TP-LINK®
The Reliable Choice

Quick Installation Guide

TL-WA801ND
Wireless N Access Point

EAC

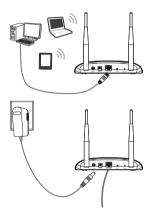## TP-LINK TECHNOLOGIES CO., LTD.

www.tp-link.com

Installation

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_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.

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 A: With PoE Setup** on **page 14.**

3 Turn on all of your network devices and then check to see if the LEDs on the Access Point display normally as the diagram below describes.

	⏻	🖥	📶	🔒

Solid light

Solid light

Solid light if the Wireless Radio function is enabled

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.
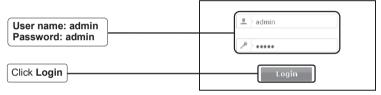
1 Login

Open your web browser, type in **http://tplinkap.net** or **http://192.168.0.254** in the address bar and press **Enter**

| http://tplinkap.net | $\mathcal{P} \cdot \times$ |

A dialog box will prompt you for the **User name** and **Password**. Enter the default values and click **Login**.

User name: admin
Password: admin

| 👤 admin |
| 🔑 ●●●●● |

Click **Login**

Login

Note   If the dialog box does not pop up, please refer to **T3** in **Troubleshooting** on **page 11** to assign a static IP address 192.168.0.100 for your computer. **T2** will give you some help if you forget the password.
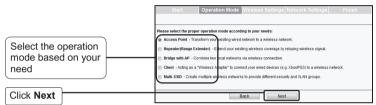
2 Wireless Settings

After successfully logging in, the Quick Setup page will display.

Quick Setup

The quick setup will tell you how to configure the basic network parameters.

To continue, please click the **Next** button.

To exit, please click the **Exit** button.

Exit   Next

Click **Next**

Note   If you click **Exit** and choose to manually configure the AP on your own need, please note that the DHCP is enabled during the configuration, it is essential to disable DHCP when all the settings are finished.

Then you will see the Start page shown as below.

Start	Operation Mode	Wireless Settings	Network Settings	Finish

Change the login account: ◉ NO   ○ YES

Back   Next

Click **Next**

The Operation Mode page will appear then. The TL-WA801ND supports up to five operation modes. You can refer to the Help page to know more about the five modes.

Start	Operation Mode	Wireless Settings	Network Settings	Finish

Please select the proper operation mode according to your needs:

◉ **Access Point** - Transform your existing wired network to a wireless network.

○ **Repeater(Range Extender)** - Extend your existing wireless coverage by relaying wireless signal.

○ **Bridge with AP** - Combine two local networks via wireless connection.

○ **Client** - Acting as a "Wireless Adapter" to connect your wired devices (e.g. Xbox/PS3) to a wireless network.

○ **Multi-SSID** - Create multiple wireless networks to provide different security and VLAN groups.

Back   Next

Select the operation mode based on your need

Click **Next**

For **Access Point** mode, please refer to part **A on page 3**.

For **Repeater(Range Extender)** mode, please refer to part **B on page 4**.

For **Bridge with AP** mode, please refer to part **C on page 6**.

For **Client** mode, please refer to part **D on page 7**.

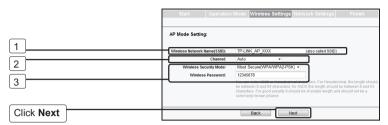For **Multi-SSID** mode, please refer to part **E on page 8**.

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.

Wired Network

Access Point

Settings

1. Create an easy-to-remember name for your wireless network here.
2. Select **Channel** for your device.
3. Select **Most Secure (WPA/WPA2-PSK)** mode and enter a wireless password below to prevent unauthorized access to your AP.

After the settings above, please go to ⓘ **Network Settings** on **page 9** to continue the configuration.
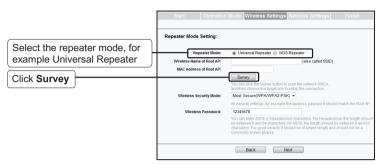
B. Repeater (Range Extender) Mode

Introduction

In this mode, the product can extend the coverage of another wireless Access Point or Router. The universal repeater mode is for the wireless Access Point or Router which does not support WDS function.

Settings

Select the repeater mode, for example Universal Repeater

Click **Survey**

The window displaying a list of available SSIDs will appear.

