

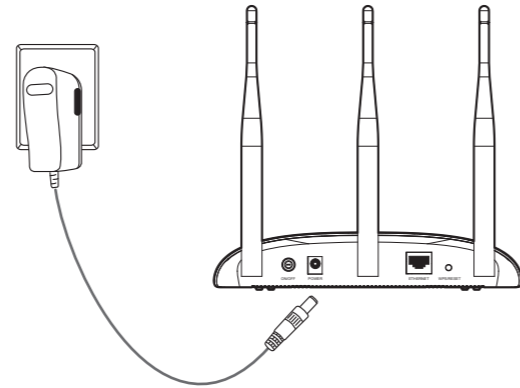
# 1 Connecting the Device for Configuration

## Quick Installation Guide 450Mbps Wireless N Access Point

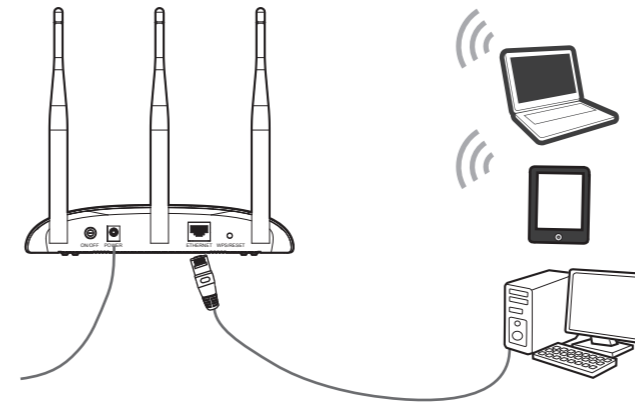
MODEL NO. TL-WA901ND



**1** Plug the provided power adapter into the power jack on the back of the Access Point, and the other end to a standard electrical wall socket. Then press the **ON/OFF** button to power on the device.



**2** Connect to the Access Point with the Ethernet cable or via wireless. The default wireless network name (SSID) of the Access Point is TP-LINK\_AP\_XXXX. The default password is on the label at the bottom of the Access Point. Please check the label at the bottom of the unit for more details.



**Note** If the distance between the outlet and the Access Point is too long to supply the power, you can refer to the Power over Ethernet (PoE) solution in **Appendix 1: With PoE Setup**.

**3** LED explanation:

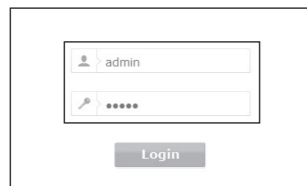
LED	Status	Indication
Power	On	The device is on.
	Off	The device is off.
	Flashing	The device is initializing or upgrading.
Ethernet	On	A device is connected to the Ethernet port.
	Off	No device is connected to the Ethernet port.
Wireless	On	The wireless is working properly.
	Off	The wireless is disabled.
WPS	On	A wireless device has been successfully added to the network by WPS function.
	Off	The WPS function is disabled or a wireless device failed to be added to the network in 2 minutes after WPS function is enabled.
	Flashing	A wireless device is connecting to the network by WPS function. This process will last in the first 2 minutes.

**Note** If the LEDs display abnormally, please check to see if all the cable connectors (power adapter and Ethernet cable) are well connected to your device.

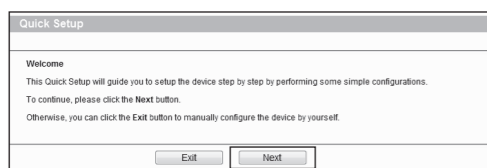
# 2 Configuring the Device

Please make sure that your wired device's IP address is set as **Obtain an IP address automatically** before configuring the device.

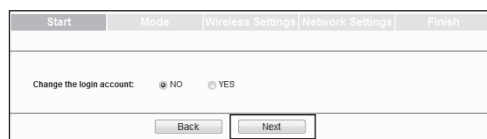
- Open your web browser, type in <http://tplinkap.net> in the address bar and press **Enter**.
- A dialog box will prompt you for the **User name** and **Password**. Enter the default values (both are **admin**) and click **Login**.



