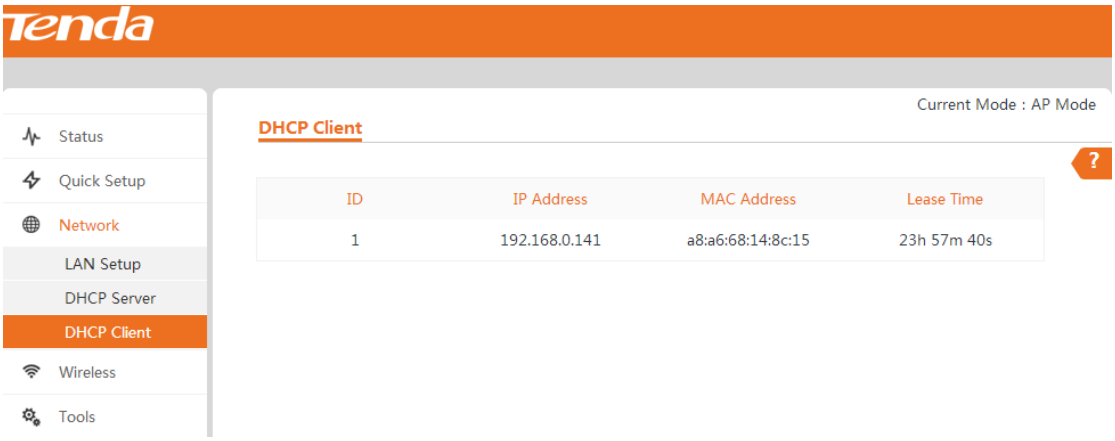
How to View System Info and Wireless Info of Your AP

To view system information and wireless information of this device, click **Status** to enter page below:



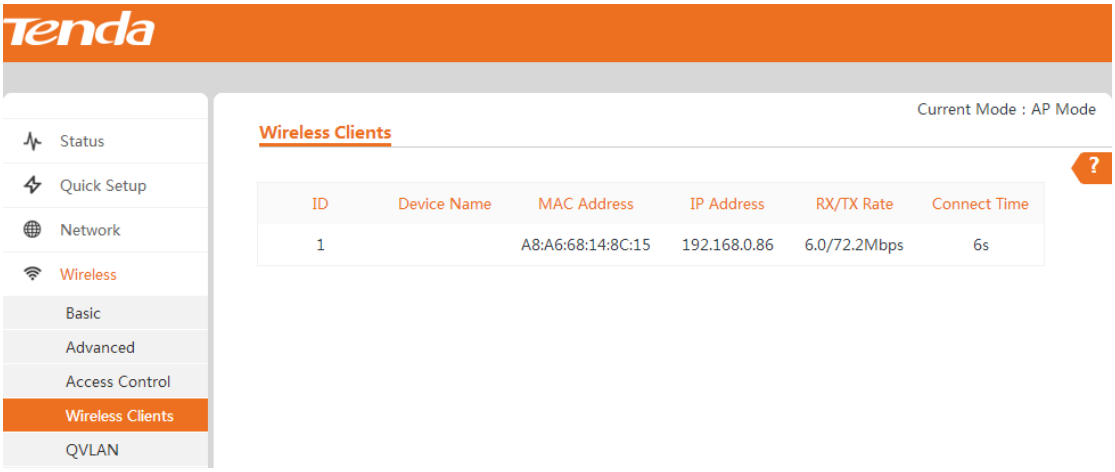
How to View DHCP Client Information

To view DHCP clients information, click **Network > DHCP Client** to enter page below:



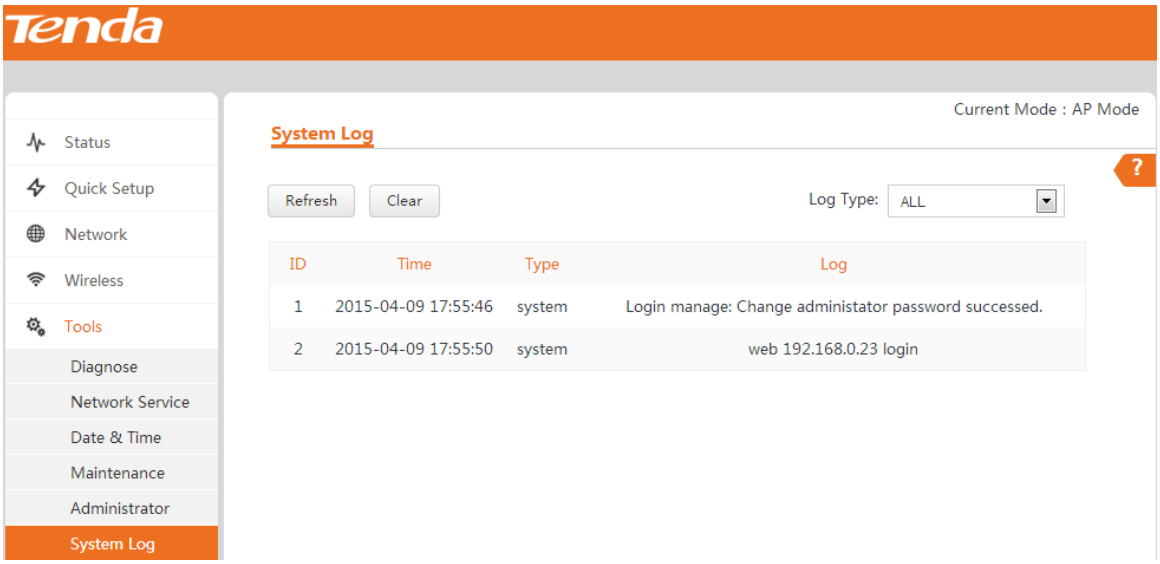
How to View Wireless Clients Information