Find the SSID of the root Access Point / Router that you want to repeat, and then click **Connect** in the corresponding row

32	00-0A-EB-13-7A-FF	TP-LINK_Network1	55dB	10	WPA/WPA2-PSK	Connect
33	00-AA-EB-02-28-3C	IP-WDL-RT1T1R-B	15dB	11	None	Connect
34	00-E0-4B-86-ED-2C	JCG-86ED2C	14dB	11	WPA2-PSK	Connect
35	AA-BB-CC-11-22-33	TP-LINK_001102	15dB	11	None	Connect
36	D8-5D-4C-09-12-67	TP-LINK_091267	15dB	11	None	Connect

You will then return to the previous page.

The security mode will be selected automatically, please confirm it and enter the password that is the same as on your router or access point
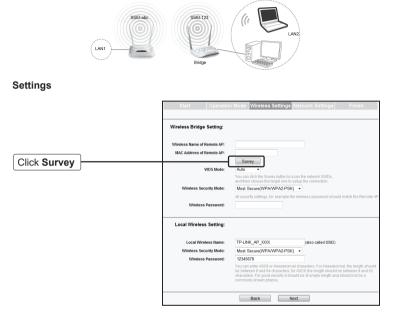
Click **Next**

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

After the settings above, please go to **Network Settings** on **page 9** to continue the configuration.

C. Bridge with AP mode

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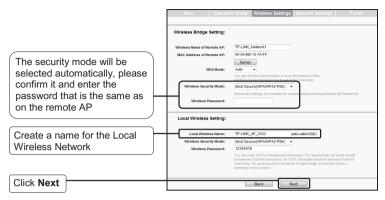

Settings

Click **Survey**

The window displaying a list of available SSIDs will appear.

Find the SSID of the root
Access Point / Router that you
want to bridge, and then click
Connect in the corresponding
row

You will then return to the previous page.

The security mode will be selected automatically, please confirm it and enter the password that is the same as on the remote AP

Create a name for the Local Wireless Network

Click **Next**
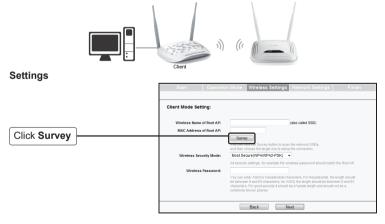
After the settings above, please go to ⓘ **Network Settings** on **page 9** to continue the configuration.

D. Client Mode

Introduction

In this mode, the product will act as a wireless adapter to connect your wired devices (e.g. PC, Xbox, PS3, etc.) to a wireless network.
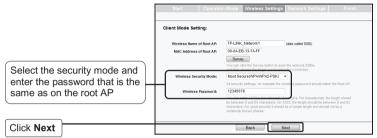

Settings

Click **Survey**

The window displaying a list of available SSIDs will appear.

Find the SSID of the Access Point / Router or WISP, and click **Connect** in the corresponding row

32	00-0A-EB-13-7A-FF	TP-LINK_Network1	55dB	10	WPA/WPA2-PSK	Connect
33	00-AA-EB-02-28-3C	IP-WDL-RT1T1R-B	15dB	11	None	Connect
34	00-E0-4B-86-ED-2C	JCG-86ED2C	14dB	11	WPA2-PSK	Connect
35	AA-BB-CC-11-22-33	TP-LINK_001102	19dB	11	None	Connect
36	D8-5D-4C-09-12-67	TP-LINK_091267	15dB	11	None	Connect

You will then return to the previous page.

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

Client Mode Setting:

Wireless Name of Root AP: TP-LINK_Network1 (also called SSID)

MAC Address of Root AP: 00-0A-EB-13-7A-FF

Survey

You can click the Survey button to scan the network SSIDs, and then choose a SSID to build connection.

Select the security mode and enter the password that is the same as on the root AP

Wireless Security Mode: Most Secure(WPA/WPA2-PSK)

All security settings, for example the wireless password should match the Root AP.

Wireless Password: 12345678

All security settings, for example the wireless password should match the Root AP. 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.

Click **Next**

Back   Next

After the settings above, please go to Network Settings on **page 9** to continue the configuration.
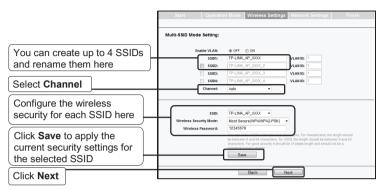
E. Multi-SSID Mode

Introduction

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

Settings

You can create up to 4 SSIDs and rename them here

Select **Channel**

Configure the wireless security for each SSID here

Click **Save** to apply the current security settings for the selected SSID

Click **Next**

Note For the configuration of VLAN, please refer to the User Guide which can be downloaded at http://www.tp-link.com.