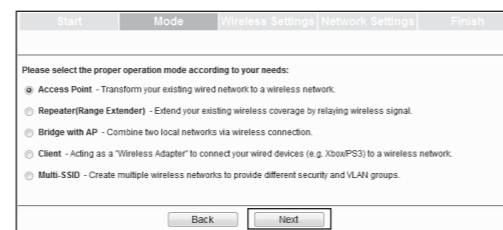
- After successfully logging in, the Quick Setup page will display. Click **Next**.



- Then you will see the Start page shown as below. Click **Next** to continue.

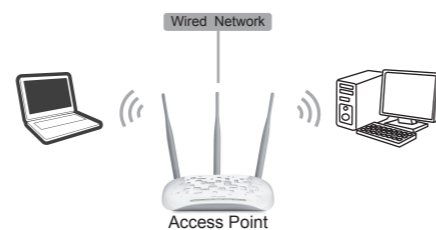


- The Operation Mode page will appear then. The TL-WA901ND supports up to five operation modes. Please select the proper operation mode according to your needs.



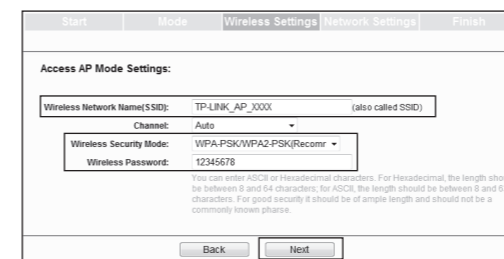
### a) Access Point Mode Introduction

In this mode, the product will act as a wireless central hub for your wireless LAN clients, giving a wireless extension for your current wired network.



### Settings

- Create an easy-to-remember name for your wireless network.
- Select **WPA-PSK/WPA2-PSK (Recommended)** mode and enter a wireless password below to prevent unauthorized access to your AP.
- Click **Next**.



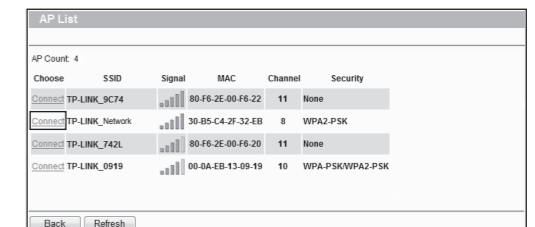
### b) Repeater (Range Extender) Mode Introduction

In this mode, the product can extend the coverage of another wireless Access Point or Router.



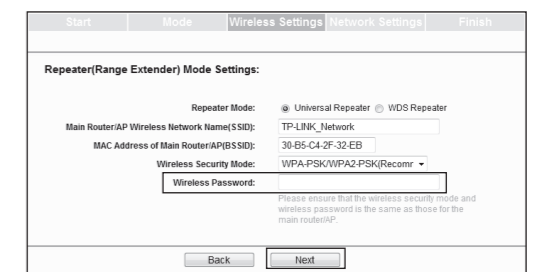
### Settings

- Select the **Repeater (Range Extender)** mode and click **Next**.
- A few seconds later, the AP list page will appear as the figure shown below. Find the SSID of the main Router/AP that you want to repeat, and then click **Connect** in the corresponding row.



- The following page will appear.

**Universal Repeater** is recommended as for better compatibility, the security mode will be selected automatically, please confirm it and enter the password of your main Router/AP. Click **Next**.



**Note** The setup for **WDS Repeater** mode is similar to that of **Universal Repeater** mode.

## 2 Configuring the Device (continued)

### c) Bridge with AP mode

#### Introduction

In this mode, the product can wirelessly connect two or more remote LANs together.



#### Settings

1. Select the **Bridge with AP mode** and click **Next**.
2. A few seconds later, the AP list page will appear as the figure shown below. Find the SSID of the main Router/AP that you want to bridge, and then click **Connect** in the corresponding row.

