

*Tenda*



## **AV1000 WiFi Powerline Extender Kit**

### **User Guide**

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## Preface

Thank you for choosing Tenda! Please read this user guide before you start with PH5.

## Conventions

The typographical elements that may be found in this document are defined as follows.

Item	Presentation	Example
Cascading menus	>	<b>System &gt; Live Users</b>
Parameter and value	Bold	Set <b>User Name</b> to <b>Tom</b> .
Variable	Italic	Format: <i>XX:XX:XX:XX:XX:XX</i>
UI control	Bold	On the <b>Policy</b> page, click the <b>OK</b> button.
Message	“ ”	The “Success” message appears.

The symbols that may be found in this document are defined as follows.

Symbol	Meaning
 <b>NOTE</b>	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.
 <b>TIP</b>	This format is used to highlight a procedure that will save time or resources.

## Acronyms and Abbreviations

Acronym or Abbreviation	Full Spelling
ISP	Internet Service Provider
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
PLC	Powerline Communication
STB	Set Top Box

## Additional Information

For more information, search this product model on our website at <http://www.tendacn.com>.

## Technical Support

If you need more help, contact us by any of the following means. We will be glad to assist you as soon as possible.

 <b>Hotline</b>	Global: (86) 755-27657180	 <b>Email</b>	support@tenda.com.cn
	Canada: 1-888-998-8966		
	Hong Kong: 00852-81931998		
 <b>Website</b>	<a href="http://www.tendacn.com">http://www.tendacn.com</a>	 <b>Skype</b>	tendasz

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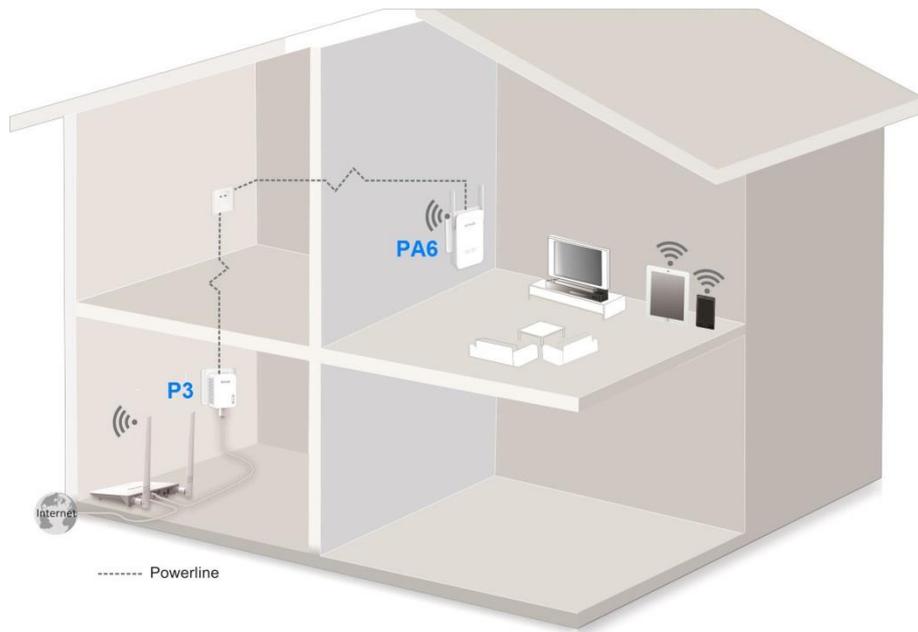
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# 1 Get to Know Your Devices

## 1.1 Overview

AV1000 Wi-Fi Powerline Extender Kit (PA6+P3) extends your wireless network to every room of your house through the existing electrical circuit in your house. With WiFi button, the powerline extender can copy WiFi name and password of your wireless router, allowing your wireless devices to roam seamlessly in your house.

The application scenario is shown on the right. PA6 and P3 should be used in a same electrical circuit.



## 1.2 Features

- Homeplug AV2 powerline technology
- Up to 1000 Mbps powerline speed
- Gigabit Ethernet ports for multiple wired devices
- Easy setup with the WiFi clone function
- N300 WiFi technology
- Built-in power saving element

## 1.3 Packing list

The package should contain the following items:

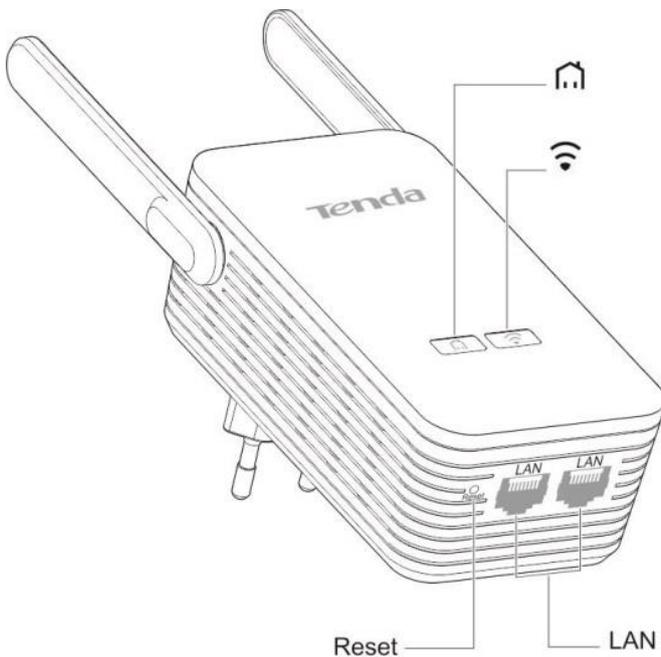
- AV1000 Gigabit Powerline Adapter \* 1

- AV1000 WiFi Powerline Extender \* 1
- Ethernet Cable \* 1
- Installation Guide \* 1

If any item is incorrect, missing or damaged, please keep the original package and contact the vendor.

## 1.4 Appearance

### PA6



### LED Indicators for PA6

LED	Color	Status	Description
	/	Off	The device does not pair with a powerline device, or is powered off.
	Green	Solid on	The device succeeds in pairing with another powerline device.
	Green	Quick Blinking	The device is pairing with a powerline device.
	Green	Slow Blinking	The device is in power saving mode.
	Red		Solid on as soon as it is powered on
		Solid on after it is powered on for a	The extender is in poor condition; try changing another wall receptacle until the light turns to green.

		while	
	/	Off	The WiFi is disabled.
	Green	Solid on	The WiFi is enabled.
	Green	Quick Blinking	The device is performing WiFi cloning.

## Buttons & Ports for PA6

Button/Port	Description
	<ul style="list-style-type: none"> <li>Press it to perform pairing process.</li> <li>When the device is in standby mode, press it to wake up it.</li> </ul>
	<ul style="list-style-type: none"> <li>When the WiFi function is enabled, press it to perform WiFi cloning process.</li> <li>Hold it down for about 6 seconds to disable WiFi.</li> <li>When the WiFi function is disabled, press it to enable WiFi.</li> </ul>
Reset	Hold it down for about 6 seconds to restore to factory settings.
LAN	Used to connect to wired devices, such as computer, router, and so on.

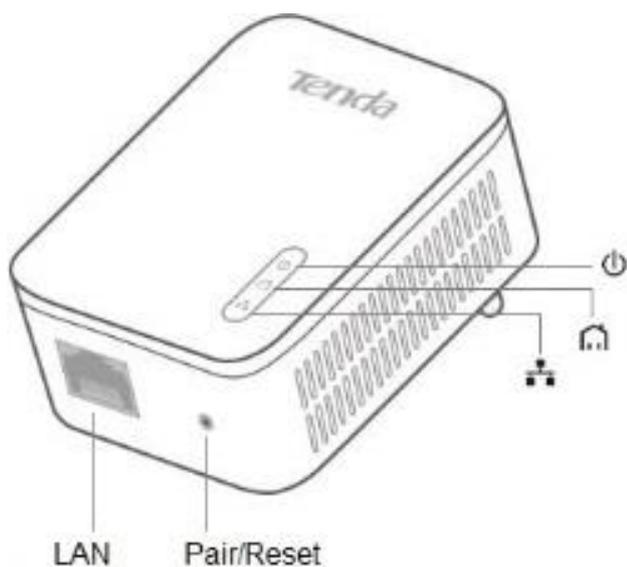
## Label for PA6



1: It specifies the MAC address of PA6.

2: It specifies the default WiFi name of PA6.

## P3



## LED Indicators for P3

LED	Color	Status	Description
⏻	/	Off	The device is NOT connected to a power supply.
	Green	Solid on	The device is connected to a power supply.
	Green	Slow blinking	The device is in power saving mode.
🏠	/	Off	The device does not pair with other powerline devices, or is powered off.
	Green	Solid on	The device is connected to a powerline network.
	Green	Fast blinking	The device is pairing with a powerline device.
🌐	Red	Solid on	The powerline signal of P3 is poor; try plugging the adapter closer to your router or modem until this LED turns green.
	/	Off	No Ethernet cable is detected on the Ethernet port.
	Green	Solid on	The Ethernet cable is connected properly.

## Button & Port for P3

Interface/Button	Description
LAN	Used to connect to a router, computer, and so on.

Pair/Reset	Press it to perform pairing process.
	Hold it down for about 6 seconds to restore factory settings.

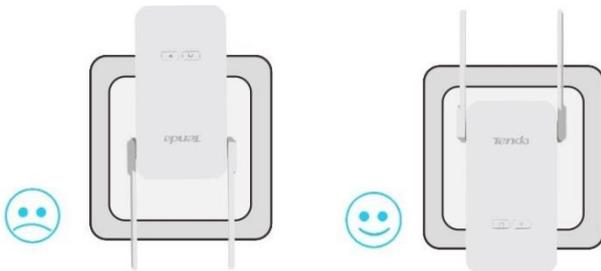
## 1.5 Installation Requirement

Take PA6 as an example.

- Plug PA6 directly into a wall receptacle. Do not plug it into power strip or extension cord.



- Avoid plugging the powerline devices near the appliances that consume a lot of power, such as washers, dryers, or electric kettle.
- Keep the powerline device right side up.



- Installation Environment Requirement  
 Operating Temperature: 0°C~40°C  
 Operating Humidity: (10~90) % RH, non-condensing

# 2 Quick Setup

## 2.1 Installing the devices

Perform the following steps to enable PA6 to access the internet if your wireless router supports WPS function.

**Step 1** Use an Ethernet cable to connect P3 to a LAN port of your router that can access the internet, and plug it into a wall receptacle nearby.



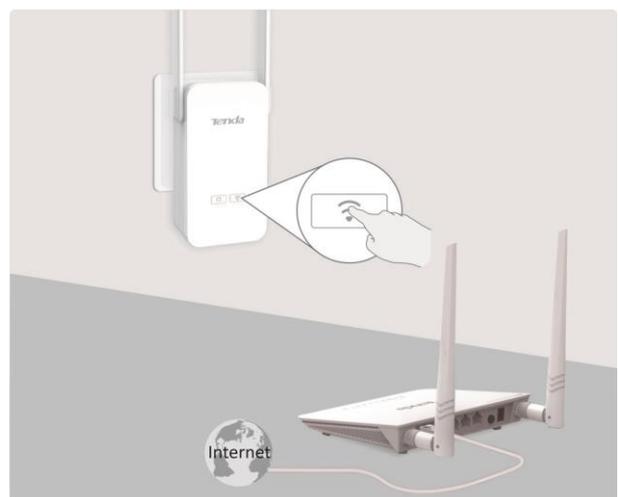
**Step 2** Plug PA6 into a wall receptacle near the router.