After the settings above, please go to ③ **Network Settings** on **page 9** to continue the configuration.

③ Network Settings

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

Click **Next**

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

4 Finish

After Network Settings, the Finish page will appear. Here takes the settings for Access Point mode for example.

Check your settings and click **Save** to save your settings for future reference

Click **Finish**

Congratulations! You have completed the setup.

Troubleshooting

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

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

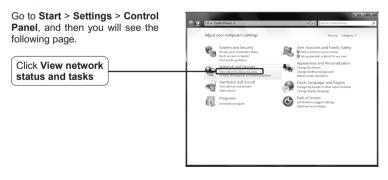ON/OFF   POWER   ETHERNET   WPS   RESET

Hold it in for 5 to 8 seconds

Note Once the Access Point is reset, the current configuration settings will be lost and you will need to reconfigure the Access Point.
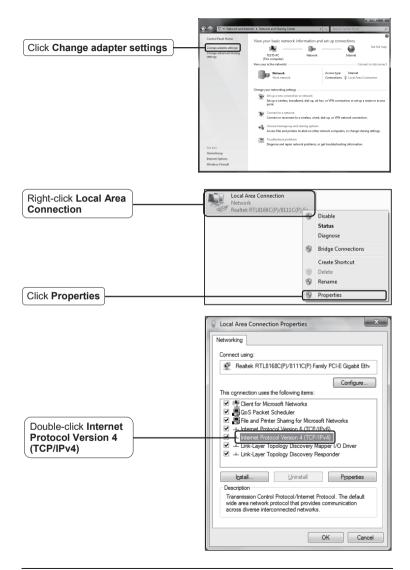
T2. What can I do if I forget my password?

1) Try to use the default user name and password: **admin**, **admin**;

2) Referring to the file that you have saved in **4 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?

Assign a static IP address 192.168.0.100 for your computer first before logging in the management page. Here takes the procedures in Windows 7 for example.
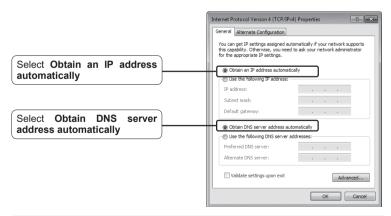
Go to **Start** > **Settings** > **Control Panel**, and then you will see the following page.

Click **View network status and tasks**

Click **Change adapter settings**

Right-click **Local Area Connection**

> Local Area Connection
> Network
> Realtek RTL8168C(P)/8111C(P) Fa...
>
> Disable
> **Status**
> Diagnose
> Bridge Connections
> Create Shortcut
> Delete
> Rename
> Properties

Click **Properties**

Local Area Connection Properties

Networking

Connect using:

Realtek RTL8168C(P)/8111C(P) Family PCI-E Gigabit Eth...

Configure...

This connection uses the following items:

☑ Client for Microsoft Networks
☑ QoS Packet Scheduler
☑ File and Printer Sharing for Microsoft Networks
☑ Internet Protocol Version 6 (TCP/IPv6)
☑ Internet Protocol Version 4 (TCP/IPv4)
☑ Link-Layer Topology Discovery Mapper I/O Driver
☑ Link-Layer Topology Discovery Responder

Install... | Uninstall | Properties

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

OK | Cancel

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

Select **Use the following IP address**

Enter the 192.168.0.100 into the **IP address** field, 255.255.255.0 into the **Subnet mask** field

Click **OK**

Now, try to log on to the Web-based configuration page again after the above settings have been configured. If you still cannot access the configuration page, please restore your Access Point's factory default settings and reconfigure your Access Point following the instructions of this QIG. Please feel free to contact our Technical Support if the problem persists.

Note While the reconfiguration is done, you need to change the IP address settings as below. Then, with the correct hardware connection, you can surf the Internet successfully.
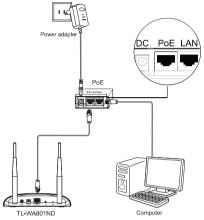
Select **Obtain an IP address automatically**

Select **Obtain DNS server address automatically**

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.

Power adapter

DC   PoE   LAN

PoE

TL-WA801ND

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.