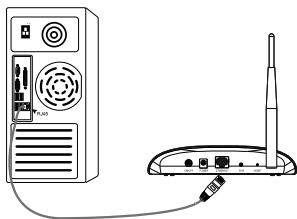


# Installation

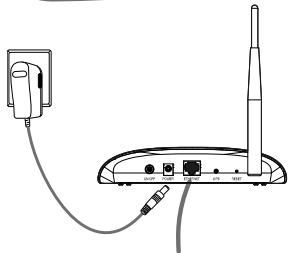
## 1

### Connecting the Device for Configuration

- 1 Connect to the Access Point with the Ethernet cable or via wireless. The default SSID of the Access Point is TP-LINK\_XXXXXX. The XXXXXX is the last 6 characters of the Access Point's MAC address.

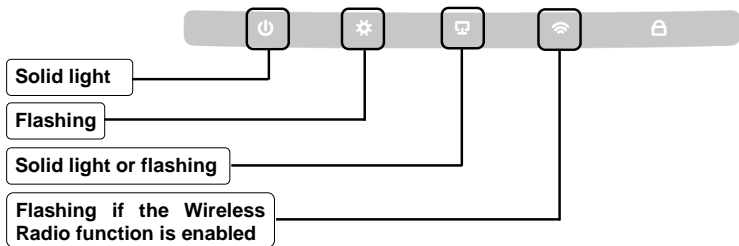


- 2 Plug the provided power adapter into the power jack on the back of the Access Point, and the other end to a standard electrical wall socket. Then press the **ON/OFF** button to power on the device.



**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 13.**

- 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.



**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

### 1 Login

Open your web browser, type in **192.168.0.254** in the address bar and press **Enter**

Address 192.168.0.254 Go

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

**User name: admin**  
**Password: admin**



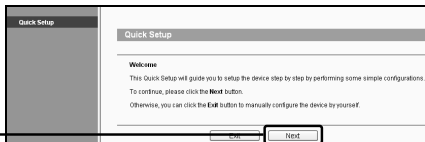
Click **OK**

**Note** If the dialog box does not pop up, please refer to **T3** in the **Troubleshooting** guide on page 10. **T2** will give you some help if you forget the password.

### 2 Wireless Settings

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

Click **Next**



**Note** If you click **Exit** and choose to configure the AP manually 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.

The Operation Mode page will appear then. The TL-WA701ND supports up to five operation modes.

Select the operation mode based on your need

Click **Next**

Operation Mode | Wireless Settings | Network Setting | Finish

Please select the proper operation mode according to your needs:

- Access Point** - Transform your existing wired network to a wireless network.
- Multi-SSID** - Create multiple wireless networks to provide different security and VLAN groups.
- 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.

Back Next

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

For **Multi-SSID** mode, please refer to part **B on page 4**.

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

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

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

## 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

2

3

Click **Next**

Operation Mode | Wireless Settings | Network Setting | Finish

Wireless Network Name(SSID): TP-LINK\_57335F

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

Wireless Password: 1234567890

Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly known phrase.

Back Next

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

After the settings above, please go to **Network Settings on page 8** to continue the configuration.

## B. 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.

Configure the wireless security for each SSID here.

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

Click **Next**

Operation Mode	Wireless Settings	Network Setting	Finish
<input type="checkbox"/> Enable VLAN			
SSID1:	TP-LINK_57335F	VLAN ID:	<input type="text"/>
<input checked="" type="checkbox"/> SSID2:	TP-LINK_57335F_2	VLAN ID:	<input type="text"/>
<input type="checkbox"/> SSID3:	TP-LINK_57335F_3	VLAN ID:	<input type="text"/>
<input type="checkbox"/> SSID4:	TP-LINK_57335F_4	VLAN ID:	<input type="text"/>
SSID:	TP-LINK_57335F		
Wireless Security Mode:	Most Secure(WPA/WPA2-PSK)		
Wireless Password:	1234567890		
<small>Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly-known phrase.</small>			
<input type="button" value="Save"/>			
<input type="button" value="Back"/> <input type="button" value="Next"/>			

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

After the settings above, please go to **Network Settings on page 8** to continue the configuration.

## C. 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**

Operation Mode | **Wireless Settings** | Network Setting | Finish

Repeater Mode:  Universal Repeater  WDS Repeater

Wireless Name of Root AP: \_\_\_\_\_ (also called SSID)

MAC Address of Root AP: \_\_\_\_\_

**Survey**

Click Survey button to scan the wireless networks, and choose the target one to setup.

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

All security settings, for example the wireless password should match the root AP/Router

Wireless Password: \_\_\_\_\_

Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly known phrase.