**Step 3** Press the WPS button on your router to perform WPS negotiation process.



**TIP**  
If the WPS function of your router is disabled by default, verify that it is enabled before you press the WPS button to perform WPS negotiation process. For details, refer to the user guide of your router.

**Step 4** Within 2 minutes, hold down  button on PA6 for 3 seconds, and wait until  LED indicator blinks quickly for a few seconds.



**Step 5** After the  LED indicator turns solid on, relocate PA6 to a wall receptacle where you need WiFi coverage.

--End

Then you can use your wireless devices to connect the wireless name of PA6 (The WiFi name and password have been changed to the same ones as those of your wireless router) for internet access.

And connect a wired device to any LAN port of PA6 for internet access using an Ethernet cable.



If the  LED indicator stays blinking for 2 minutes, the WiFi cloning process (to copy the WiFi user name and password of your wireless router) may fail. You need to perform step 3 and step 4 again to clone the WiFi. Or you can log in to the web UI of PA6 to change the WiFi name and password manual. Refer to [Changing the WiFi Name and Password](#) for details.

Perform the following steps to enable PA6 to access the internet if your wireless router does not support WPS function:

**Step 1** Connect P3 to your router that can access the internet, and plug it into a wall receptacle nearby.

**Step 2** Plug PA6 into a wall receptacle where you need WiFi coverage, and wait until  LED indicators on both P3 and PA6 turn solid on.

--End

Then you can use your wireless devices to connect the default wireless name of PA6 for internet access. The default WiFi name is labeled on PA6, and no WiFi password is set by default.

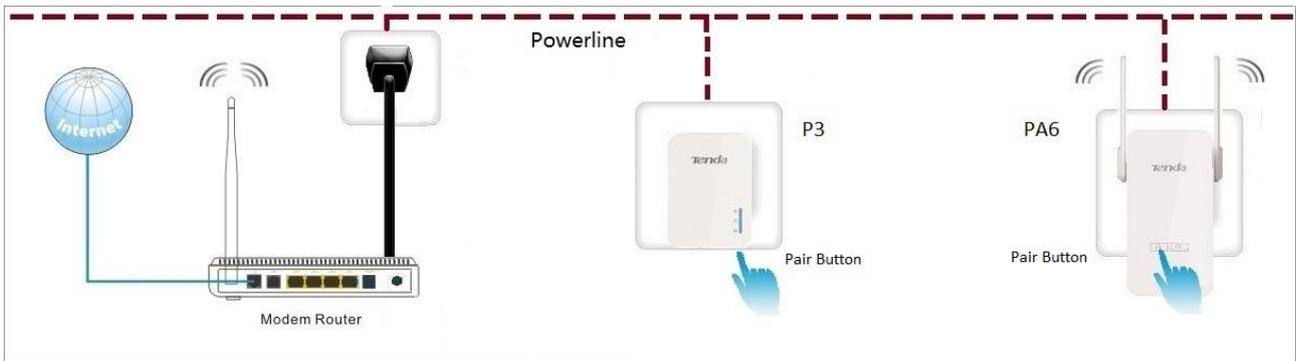
Or connect the wired device to any LAN port of PA6 for internet access using an Ethernet cable.



If you want to change the WiFi name of PA6, or set a WiFi password, refer to [Changing the WiFi Name and Password](#).

## 2.2 Securing Your Powerline Network

When you plug both PA6 and P3 into wall receptacles, they automatically establish an unencrypted powerline network named "HomePlugAV". In this case, all powerline devices who are compliant with HomePlugAV standard can add to the powerline network without permission. To secure your powerline network, you can use  button on PA6 and **Pair** button on P3 to make the two powerline devices pair with each other to establish an encryption powerline network.



Perform the following steps to establish an encrypted powerline network:

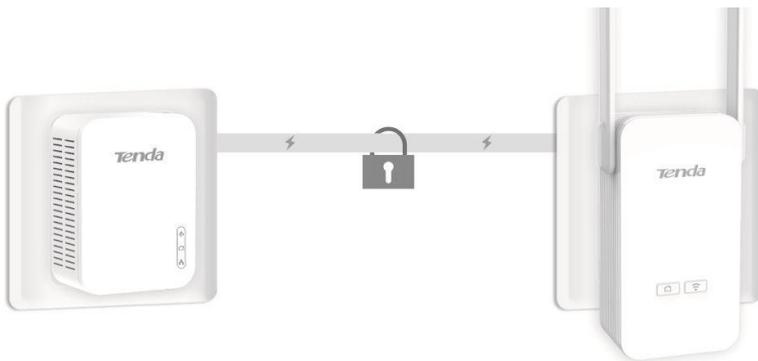
**Step 1** Plug PA6 and P3 into wall receptacles.

**Step 2** Press **Pair** button on P3, and wait until the  LED indicator blinks quickly.

**Step 3** Press  button on PA6, and wait until the  LED indicator blinks quickly.

**Step 4** Observe the  LED indicators on both P3 and PA6 until they turn solid on which indicates that an encrypted powerline network is established.

--End



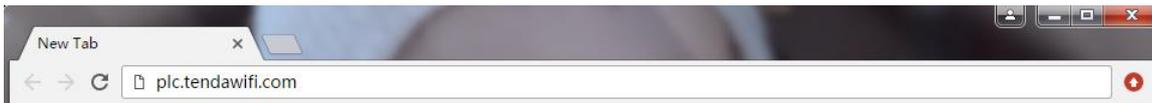
**TIP**  
If you want to add more powerline devices into an encrypted powerline network, press the pair button on any powerline device in the powerline network, and then press the pair button of the new powerline device you want to add.

# 3 Configuring PA6

## 3.1 Login

**Step 1** Connect your computer to PA6 using an Ethernet cable, or connect your computer to the WiFi network of PA6.

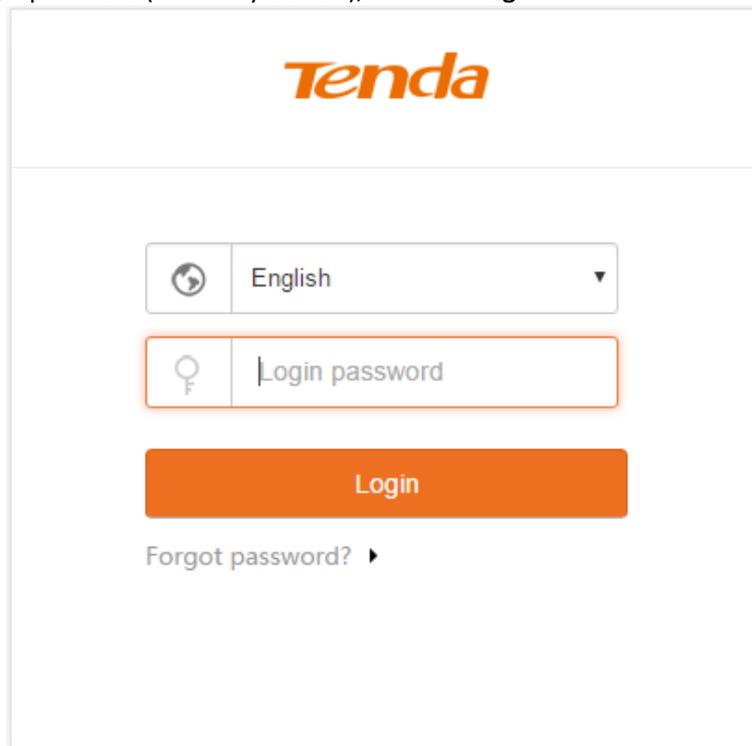
**Step 2** Start a web browser, enter **plc.tendawifi.com** in the address bar, and press **Enter** on the keyboard.



**Step 3** Select a displayed language for the web UI.

The web UI can be displayed in 11 languages (English, Deutsch, Español, Français, Italiano, Polski, Română, Magyar, Português, Türkçe and Русский).

**Step 4** Enter the login password (**admin** by default), and click **Login**.

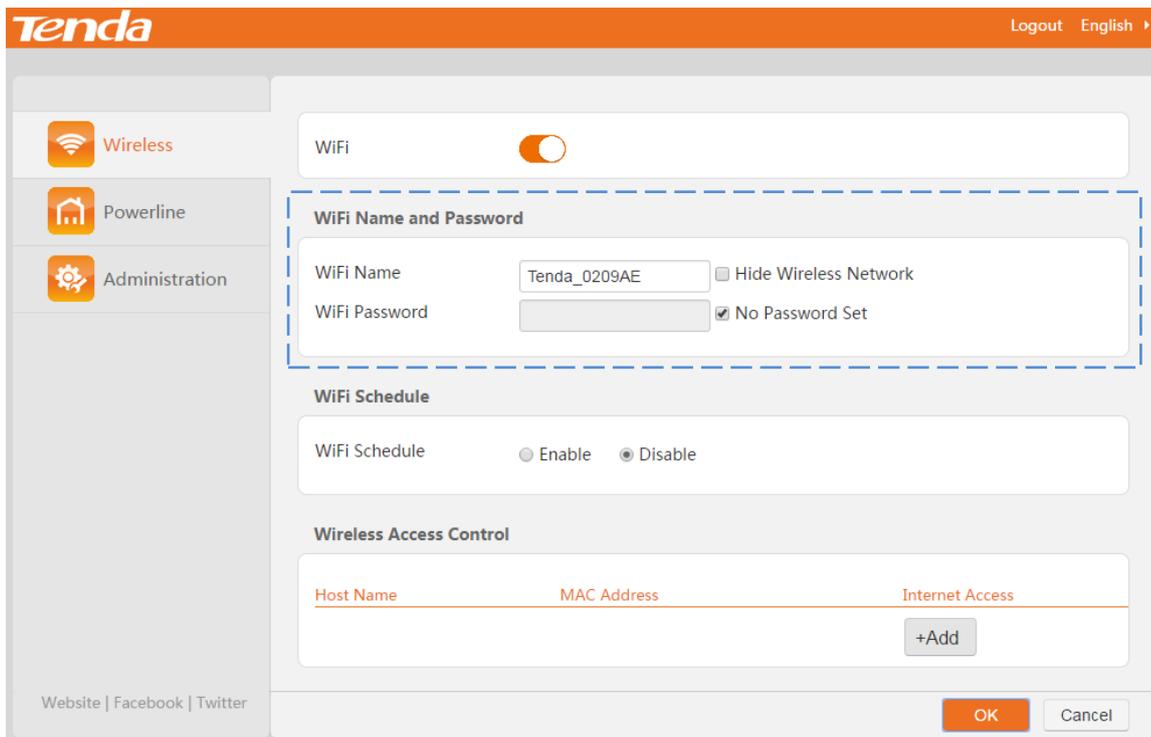
A screenshot of the Tenda login page. At the top, the 'Tenda' logo is displayed in orange. Below the logo is a language selection dropdown menu currently set to 'English'. Underneath is a password input field with a key icon on the left and the placeholder text 'Login password'. Below the input field is an orange 'Login' button. At the bottom of the form area, there is a link that says 'Forgot password?' with a right-pointing arrow.

