TP-LINK®
The Reliable Choice

Quick Installation Guide

300Mbps Wireless N Access Point

MODEL NO. TL-WA901ND

Package Contents

TL-WA901ND

Power Adapter

Ethernet Cable

Resource CD

QIG
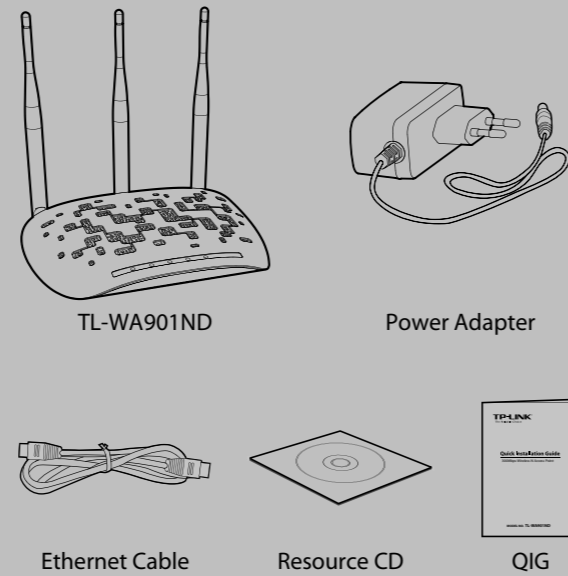
System Requirement

· Windows 8   · Windows 7   · Windows Vista   · Windows XP
· Mac OS   · UNIX   · Linux

1 Connecting the Device for Configuration

1 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_XXXXXX. Please check the label at the bottom of the unit for more details.
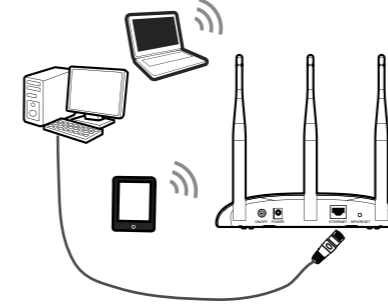
2 Plug the provided power adapter into the power jack on the back of the Access Point, and the other end to a standard electrical wall socket. Then press the **ON/OFF** button to power on the device.
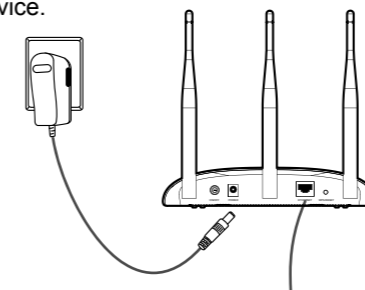
Note If the distance between the outlet and the Access Point is too long to supply the power, you can refer to the Power over Ethernet (PoE) solution in *Appendix 1: With PoE Setup*.

3 LED explanation:

LED	Status	Indication
⏻	Off	Power off.
	On	Power on.
❋	Off	The device has a system error.
	On	The device is initialising.
	Flashing	The device is working properly.
💻	Off	There is no device linked to the corresponding port.
	On	There is a device linked to the corresponding port but no activity.
	Flashing	There is an active device linked to the corresponding port.
📶	Off	The Wireless function is disabled.
	Flashing	The Wireless function is enabled.
🔒	Slow Flash	A wireless device is connecting to the network by WPS function. This process will last in the first 2 minutes.
	On	A wireless device has been successfully added to the network by WPS function.
	Quick Flash	A wireless device failed to be added to the network by WPS function.

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.

1 Open your web browser, type in *http://tplinkap.net* in the address bar and press **Enter**.

2 A dialog box will prompt you for the **User name** and **Password**. Enter the default values (both are **admin**) and click **OK**.
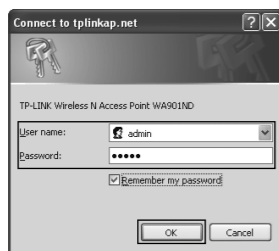
3 After successfully logging in, the Quick Setup page will display. Click **Next**.
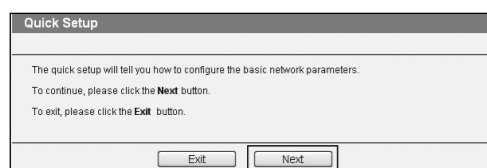
**4** Then you will see the Start page shown as below. Select your region and click **Next** to continue.

5 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 and click **Next**.

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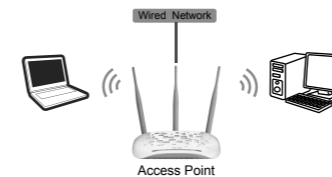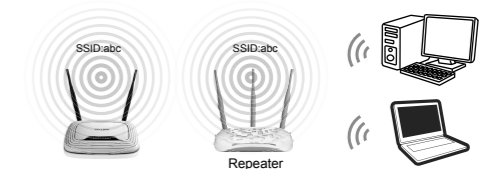
Settings
1. Create an easy-to-remember name for your wireless network.
2. Select **WPA-PSK/WPA2-PSK (Recommended)** mode and enter a wireless password below to prevent unauthorized access to your AP.
3. Click **Next**.

b) Repeater (Range Extender) Mode
Introduction
In this mode, the product can extend the coverage of another wireless Access Point or Router.