Back Next

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	94-0C-BD-2F-3C-BE	TP-LINK_Network1	950B	10	WPA/WPA2-PSK	<b>Connect</b>
33	00-AA-EB-02-28-3C	IP-WDL-RT1T1R-B	15dB	11	OFF	Connect
34	00-E0-4B-96-ED-2C	JCO-86ED2C	14dB	11	WPA2-PSK	Connect
35	AA-BB-CC-11-22-33	TP-LINK_001102	19dB	11	OFF	Connect
36	D8-5D-4C-09-12-67	TP-LINK_091267	15dB	11	OFF	Connect

You will then return to the previous page.

Select the security mode and enter the password that is the same as on your router or access point.

Click **Next**

Operation Mode | **Wireless Settings** | Network Setting | Finish

Repeater Mode:  Universal Repeater  WDS Repeater

Wireless Name of Root AP: TP-LINK\_Network1 (also called SSID)

MAC Address of Root AP: 94-0C-ED-2F-3C-BE

**Survey**

Click Survey button to scan the wireless networks, and choose the target one to setup.

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

All security settings, for example the wireless password should match the root AP/Router

Wireless Password: 1234567890

Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly known phrase.

Back **Next**

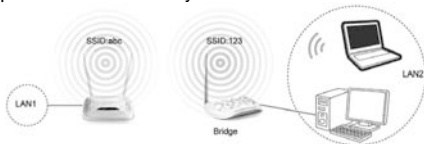
**Note** The setup for **WDS Repeater** mode is similar to that of **Universal Repeater** mode.

After the settings above, please go to **Network Settings on page 8** to continue the configuration.

## D. Bridge with AP mode

### Introduction

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



### Settings

Click Survey

Operation Mode	Wireless Settings	Network Setting	Finish
<b>Wireless Name of Remote AP:</b> <input type="text"/> (also called SSID)			
<b>MAC Address of Remote AP:</b> <input type="text"/>			
<input type="button" value="Survey"/>			
<small>Click survey button to scan the wireless networks, and choose the target one to setup.</small>			
<b>Region:</b>	<input type="text" value="United States"/>		
<b>Warning:</b>	<small>Ensure you select a correct country to comply local law. Incorrect settings may cause interference.</small>		
<b>Channel:</b>	<input type="text" value="1"/>		
<b>Wireless Security Mode:</b>	<input type="text" value="Most Secure(WPA/WPA2-PSK)"/>		
<small>All security settings, for example the wireless password should match the root AP/router</small>			
<b>Wireless Password:</b>	<input type="text"/>		
<small>Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly known phrase.</small>			
<input type="button" value="Back"/> <input type="button" value="Next"/>			

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.

32	94-0C-6D-2F-3C-BE	TP-LINK_Network1	55dB	10	WPA/WPA2-PSK	<input type="button" value="Connect"/>
33	00-AA-EB-02-28-3C	IP-WDL-RT1T1R-B	15dB	11	OFF	<input type="button" value="Connect"/>
34	00-E0-4B-86-ED-2C	JCG-86ED2C	14dB	11	WPA2-PSK	<input type="button" value="Connect"/>
35	AA-BB-C-C-11-22-33	TP-LINK_001102	19dB	11	OFF	<input type="button" value="Connect"/>
36	D8-5D-4C-09-12-67	TP-LINK_091267	15dB	11	OFF	<input type="button" value="Connect"/>

You will then return to the previous page.

Enter the password that is the same as on the remote AP.

Click **Next**

The screenshot shows the 'Wireless Settings' page with the following fields and options:

- Wireless Name of Remote AP: TP-LINK\_Network1 (also called SSID)
- MAC Address of Remote AP: 94-0C-6D-2F-3C-BE
- Survey button
- Region: United States
- Warning: Ensure you select a correct country to comply local law. Incorrect settings may cause interference.
- Channel: 5
- Wireless Security Mode: Most Secure(WPA/WPA2-PSK)
- Wireless Password: 1234567890
- Back and Next buttons

Name the bridge AP here.

Click **Next**

The screenshot shows the 'Wireless Settings' page with the following fields and options:

- Local Wireless Name: TP-LINK\_57335F (also called SSID)
- Use the same security settings for the local wireless network as the root AP (checked)
- Back and Next buttons

After the settings above, please go to **Network Settings on page 8** to continue the configuration.