--End

## 3.2 Wireless

### 3.2.1 Changing the WiFi Name and Password

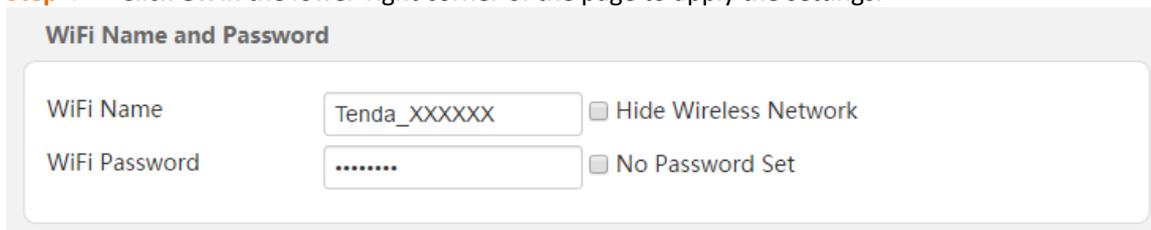
**Step 1** [Log in to the web UI of PA6](#), choose **Wireless**, and locate the **WiFi Name and Password** part.



**Step 2** Specify a WiFi name.

**Step 3** Deselect **No Password Set** option, and specify a WiFi password.

**Step 4** Click **OK** in the lower-right corner of the page to apply the settings.



--End

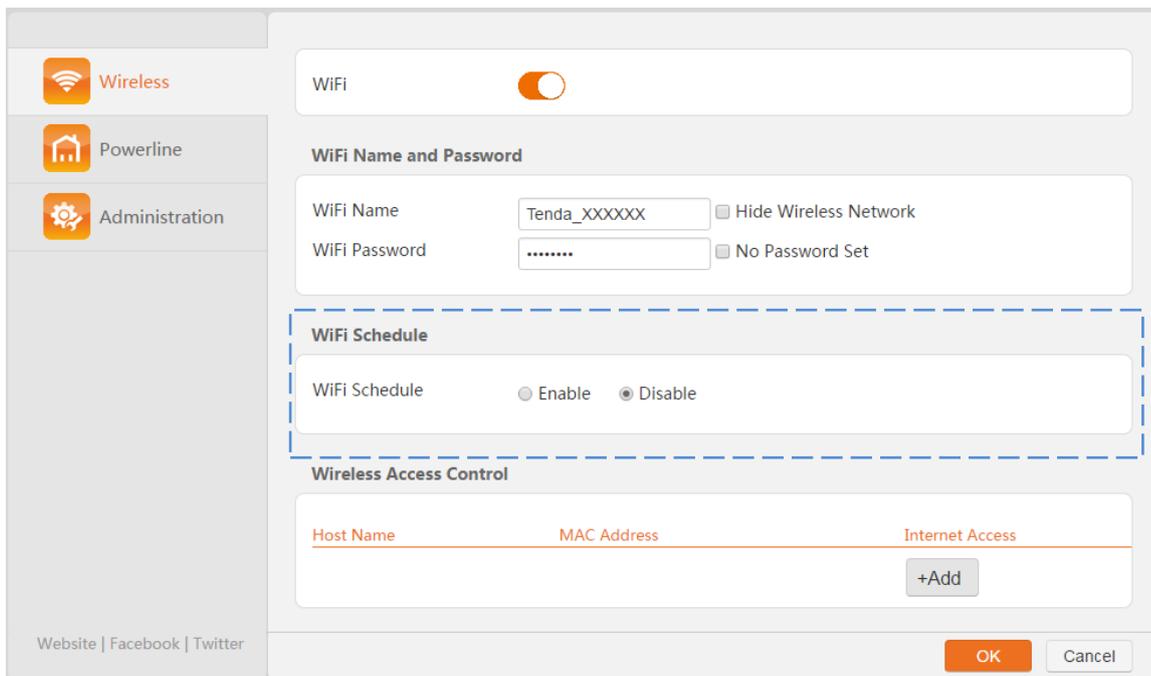
#### Parameters Description

Parameter	Description
WiFi Name	It specifies the wireless network name of PA6.
Hide Wireless Network	If this option is selected, wireless clients cannot find the wireless network of PA6. You must manually enter the WiFi name on your wireless clients to connect them to the wireless network.
WiFi Password	It specifies the wireless network password of PA6.

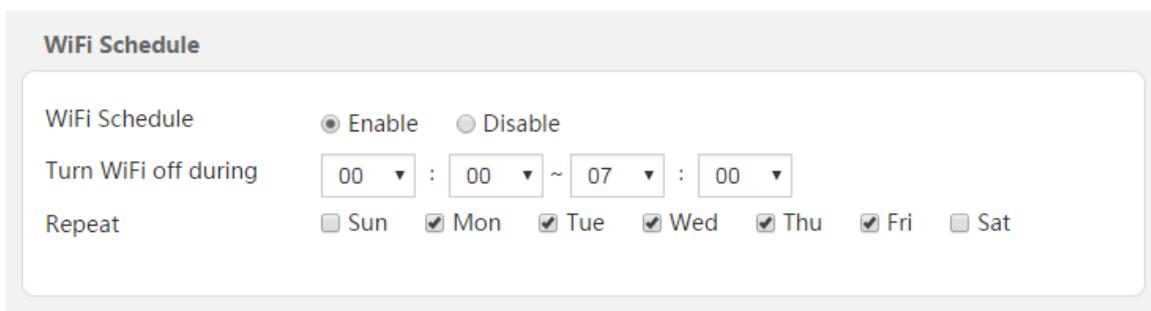
### 3.2.2 Setting a WiFi Schedule

You can use this function to specify when to disable the WiFi network.

**Step 1** [Log in to the web UI of PA6](#), choose **Wireless**, and locate the **WiFi Schedule** part.

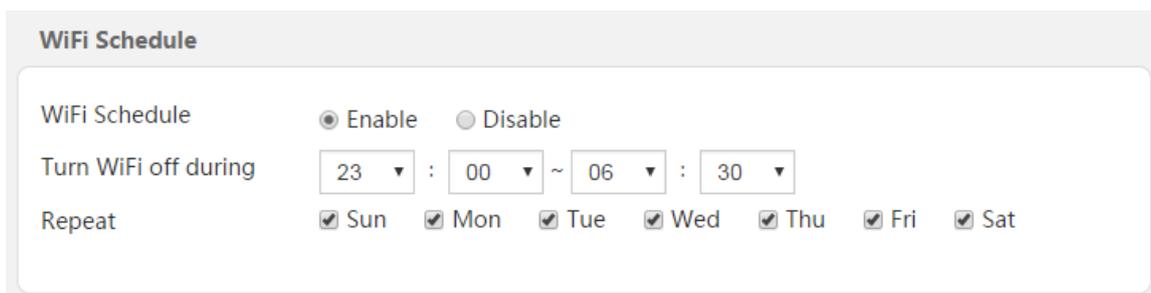


**Step 2** Select **Enable**.



**Step 3** Specify a period when you want to disable the WiFi, which is **11:00 pm - 06:30 am** in this example.

**Step 4** Select the days to which this rule applies, which are **Sunday to Saturday** in this example.



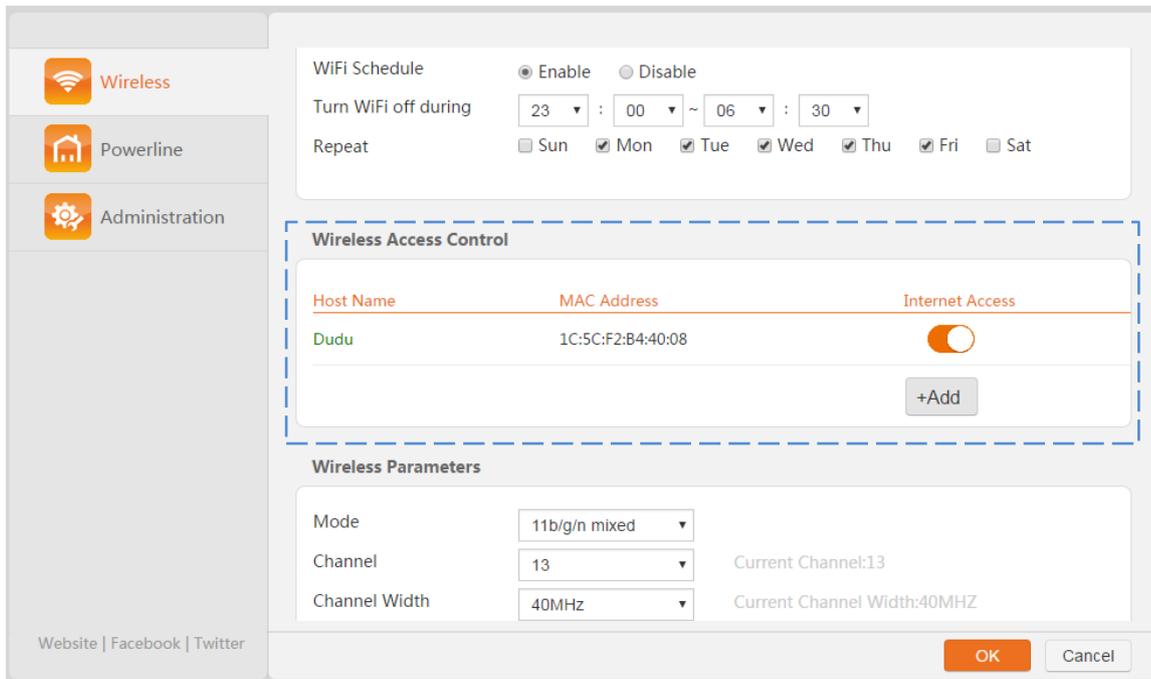
**Step 5** Click **OK** in the lower-right corner of the page to apply the settings.

--End

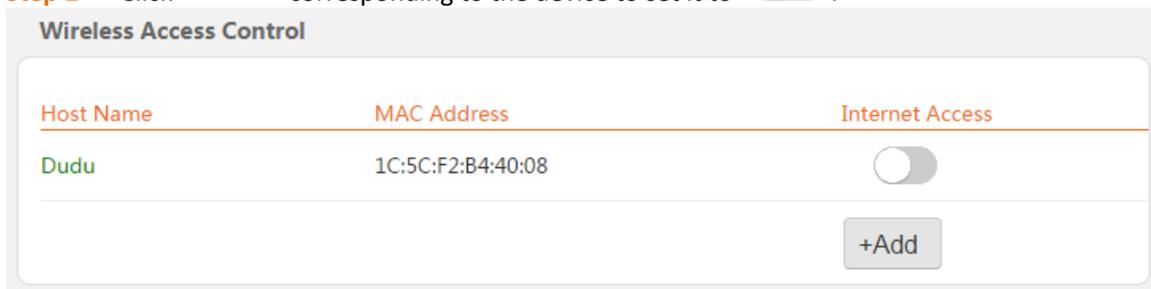
### 3.2.3 Blocking an Unknown Device

If you want to disallow an unknown device to connect to the WiFi, perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose **Wireless**, and locate the **Wireless Access Control** part.