Choose	SSID	Signal	MAC	Channel	Security
Connect	TP-LINK_9C74	80-F6-2E-00-F6-22	11	None	
Connect	TP-LINK_Network	30-B5-C4-2F-32-EB	8	WPA2-PSK	
Connect	TP-LINK_742L	80-F6-2E-00-F6-20	11	None	
Connect	TP-LINK_0919	00-0A-EB-13-09-19	10	WPA-PSK/WPA2-PSK	

3. The following page will appear.

Choose the security mode and enter the password according to your main Router/AP.

Create a name and password for the Local Wireless Network. Click **Next**.

Bridge with AP Mode Settings:

Main Router/AP Wireless Network Name(SSID): TP-LINK\_Network  
 MAC Address of Main Router/AP(BSSID): 30-B5-C4-2F-32-EB  
 WDS Mode: Auto  
 Wireless Security Mode: [Dropdown]

Please ensure that the wireless security mode and wireless password is the same as those for the main router/AP.

Local Wireless Setting:

Local Wireless Network Name: TP-LINK\_AP\_XXXX (also called SSID)  
 Wireless Security Mode: WPA-PSK/WPA2-PSK(Recommend)  
 Wireless Password: [Input field]

You can enter ASCII or Hexadecimal characters. For Hexadecimal, the length should be between 8 and 64 characters; for ASCII, the length should be between 8 and 63 characters. For good security it should be of ample length and should not be a commonly known phrase.

### d) Client Mode

#### Introduction

In this mode, the product will act as a wireless adapter to connect your wired devices (eg. IPTV Set-top-box, Smart TVs, Game Consoles, DVD and Blu-ray Players, etc.) to a wireless network.



#### Settings

1. Select the **Client mode** and click **Next**.
2. A few seconds later, the AP list page will appear as the figure shown below. Find the SSID of the main Router/AP that you want to bridge, and then click **Connect** in the corresponding row.

Choose	SSID	Signal	MAC	Channel	Security
Connect	TP-LINK_9C74	80-F6-2E-00-F6-22	11	None	
Connect	TP-LINK_Network	30-B5-C4-2F-32-EB	8	WPA2-PSK	
Connect	TP-LINK_742L	80-F6-2E-00-F6-20	11	None	
Connect	TP-LINK_0919	00-0A-EB-13-09-19	10	WPA-PSK/WPA2-PSK	

3. The following page will appear.

The security mode will be selected automatically, please confirm it and enter the password of your main Router/AP. Click **Next**.

Client Mode Settings:

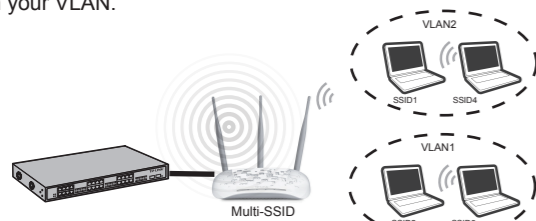
Main Router/AP Wireless Network Name(SSID): TP-LINK\_Network  
 MAC Address of Main Router/AP(BSSID): 30-B5-C4-2F-32-EB  
 Enable WDS: [Checked]  
 Wireless Security Mode: WPA-PSK/WPA2-PSK(Recommend)  
 Wireless Password: [Input field]

Please ensure that the wireless security mode and wireless password is the same as those for the main router/AP.

### e) Multi-SSID Mode

#### Introduction

In this mode, the product can be assigned up to four SSIDs to work with your VLAN.



#### Settings

1. Select the **Multi-SSID mode** and click **Next**.
2. Select **ON** to enable VLAN function for this access point.
3. Configure the SSID and its corresponding VLAN ID. You can create up to 4 SSIDs and rename them.
4. Configure the wireless security for each SSID.
5. Click **Next**.

Multi-SSID Mode Settings:

Enable VLAN: [ON] [OFF] [OK]  
 Channel: Auto

SSID	Wireless Security Mode	Wireless Password	VLAN ID
SSID1: TP-LINK_AP_XXXX	WPA-PSK/WPA2-PSK(Recommend)	12345678	1
SSID2: TP-LINK_AP_XXXX_2	WPA-PSK/WPA2-PSK(Recommend)	12345678	1
SSID3: TP-LINK_AP_XXXX_3	WPA-PSK/WPA2-PSK(Recommend)	12345678	1
SSID4: TP-LINK_AP_XXXX_4	WPA-PSK/WPA2-PSK(Recommend)	12345678	1

You can enter ASCII or Hexadecimal characters. For Hexadecimal, the length should be between 8 and 64 characters; for ASCII, the length should be between 8 and 63 characters. For good security it should be of ample length and should not be a commonly known phrase.