To view wireless clients information, click **Wireless > Wireless Clients** to enter page below:



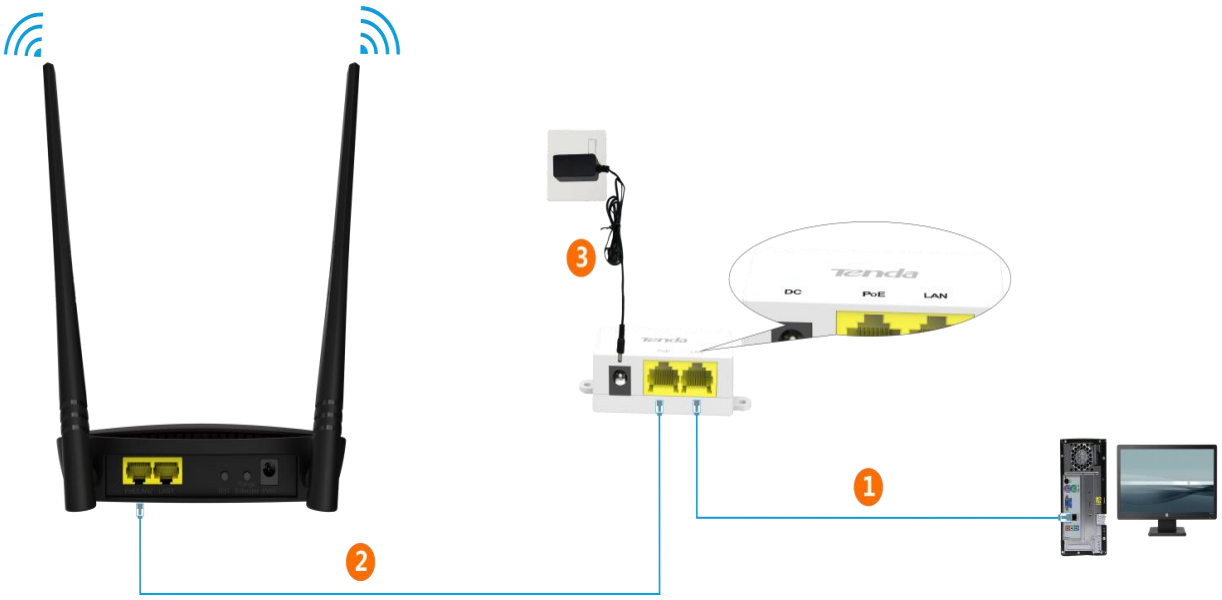
How to View the History of Your AP's Actions

Click **Tools > System Log** to enter screen below. Here you can view the history of the device's actions. Three types of logs are supported on this device: All, System and WAN. You can select any one of them from the drop-down list. Click **Refresh** to update current log info or click **Clear** to clear all logs.


Tenda
Current Mode : AP Mode
Status
Quick Setup
Network
Wireless
Tools
Diagnose
Network Service
Date & Time
Maintenance
Administrator
System Log
System Log
?
Refresh
Clear
Log Type:
ALL
ID
Time
Type
Log
1
2015-04-09 17:55:46
system
Login manage: Change administator password successed.
2
2015-04-09 17:55:50
system
web 192.168.0.23 login

Appendix

A With PoE Setup



1 Connect your computer to the **LAN port of the injector** with the included Ethernet cable.

2 Connect the **PoE/LAN2** port of your AP to the **PoE port of the injector** with another Ethernet cable.

3 Plug the included power adapter into the **DC** jack of the injector, and the other end to a nearby power outlet.

Note:

The PoE injector supports a maximum cable (Cat5e or better) length of up to 35 meters (115 feet or so).