**Step 2** Click  corresponding to the device to set it to .



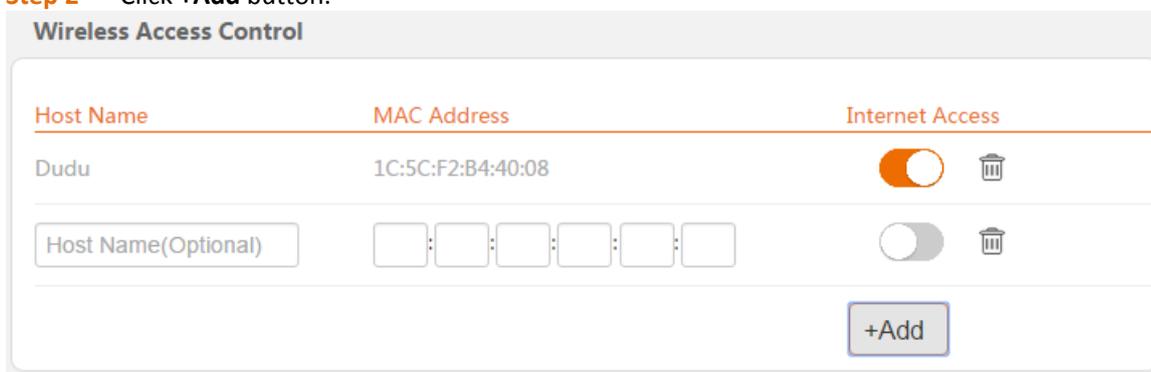
**Step 3** Click **OK** in the lower-right corner of the page to apply the settings.

--End

If you want to block a device that is offline, you need to check its MAC address, and then perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose **Wireless**, and locate the **Wireless Access Control** part.

**Step 2** Click **+Add** button.



**Step 3** Specify a name for the device, which is **Smart Phone of Kid** in this example.

**Step 4** Enter the MAC address of the device, which is **38:BC:1A:AF:D1:1F** in this example.

**Step 5** Click **OK** in the lower-right corner of the page to apply the settings.

Host Name	MAC Address	Internet Access
Dudu	1C:5C:F2:B4:40:08	<input checked="" type="checkbox"/>
Smart Phone of Kid	38:BC:1A:AF:D1:1F	<input type="checkbox"/>

--End



If you want to unblock a device, click  corresponding to the device to set it to , and click **OK**. Or Click to remove it from the list, and click **OK**.

### 3.2.4 Configuring Wireless Parameters

To configure wireless parameters, perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose **Wireless**, and locate the **Wireless Parameters** part.

The screenshot shows the PA6 web UI. On the left is a navigation menu with 'Wireless', 'Powerline', and 'Administration'. The main content area is titled 'Wireless Access Control' and contains a table with two rows: 'Dudu' (MAC: 1C:5C:F2:B4:40:08) and 'Smart Phone of Kid' (MAC: 38:BC:1A:AF:D1:1F). Each row has an 'Internet Access' toggle and a trash icon. Below the table is a '+Add' button. A dashed blue box highlights the 'Wireless Parameters' section, which includes three dropdown menus: 'Mode' (set to '11b/g/n mixed'), 'Channel' (set to 'Auto', with 'Current Channel:13' displayed), and 'Channel Width' (set to '40MHz', with 'Current Channel Width:40MHZ' displayed). At the bottom right are 'OK' and 'Cancel' buttons. The footer contains 'Website | Facebook | Twitter'.

**Step 2** Select a network mode.

**Step 3** Select a wireless channel.

**Step 4** Select a channel width.

**Step 5** Click **OK** in the lower-right corner of the page to apply the settings.

--End

## Parameters Description

Parameter	Description
Mode	<b>11b/g/n mixed:</b> Only 802.11b, 802.11g, and 802.11n devices are allowed to connect the WiFi.
	<b>11b:</b> Only 802.11b devices are allowed to connect the WiFi.
	<b>11g:</b> Only 802.11g devices are allowed to connect the WiFi.
	<b>11b/g:</b> Only 802.11b and 802.11g devices are allowed to connect the WiFi.
Channel	Do not change the channel unless you experience wireless connection failures or slow data transmission. If this happens, try different channels to identify the optimal channel.
Channel Width	<b>Auto:</b> This is the default channel bandwidth. Keep the default value
	<b>20MHz:</b> Select this bandwidth if you experience wireless connection failures.
	<b>40MHz:</b> Select this bandwidth to maximize the wireless throughput.

## 3.3 Powerline

### 3.3.1 PLC Network Settings

To configure PLC network settings, perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose Powerline and locate the **PLC Network Settings** part.

PLC Network Settings			
Network Name	<input type="text" value="HomePlugAV"/>	<input type="button" value="Default"/>	
MAC Address	<input type="text" value="C8:3A:35:02:09:B0"/>		
PLC Device List			
Device Name	MAC Address	Tx Rate	Rx Rate
<input type="text" value="PLC Adapter"/>	00:1F:84:88:66:54	608Mbps	740Mbps

**Step 2** Specify a network name.

**Step 3** Click **OK** in the lower-right corner of the page to apply the settings.

--End



If you change the Network Name of PA6, it will exit from the current powerline network after the settings take effect.

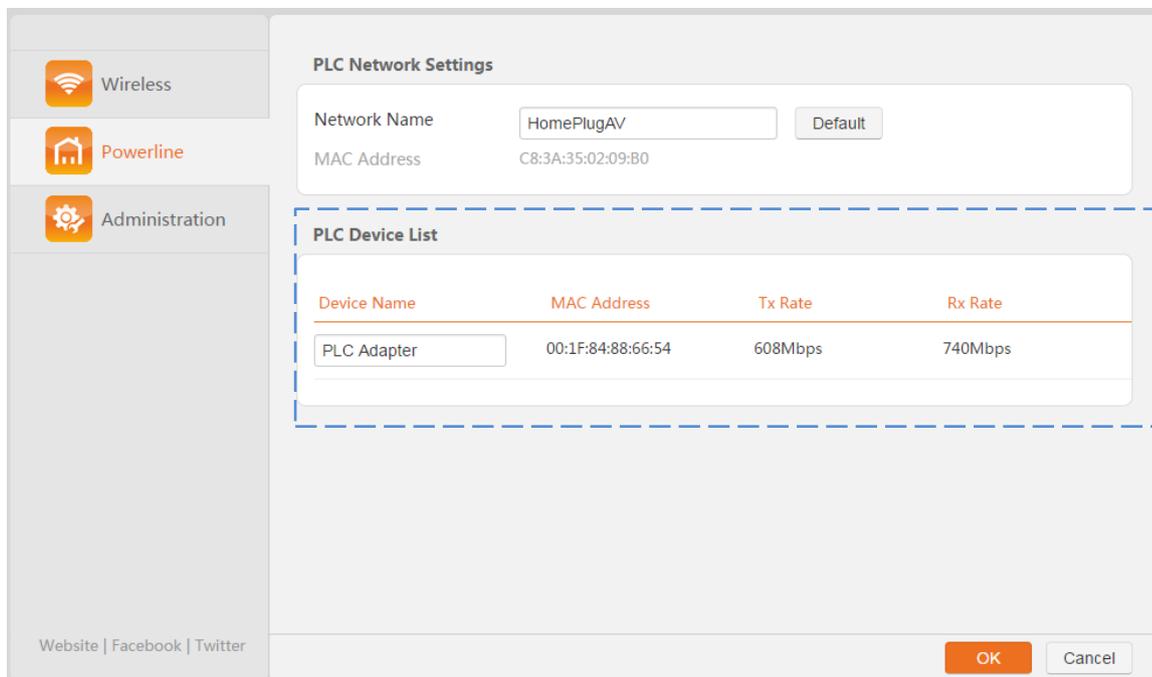
### Parameters Description

Parameter	Description
Network Name	<p>It specifies the name of the powerline network where PA6 resides. The default powerline network name is <b>HomePlugAV</b> which indicates that this is an unencrypted powerline network.</p> <p> <b>Tips</b></p> <ul style="list-style-type: none"><li>• The powerline devices that have the same network name belong to the same powerline network. And the powerline devices in different powerline networks cannot communicate with each other.</li><li>• Powerline devices which are compliant with HomePlugAV standard can establish an unencrypted powerline network named is <b>HomePlugAV</b>.</li></ul>
Default	Clicking <b>Default</b> button restores the default powerline network name.
MAC Address	It specifies the MAC address of this PA6.

## 3.3.2 PLC Device List

[Log in to the web UI of PA6](#), choose **Powerline**.

The PLC Device List displays all the other devices in the home powerline network of PA6.



The screenshot shows the PA6 web UI. On the left is a navigation menu with three items: 'Wireless' (with a Wi-Fi icon), 'Powerline' (with a house icon), and 'Administration' (with a gear icon). The 'Powerline' option is selected. The main content area is titled 'PLC Network Settings' and contains two input fields: 'Network Name' with the value 'HomePlugAV' and a 'Default' button, and 'MAC Address' with the value 'C8:3A:35:02:09:B0'. Below this is a section titled 'PLC Device List' which contains a table with the following data:

Device Name	MAC Address	Tx Rate	Rx Rate
PLC Adapter	00:1F:84:88:66:54	608Mbps	740Mbps

At the bottom of the main content area are 'OK' and 'Cancel' buttons. At the bottom left of the page, there are links for 'Website | Facebook | Twitter'.

### Parameters Description

Parameter	Description
Device Name	<p>It specifies the name of the powerline device.</p> <p>You can specify a unique device name for each device in the powerline network for easy</p>

	recognition, for example, First floor Adapter.
MAC Address	It specifies the MAC address of the powerline device.
Tx Rate	It specifies rate at which the device transmits data over the powerline network.
Rx Rate	It specifies rate at which the device receives data over the powerline network.

## 3.4 Administration

### 3.4.1 Changing the Login Password

The Login password is used to log in to the web UI of PA6. The default one is **admin**.

Perform the following steps if you want to change it.

**Step 1** [Log in to the web UI of PA6](#), choose **Administration**, and move to **Login Password** part.

**Step 2** Set **Old Password** to the current password **admin**.

**Step 3** Set **New Password** to a new password.

**Step 4** Set **Confirm Password** to the new password again.

**Step 5** Click **OK** in the lower-right corner of the page to apply the settings.

--End

## 3.4.2 Configuring Network Settings

If P3 is connected to a router that can access the internet properly, and PA6 has paired with P3, PA6 obtains an IP address from the router. Then you can access the internet after connecting to PA6. In this case, you do not need to configure the network settings of PA6.