- 6 The Network Setting page will appear then. It is recommended that you keep the default settings on this page. Click **Next**.

Network Settings:

Type: Smart IP(DHCP)  
 Note: The IP parameters cannot be configured if you have chosen Smart IP (DHCP). In this situation the device will help you configure the IP parameters automatically as you need.

IP Address: 192.168.0.254  
 Subnet Mask: 255.255.255.0  
 Note: We recommend you configure this AP with the same IP address and subnet mask, but different IP address from your root AP/router.

DHCP Server: [Disable] [Enable]

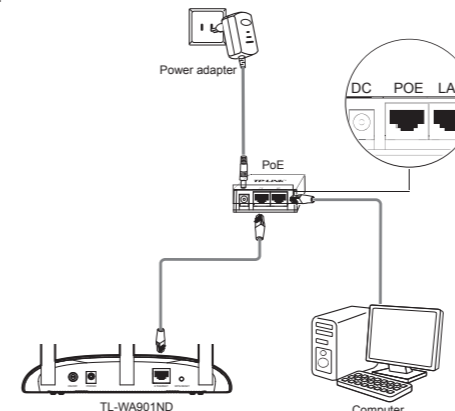
**Note** For advanced configurations on this page, please refer to the User Guide which can be download at <http://www.tp-link.com>.

- 7 After Network Settings, the Finish page will appear. Check your settings and click **Save** to save your settings on your desktop for future reference. Click the **Finish** button to finish the configuration of the Access Point.

**Note** For advanced configurations on this page, please refer to the User Guide which can be download at <http://www.tp-link.com>.

## Appendix 1: With PoE Setup

1. Turn off all your network devices, including your computer(s), power injector and the AP.
2. Connect your computer to the **LAN** port on the power injector with an Ethernet Cable.
3. Connect your AP to the **POE** port on the power injector with an Ethernet Cable.
4. Plug the provided power adapter into the **DC** jack on the power injector, and the other end to a standard electrical wall socket.
5. Then you can configure the AP according to **2 Configuring the device**.



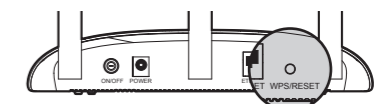
- Note**
1. Passive PoE Injector supports a maximum cable length up to 30 meters due to the environment.
  2. For longer powered cable up to 100 meters, please choose TP-LINK's 48V PoE adapters: TL-POE200 or TL-POE150S & TL-POE10R. Product information can be found on our official website <http://www.tp-link.com>.

## Appendix 2: Troubleshooting

### T1. How do I restore my AP's configuration to its factory default settings?

With the Access Point powered on, use a pin to press and hold the WPS/RESET button on the rear panel for 5 to 8 seconds before releasing it.

**Note** Once the Access Point is reset, the current configuration settings will be lost and you will need to reconfigure the Access Point.



### T2. What can I do if I forget my password?

- 1) Try to use the default user name and password: admin, admin;
- 2) Referring to the file that you have saved in **Finish** last time you configured the device, the file will show you the user name and password that you have configured.
- 3) If the password is still not the correct one, then you can try to restore the Access Point's configuration to its factory default settings referring to previous section **T1** and try to reconfigure your AP by following the instructions of this QIG.

### T3. What can I do if I cannot access the web-based configuration page?

- 1) Make sure your wired device's IP address is set as "Obtain an IP address automatically".
- 2) Check to see if you have input the correct address <http://tplinkap.net> in the address bar of your browser.
- 3) Please make sure your hardware connection is OK. You can confirm this by the LAN LED on the front panel of TL-WA901ND. If the LED of the LAN port, which your Ethernet cable is connected to, is lighting green, your hardware connection is OK; otherwise, please check your hardware connection carefully.
- 4) If the problem still persists, please feel free to contact our technical support.