Settings
1. Select the repeater mode, **Universal Repeater** is recommended as for better compatibility. Click **Survey**.
2. The window displaying a list of available SSIDs will appear.
3. Find the SSID of the main Router/AP that you want to repeat, and then click **Connect** in the corresponding row.
4. You will then return to the previous page.
5. The security mode will be selected automatically, please confirm it and enter the password of your main Router/AP. Click **Next**.
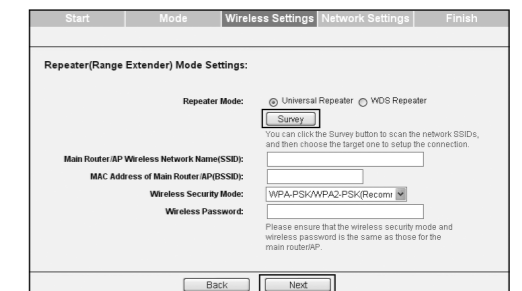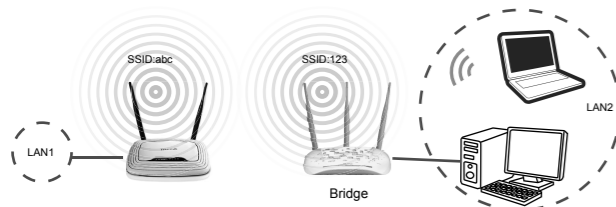
Note The setup for **WDS Repeater** mode is similar to that of **Universal Repeater** mode.

c) Bridge with AP mode

Introduction

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

Settings
1. Click **Survey**.
2. Find the SSID of the main Router/AP that you want to bridge, and then click **Connect** in the corresponding row. You will then return to the previous page.
3. The security mode will be selected automatically, please confirm it and enter the password that is the same as on the remote AP.
4. Create a name for the Local Wireless Network.
5. Click **Next**.

| Start | Mode | Wireless Settings | Network Settings | Finish |

Bridge with AP Mode Settings:

Survey
You can click the Survey button to scan the network SSIDs, and then choose the target one to setup the connection.

Main Router/AP Wireless Network Name(SSID):
MAC Address of Main Router/AP(BSSID):
Wireless Security Mode: WPA-PSK/WPA2-PSK(Recom

Wireless Password:
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_37DA36 (also called SSID)
Wireless Security Mode: No Security
If you choose No Security mode, the wireless stations will be able to connect the AP without encryption. It is recommended strongly that you choose one of following options to enable security.

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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.


Client

Settings
1. Click **Survey**.
2. Find the SSID of the Access Point/Router or WISP, and click Connect in the corresponding row. You will then return to the previous page.
3. The security mode will be selected automatically, please confirm it and enter the password that is the same as on the main Router/AP.
4. Click **Next**.

| Start | Mode | Wireless Settings | Network Settings | Finish |

Client Mode Settings:

Survey
You can click the Survey button to scan the network SSIDs, and then choose the target one to setup the connection.

Main Router/AP Wireless Network Name(SSID):
MAC Address of Main Router/AP(BSSID):
Wireless Security Mode: WPA-PSK/WPA2-PSK(Recom

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

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e) Multi-SSID Mode

Introduction

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

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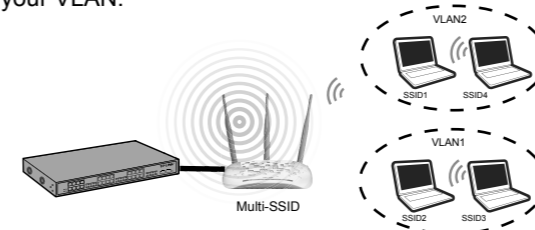
Settings
1. Select **ON** to enable VLAN function for this access point.
2. Configure the SSID and its corresponding VLAN ID. You can create up to 4 SSIDs and rename them.
3. Configure the wireless security for each SSID.
4. Click **Next**.

| Start | Mode | Wireless Settings | Network Settings | Finish |

Multi-SSID Mode Settings:

Enable VLAN: OFF ON
Channel: Auto

SSID1: TP-LINK_AP_37DA36   VLAN ID: 1
Wireless Security Mode: WPA-PSK/WPA2-PSK(Recom
Wireless Password:
SSID2: TP-LINK_AP_37DA36_2   VLAN ID: 1
SSID3: TP-LINK_AP_37DA36_3   VLAN ID: 1
SSID4: TP-LINK_AP_37DA36_4   VLAN ID: 1
If you choose No Security mode, the wireless stations will be able to connect the AP without encryption. It is recommended strongly that you choose one of following options to enable security.

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> **Note** For the configuration of VLAN, please refer to the User Guide on the Resource CD.

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

| Start | Mode | Wireless Settings | Network Settings | Finish |

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

DHCP Server: Disable Enable

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> **Note** For advanced configurations on this page, please refer to the User Guide on the Resource CD.

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.

8 Wait until the device restarts successfully.

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*.

Power adapter
DC   POE   LAN
PoE
TL-WA901ND
Computer
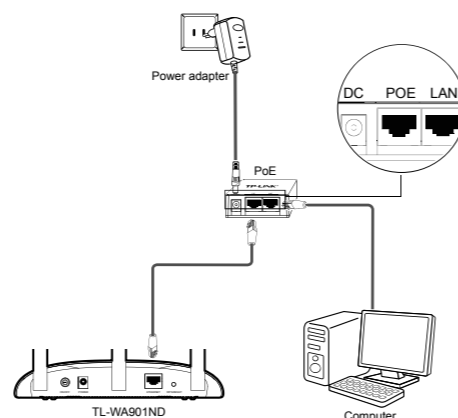
> **Note** 1. Passive PoE Injector supports a maximum cable length up to 30 meters due to the environment.
> 2. For longer powered cable up to 100 meters, please choose TP-LINK's 48V PoE adapters: TL-POE200 or TL-POE150S & TL-POE10R.
> Product information can be found on our official website *http://www.tp-link.com*.

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.

ON/OFF   POWER   WPS/RESET
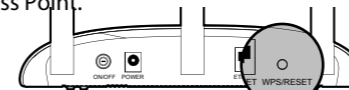
T2. What can I do if I forget my password?

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.