If the router cannot assign IP addresses to its clients, you need to configure network settings manually. Check the IP address pool and LAN IP address of the router. Perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose **Administration**, and move to **Network Settings** part.

The screenshot shows the 'Network Settings' page in the PA6 web UI. On the left, there is a navigation menu with 'Wireless', 'Powerline', and 'Administration' (selected). The main content area is divided into three sections: 'Network Settings', 'Date & Time', and 'Device Management'. In the 'Network Settings' section, 'DHCP Client' is checked 'Enable'. The 'LAN IP' is 192.168.0.102, 'Subnet Mask' is 255.255.255.0, 'Default Gateway' is 192.168.0.1, and 'DNS Server' is 192.168.0.1. The 'Date & Time' section shows 'Time Zone' as '(GMT+01:00)Amsterdam, Berlin, Ber' and 'Current Date & Time' as '2017-5-27 09:46:53'. The 'Device Management' section has buttons for 'LED Indicators' (Disable) and 'Reboot Device' (Reboot). At the bottom right, there are 'OK' and 'Cancel' buttons.

**Step 2** Unselect the **Enable** option.

**Step 3** Enter an IP address belonging to the IP address pool of the router, which is **192.168.1.102** in this example.

**Step 4** Enter the subnet mask of the IP address, which is **255.255.255.0** in this example.

**Step 5** Set **Default Gateway** to the LAN IP address of the router, which is **192.168.1.1** in this example.

**Step 6** Set **DNS Server** to the LAN IP address of the router, which is **192.168.1.1** in this example.

**Step 7** Click **OK** in the lower-right corner of the page to apply the settings.

The screenshot shows the 'Network Settings' page in the PA6 web UI after configuration. The 'DHCP Client' is now unselected. The 'LAN IP' is 192.168.1.102, 'Subnet Mask' is 255.255.255.0, 'Default Gateway' is 192.168.1.1, and 'DNS Server' is 192.168.1.1.

--End

### 3.4.3 Setting Date & Time

Time-based functions, such as WiFi Schedule, require correct time zone settings.

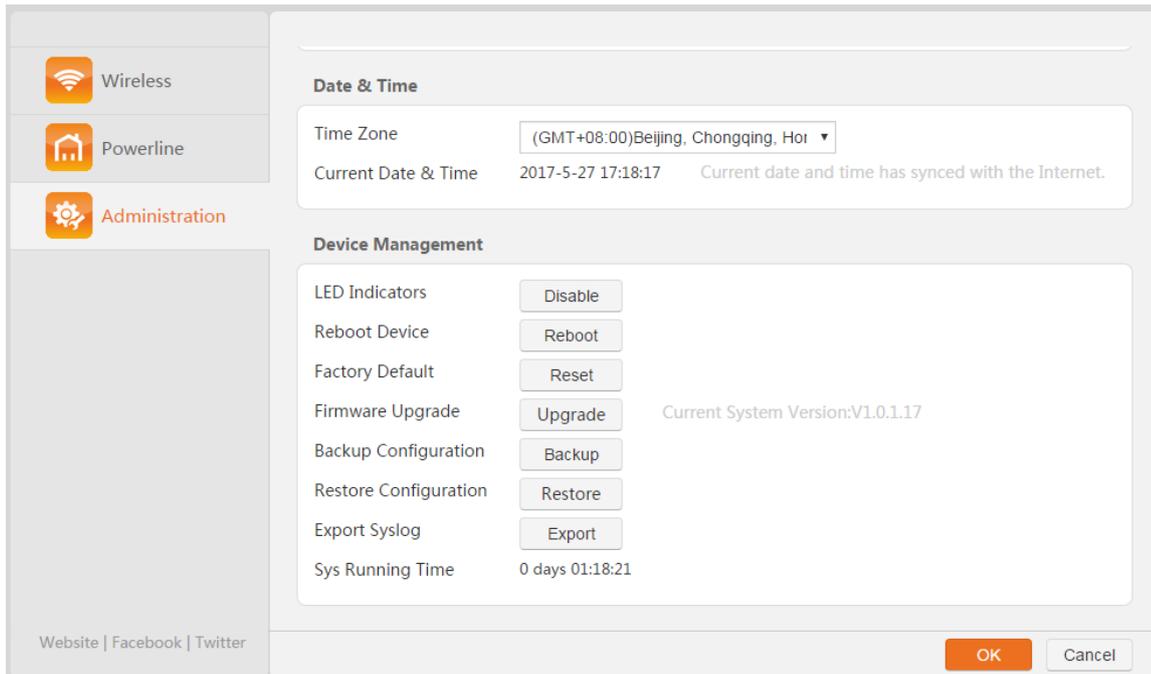
To set the time zone of PA6, perform the following steps:

**Step 1** [Log in to the web UI of PA6](#), choose **Administration**, and move to **Date & Time** part.

**Step 2** Select your time zone, and Click OK in the lower-right corner of the page to apply the settings.

--End

After the settings are saved, check whether the time displayed in **Current Date & Time** is correct.



### 3.4.4 Device Management

#### Turning off LED Indicators

If the LED indicators of PA6 are disturbing you, you can turn them off on the web UI without unplugging PA6.

**Step 1** [Log in to the web UI of PA6](#), choose **Administration**, and move to **Device Management**.

**Step 2** Click **Disable**.

**Device Management**

LED Indicators	Disable	Current System Version:V1.0.1.17
Reboot Device	Reboot	
Factory Default	Reset	
Firmware Upgrade	Upgrade	
Backup Configuration	Backup	
Restore Configuration	Restore	
Export Syslog	Export	
Sys Running Time	0 days 00:00:57	

--End



PA6 is still working when the LED indicators are off. Turn the LED indicators on if you need to observe them. To turn on the LED indicators, click **Enable** on the web UI.

### 3.4.5 Rebooting PA6

Rebooting PA6 activates any modified settings on it. When the parameters you set cannot take effect or PA6 cannot be used normally, please try rebooting it to solve these problems. Note that when PA6 is rebooting, do not unplug it.

**Step 1** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 2** Move to **Device Management** part, and click **Reboot**.

**Device Management**

LED Indicators	Disable	Current System Version:V1.0.1.17
Reboot Device	Reboot	
Factory Default	Reset	
Firmware Upgrade	Upgrade	
Backup Configuration	Backup	
Restore Configuration	Restore	
Export Syslog	Export	
Sys Running Time	0 days 00:00:57	

**Step 3** Click **OK** on the pop-up window.

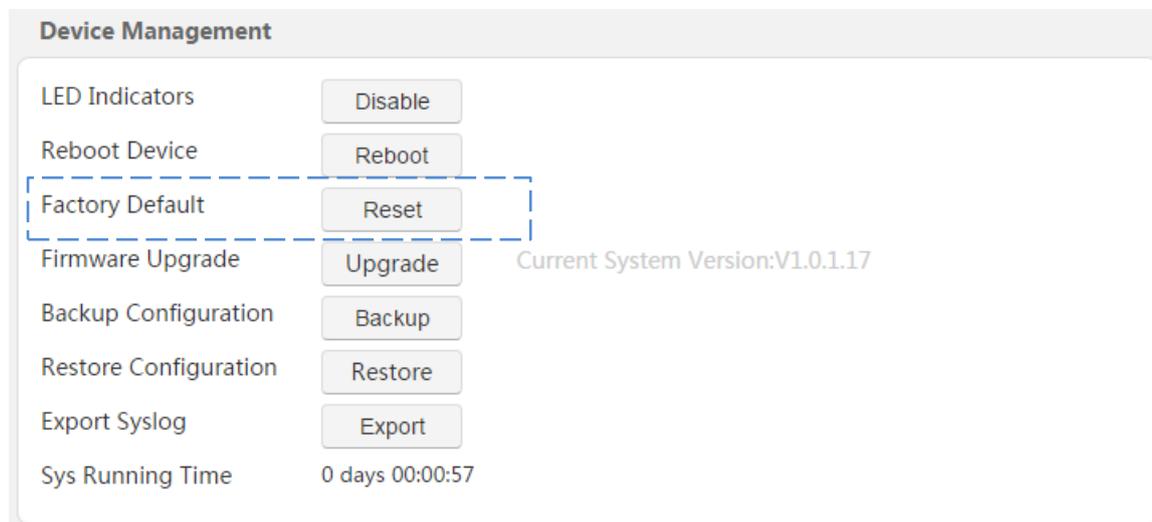
--End

## 3.4.6 Resetting PA6

Hold down the **Reset** hardware button for 6 seconds to reset PA6, or perform the following steps to reset it:

**Step 1** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 2** Move to **Device Management part**, and click **Reset**.



**Step 3** Click **OK** on the pop-up window.

--End



You are recommended not to reset PA6:

- You forget the login password of the web UI of PA6 unless.
  - PA6 does not work well, and you want to reconfigure it.
  - You cannot access the internet, and Tenda technical support recommends you to restore factory default settings.
- 

## 3.4.7 Upgrading PA6

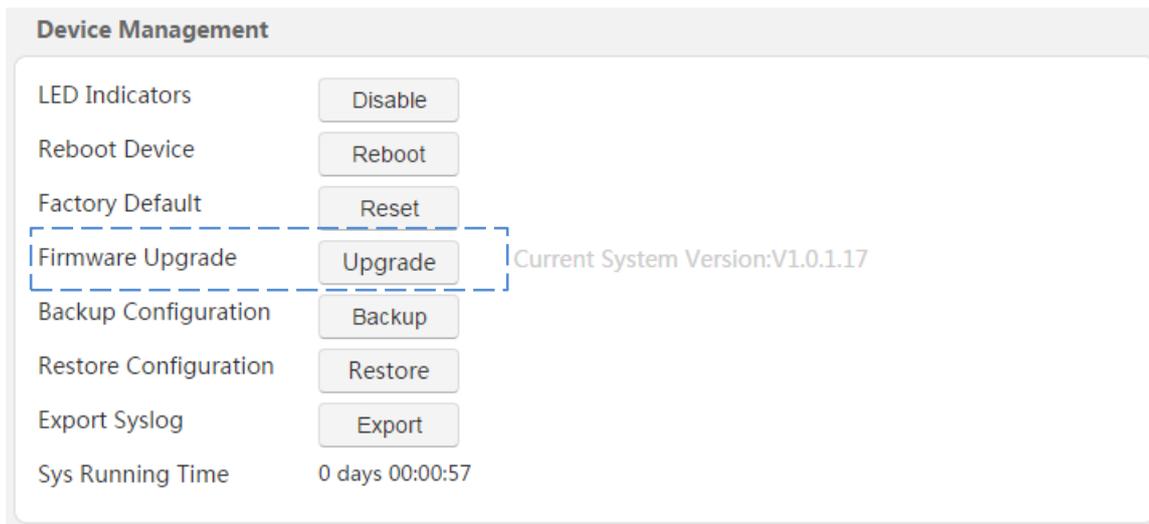
Tenda website offers the latest firmware version for PA6. Perform the following steps to upgrade PA6:

**Step 1** Start a web browser, and visit [www.tendacn.com](http://www.tendacn.com).

**Step 2** Enter **PA6** in the search box, and download the latest firmware to your local host.

**Step 3** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 4** Move to **Device Management part**, and click **Upgrade**.