B Connect to Your WiFi

Tip

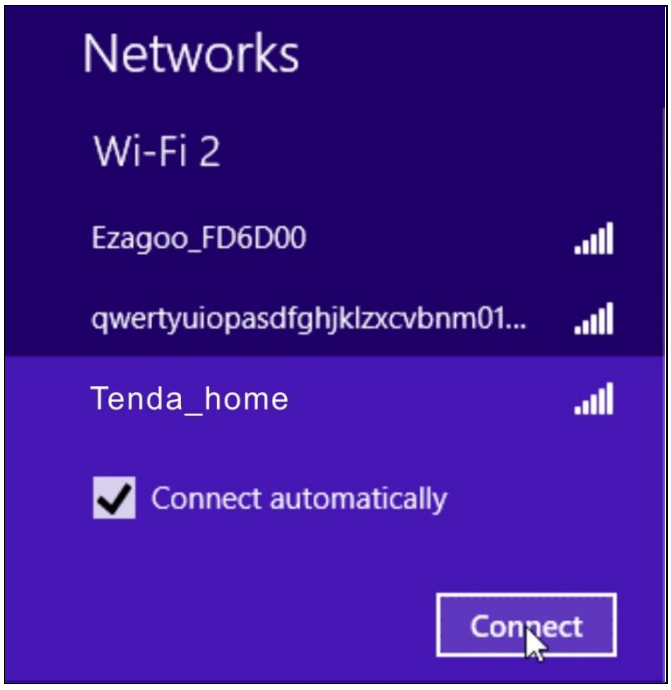
1. The PC you use must have an installed wireless network adapter.
2. The device's SSID is "Tenda_XXXXXX" by default (where "XXXXXX" is the last six characters of its MAC address). You can find the MAC address and SSID on the label attached to the device's bottom).
3. The first time you connect to your WiFi to configure the AP, you need to set your PC to **Use the following IP address**. For details, see Step 2: Configure IP on Your PC . After finishing configuring the AP, you need to re-connect to your WiFi and set your PC to **Obtain an IP address automatically** for Internet access.

Windows 8

Step 1: Click the icon on the bottom right corner of your desktop.



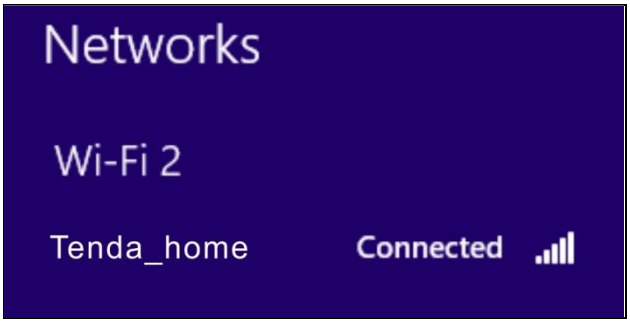
Step 2: Select your wireless network from the list, click **Connect** and then follow onscreen instructions.



Tip

1. If you cannot find the icon, please move your mouse to the top right corner of your desktop, select **Settings > Control Panel > Network and Internet > Network and Sharing Center > Change adapter settings**, right click **Wi-Fi** and select **Connect/Disconnect**.
2. If you cannot find your wireless network from the list, ensure the Airplane Mode is not enabled on your PC.

Step 3: When your wireless network is connected successfully, the following screen will appear.



Windows 7

Step 1: Click the icon  on the bottom right corner of your desktop.

Step 2: Double click your SSID (wireless network name) and then follow onscreen instructions.

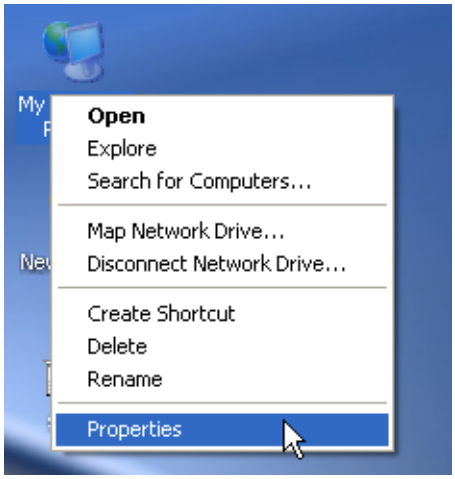


Step 3: When your SSID (wireless network name) displays **Connected** as shown below, you've connected to it for Internet access successfully.