**Step 5** Select the firmware, and click **OK** on the pop-up window.

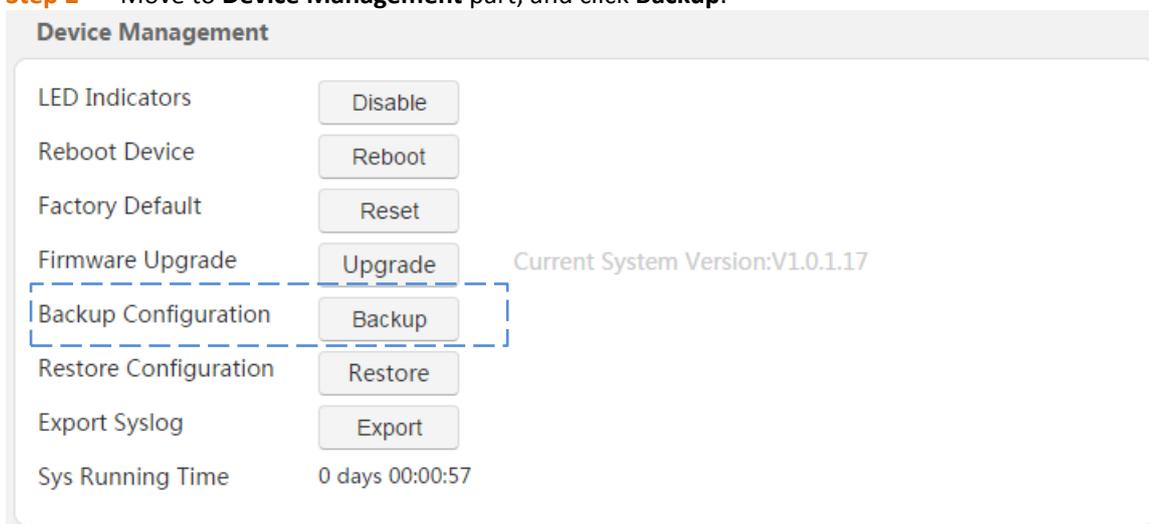
--End

### 3.4.8 Backing up the Configuration

If you find PA6 works properly with the current configuration, you can back up the configuration, so that you can restore it when required.

**Step 1** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 2** Move to **Device Management** part, and click **Backup**.



**Step 3** Click **OK** on the pop-up window.

**Step 4** Save the file (with file extension .conf) to your host.

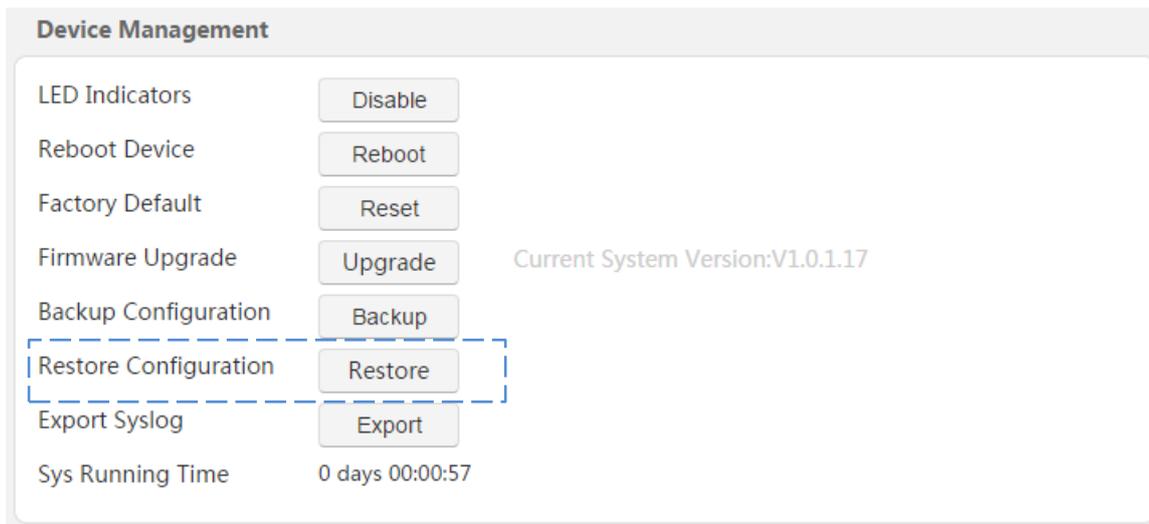
--End

### 3.4.9 Restoring the Configuration

If you have backed up a configuration of PA6, you can restore PA6 to the configuration when required. In this way, you do not need to configure the settings manually. Perform the following steps to restore the settings:

**Step 1** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 2** Move to **Device Management** part, and click **Restore**.



**Step 3** Select the backup file, and click **OK** on the pop-up window.

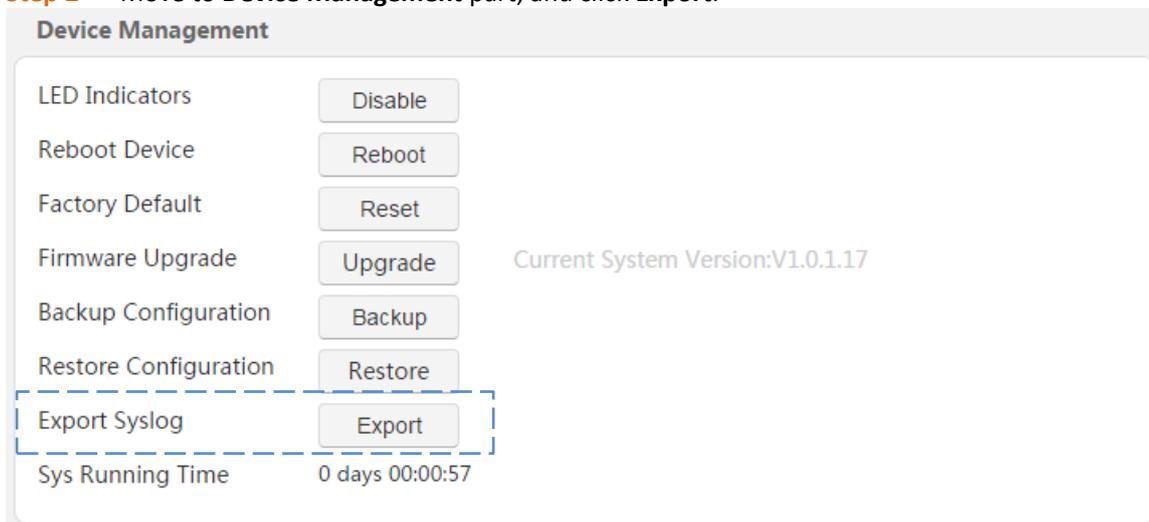
--End

### 3.4.10 Exporting System Logs

When encountering a problem, you can export the system logs and send them to Tenda technical support for troubleshooting.

**Step 1** [Log in to the web UI of PA6](#), and click **Administration**.

**Step 2** Move to **Device Management** part, and click **Export**.



**Step 3** Click **OK** on the pop-up window.

--End

# 4 Appendix

## 4.1 Connecting a Computer to the WiFi Network

A computer can connect to the WiFi network of the router only if it has a wireless network adapter.

### Windows 8

- Step 1** Right-click  in the lower-right corner of the desktop.
- Step 2** Select the WiFi network of the router from the network list that appears.
- Step 3** Follow the onscreen instruction to perform operation.



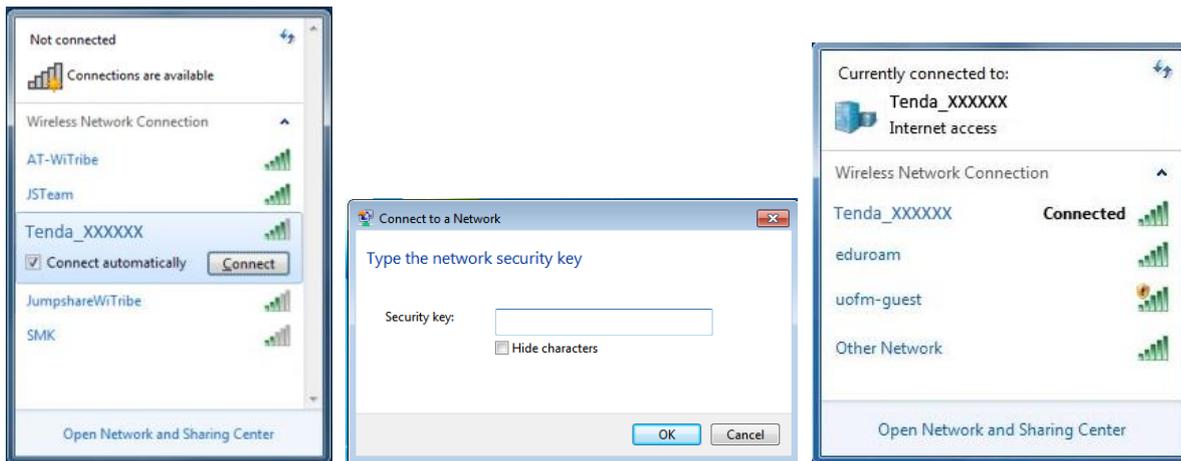
--End



- If you cannot find the  icon, move the cursor to the upper-right corner of the desktop, choose **Settings > Control Panel > Network and Internet > Network and Sharing Center**, click **Change adapter settings**, right-click **WiFi**, and choose **Disable**. Then, right-click **WiFi**, and choose **Enable**.
- If the WiFi network is not detected, check whether the Airplane mode is enabled.

### Windows 7

- Step 1** Right-click  in the lower-right corner of the desktop.
- Step 2** Select the WiFi network of the router from the network list that appears.
- Step 3** Follow the onscreen instruction to perform operation.



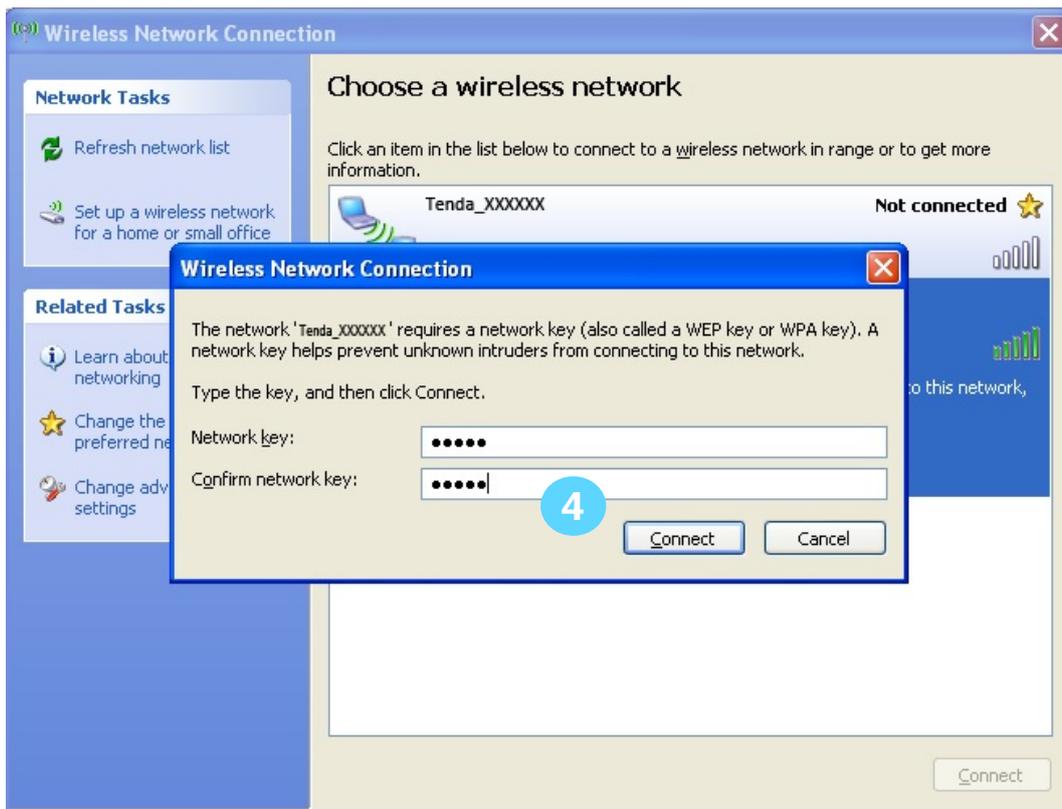
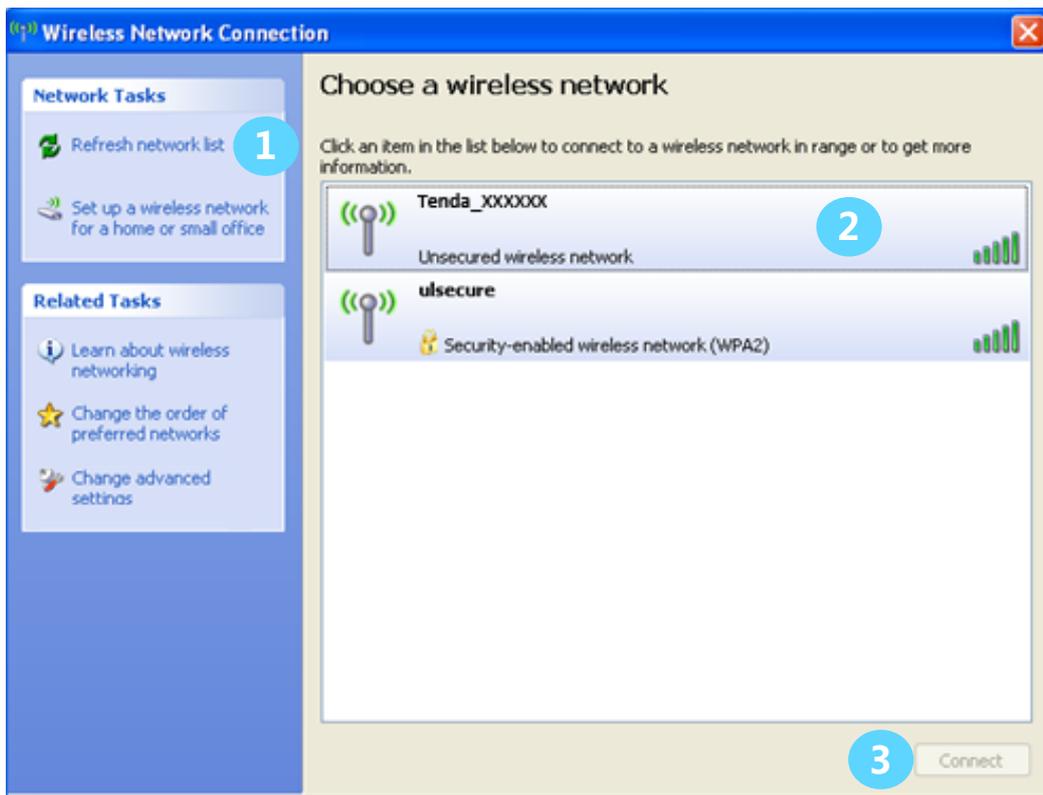
--End

 NOTE

- If you cannot find the  icon, choose **Start > Control Panel > Network and Internet > Network and Sharing Center**, click **Change adapter settings**, right-click **Wireless Network Connection**, and choose **Disable**. Then, right-click **Wireless Network Connection**, and choose **Enable**.
- If the wireless network is not detected, click  in the upper-right corner to refresh the list of wireless networks.

## Windows XP

- Step 1** Click  in the lower-right corner of the desktop.
- Step 2** Select the WiFi network from the list that appears.
- Step 3** Follow the onscreen instructions to perform operations.



--End

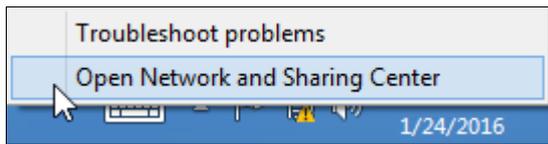
If the computer is connected to the network, **Connected** appears.

## 4.2 Configuring the Computer

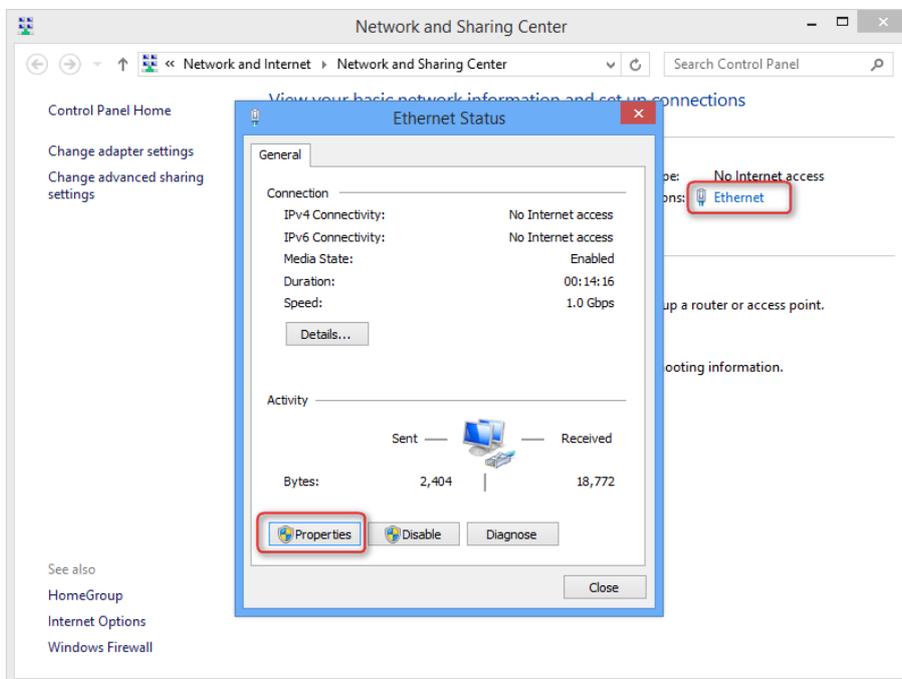
Perform the configuration procedure corresponding to [Windows 8](#), [Windows 7](#), or [Windows XP](#), depending on your OS. A computer installed with a wired network adapter is used as an example to describe the procedures. The procedures for configuring computers installed with a wireless network adapter are similar to these procedures.

### Windows 8

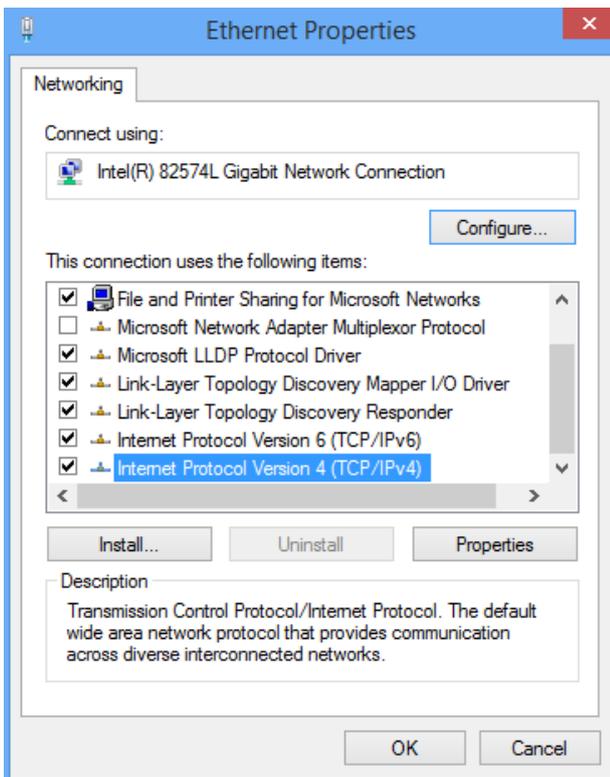
**Step 1** Right-click  in the lower-right corner of the desktop and choose **Open Network and Sharing Center**.



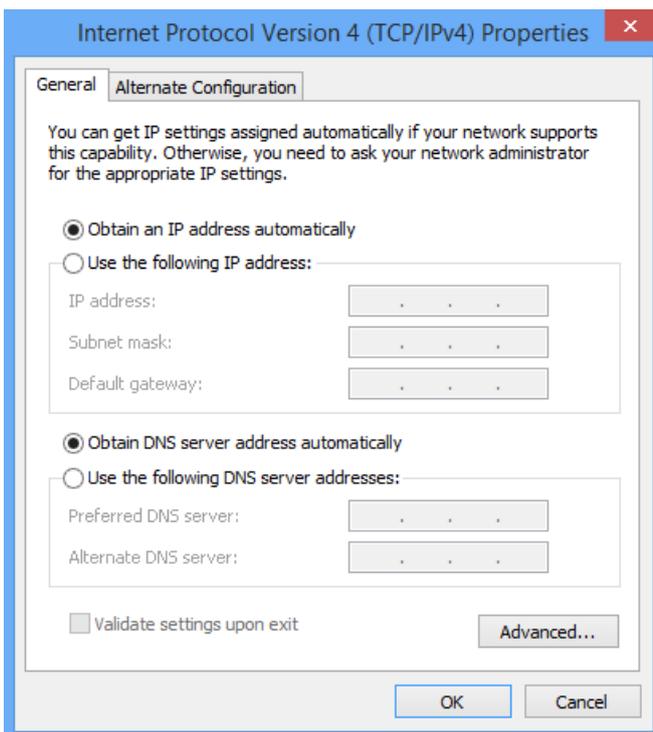
**Step 2** Click **Ethernet** and then **Properties**.