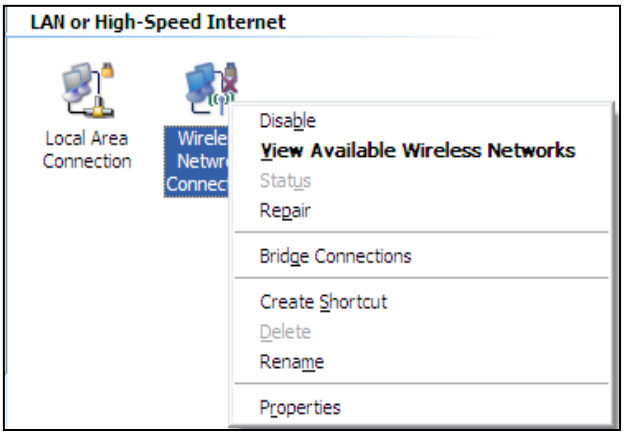


Windows XP

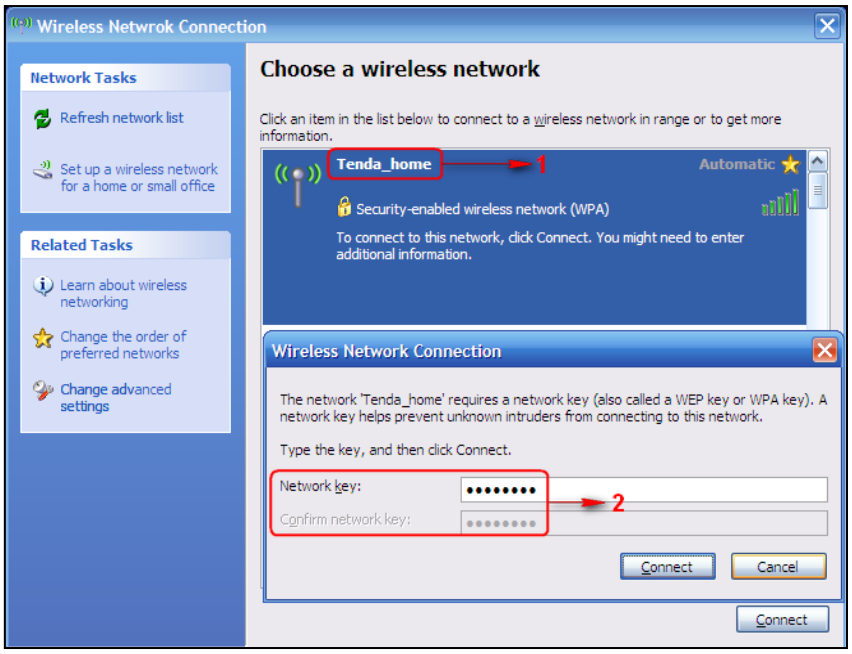
Step 1: Right click **My Network Places**, and select **Properties**.



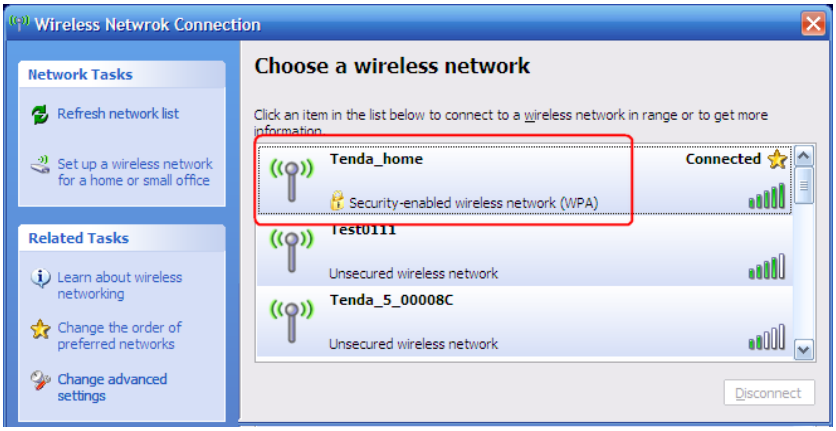
Step 2: Right click **Wireless Network Connection**, and select **View Available Wireless Networks** from the pop-up submenu.



Step 3: Select your wireless network from the list and then follow onscreen instructions.



Step 4: When your SSID displays **Connected** as shown below, you've connected to it successfully.



C FAQs

Q: I enter the device's LAN IP address in the web browser but cannot access this device's web manager. What should I do?

1) Verify that the IP address of computer should be a different one but on the same network segment as the LAN IP address of devices. The default LAN IP address of AP is 192.168.0.254 and you need to set your PC to a static IP address within the following range: 192.168.0.X (2~253);

2) Clear the browser cookies or try another web browser;

If you are still unable to login, please refer to section How to Reset Your AP to restore the device to factory default settings and follow steps in section 2 Quick Internet Setup to configure your settings again.

D Safety & Emission Statement

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. This device complies with EU 1999/5/EC.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

FCC 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.

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 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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this

equipment.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.