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



**Step 4** Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and click **OK**.

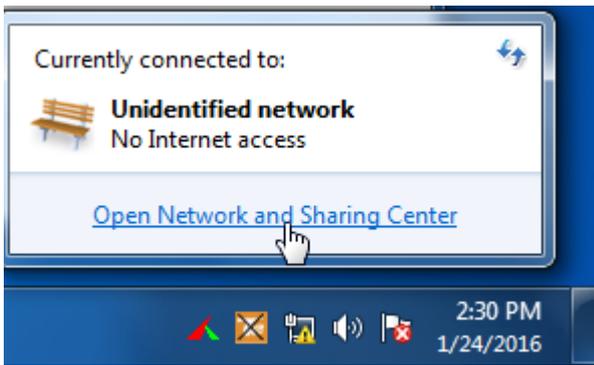


**Step 5** Click **OK** in the **Ethernet Properties** window.

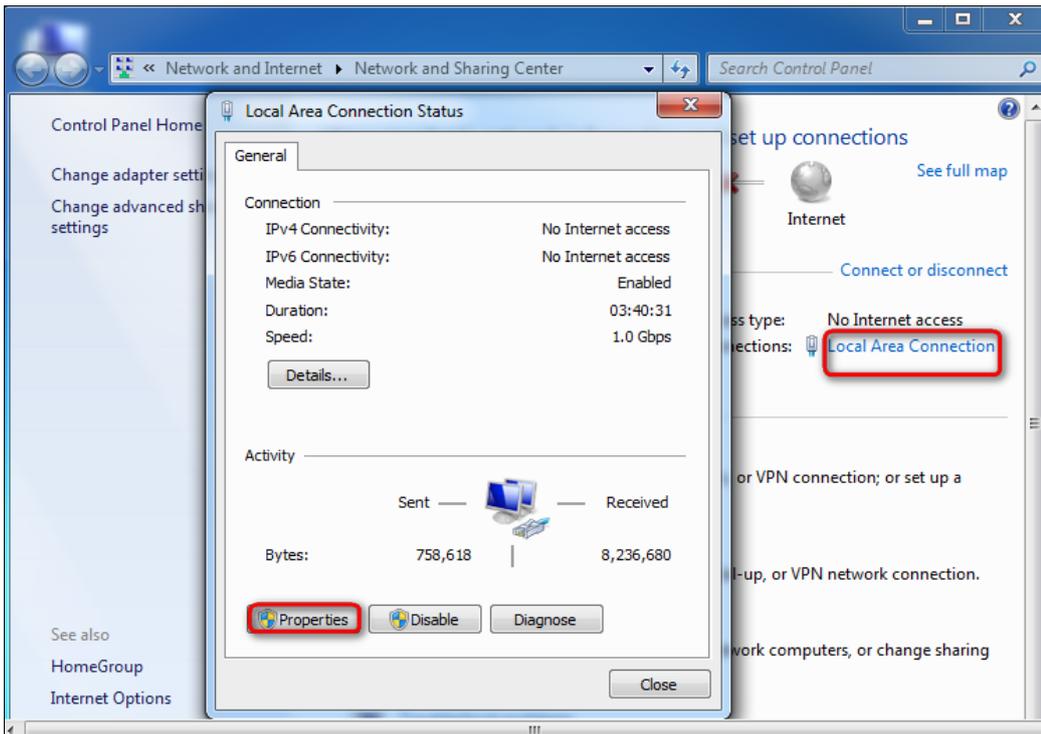
---End

## Windows 7

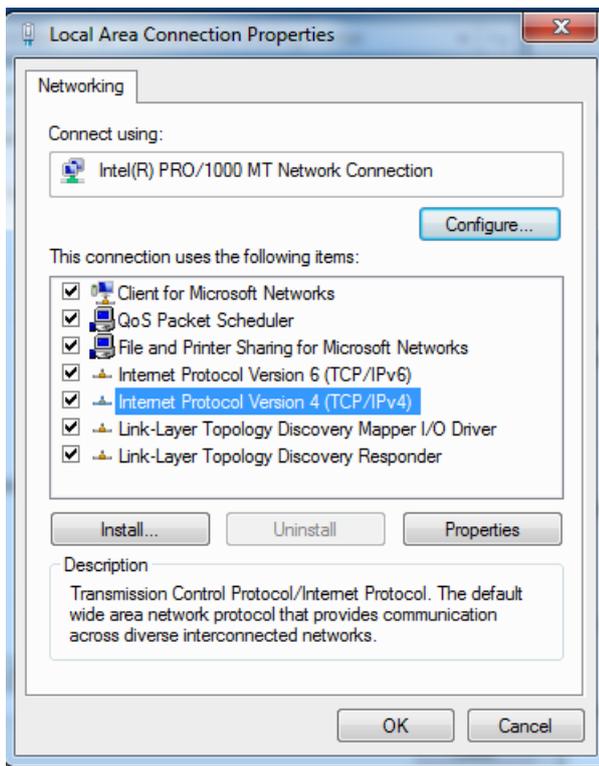
**Step 1** Click  in the lower-right corner of the desktop and choose **Open Network and Sharing Center**.



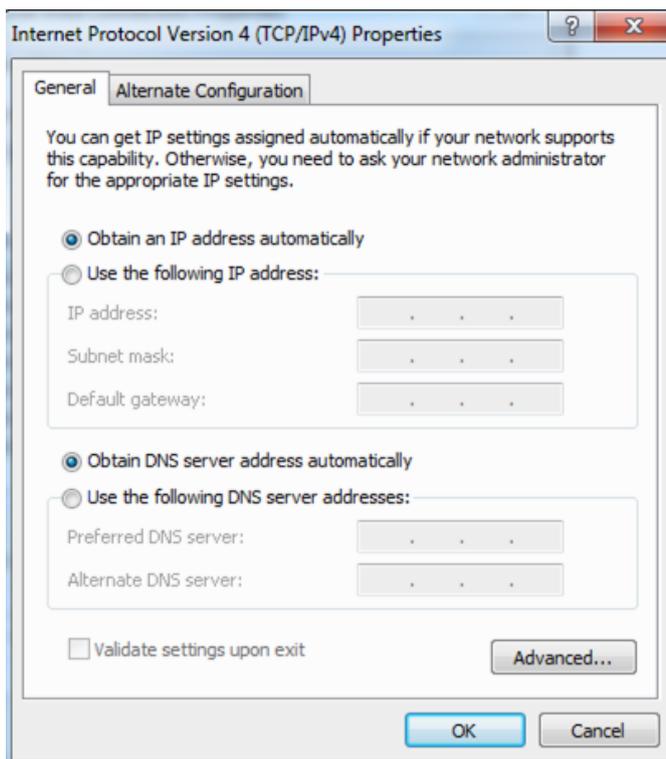
**Step 2** Click **Local Area Connection** and then **Properties**.



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



**Step 4** Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and click **OK**.



**Step 5** Click **OK** in the **Local Area Connection Properties** window.

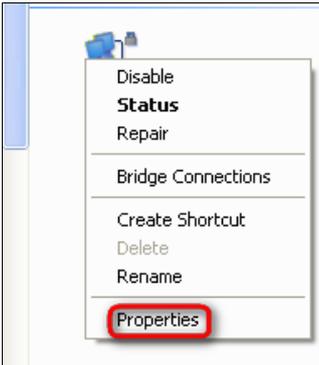
---End

## Windows XP

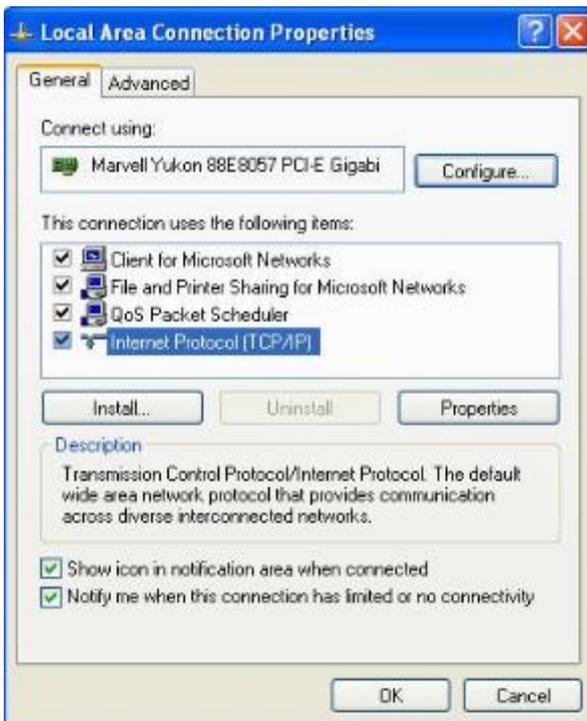
**Step 1** Right-click **My Network Places** on the desktop and choose **Properties**.



**Step 2** Right-click **Local Area Connection** and choose **Properties**.



**Step 3** Double-click **Internet Protocol (TCP/IP)**.



**Step 4** Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and click **OK**.



**Step 5** Click **OK** in the Local Area Connection Properties window.

---End

## 4.3 FAQ

**Q1: I cannot access the Internet after finishing the operations described in Installing the devices, what should I do?**

**A1: Use the following method to troubleshoot the fault.**

- Verify that your wireless router, P3, and PA6 are connected properly.
- Verify that your router can access the internet normally. If not, please check the settings of your router.
- Verify that your computer has been set to obtain an IP address automatically. Please refer to [Configuring Your computer](#) for details.
- Observe the PLC LED indicators on P3 and PA6, and verify that they turn solid. Or log in to the web UI of PA6, choose **Powerline**, and locate the **PLC Device List** part, and verify that P3 is listed.
- Try using the pair button to pair PA6 and P3. Please refer to [Securing Your Powerline Network](#) if you don't know how to use pair button.

**Q2: Can a single P3 establish a Powerline network?**

**A2:** No. A minimum of two P3 are required. One should be connected to a modem or router, the other to a client such as a computer.

**Q3: Can a PA6 be used without a P3?**

**A3:** Yes. A single PA6 can be used as an access point which should be connected to a modem or router via an Ethernet cable. However, one single PA6 cannot extend the internet connection through powerline.

**Q4: Should all powerline adapters be in a same electrical circuit?**

A4: Yes. You should plug the powerline adapters into the wall receptacles in a same electric circuit if you want to create a powerline network.

**Q5: How to pair two adapters?**

**A5:** Perform the following steps:

1. Plug one adapter into a wall receptacle, and plug the other adapter into another wall receptacle nearby.
2. Press the pair button on the first adapter. The PLC LED indicator blinks.
3. Press the pair button on the second adapter. The PLC LED indicator blinks.

When the PLC LED indicators on both adapters turn solid on, they succeed in pairing with each other.

## 4.4 Safety and 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 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.

**Declaration of Conformity**

Hereby, SHENZHEN TENDA TECHNOLOGY CO. LTD. declares that the radio equipment type PA6 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.tendacn.com/en/service/page/ce.html>

Operate Frequency:

2.4G: EU/2400-2483.5MHz (CH1-CH13)

EIRP Power (Max.):

2.4GHz: 19.93dBm

Software Version: V1.0.1.11



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

-for PLUGGABLE EQUIPMENT , the socket-socket shall be installed near the equipment and Shall be easily accessible.

### **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 socket 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.