## E. Client Mode

### Introduction

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



### Settings

Click **Survey**

The screenshot shows the 'Wireless Settings' page with the following fields and options:

- Wireless Name of Root AP: (empty) (also called SSID)
- MAC Address of Root AP: (empty)
- Survey button
- Wireless Security Mode: Most Secure(WPA/WPA2-PSK)
- Wireless Password: (empty)
- Back and Next buttons

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	94-0C-6D-2F-3C-BE	TP-LINK_Network1	55dB	10	WPA/WPA2-PSK	Connect
33	00-AA-EB-02-28-3C	IP-WDL-RT1T1R-B	15dB	11	OFF	Connect
34	00-E0-4B-88-ED-2C	JCG-86ED2C	14dB	11	WPA2-PSK	Connect
35	AA-BB-CC-11-22-33	TP-LINK_001102	19dB	11	OFF	Connect
36	D8-5D-4C-09-12-67	TP-LINK_091267	15dB	11	OFF	Connect

You will then return to the previous page.

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

Operation Mode	Wireless Settings	Network Setting	Finish
<b>Wireless Name of Root AP:</b> TP-LINK_Network1 (also called SSID)			
<b>MAC Address of Root AP:</b> 94-0C-6D-2F-3C-BE			
<input type="button" value="Survey"/>			
<small>Click Survey button to scan the wireless networks, and choose the target one to setup.</small>			
<b>Wireless Security Mode:</b> Most Secure(WPA/WPA2-PSK)			
<small>All security settings, for example the wireless password should match the root AP/router.</small>			
<b>Wireless Password:</b> 1234567890			
<small>Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of enough length and should not be a commonly known phrase.</small>			
<input type="button" value="Back"/> <input type="button" value="Next"/>			

Click **Next**

After the settings above, please go to **Network Settings on page 8** 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.

Operation Mode	Wireless Settings	Network Setting	Finish
<b>DHCP Server:</b> <input checked="" type="radio"/> Disable <input type="radio"/> Enable			
<small>In most of the cases your root AP/router has enabled DHCP server function, we highly recommended that you disable DHCP server function on this device to void any unpredictable problems.</small>			
<b>IP Address:</b> 192.168.0.254			
<b>Subnet Mask:</b> 255.255.255.0			
<small>We recommend you configure this AP with the same IP subnet and subnet mask, but different IP address from your root AP/router.</small>			
<b>Change the login account:</b> <input checked="" type="radio"/> NO <input type="radio"/> YES			
<input type="button" value="Back"/> <input type="button" value="Next"/>			

Click **Next**

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

The Finish page will appear then. Here takes the settings for Access Point mode for example.

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

Click **Reboot**

Operation Mode	Wireless Settings	Network Setting	Finish
Confirm the configuration you have set. If anything is wrong, please go BACK to reset. When confirmed, please click Finish/Reboot button to make all configurations take effect.			
<b>Wireless Setting</b>			
Operation Mode:	Access Point		
Wireless Network Name(SSID):	TP-LINK_57335F		
Wireless Security Mode:	Most Secure(WPA/WPA2-PSK)		
Wireless Password:	1234567890		
<b>Network Setting</b>			
Login Account:	admin/ admin		
LAN IP Address:	192.168.0.254		
DHCP Server:	Disabled		
<input type="button" value="Save"/>		Save these settings as a text file for future reference	
<input type="button" value="Back"/>		<input type="button" value="Reboot"/>	

Click **OK**

Microsoft Internet Explorer

Are you sure to reboot the Router?

Wait until the router restarts successfully.

Restart

Configuration Completed Successfully.

Restarting...

47%

Congratulations! You have completed the setup.

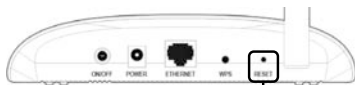
**Note** To change to another mode, please refer to **T3 in Troubleshooting on page 10** to assign a static IP address 192.168.0.100 for your computer first before logging in the management page.



# 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 8 to 10 seconds before releasing it.



Hold it in for 8 to 10 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) Restore the Access Point's configuration to its factory default settings. If you don't know how to do that, please refer to previous section **T1**;
- 2) Use the default user name and password: **admin, admin**;
- 3) 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.

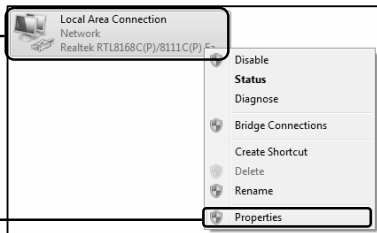
Click **View network status and tasks**



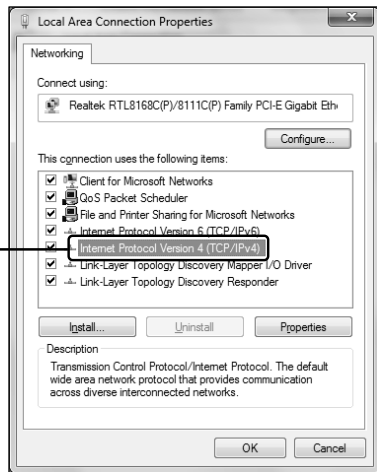
Click **Change adapter settings**



Right-click **Local Area Connection**



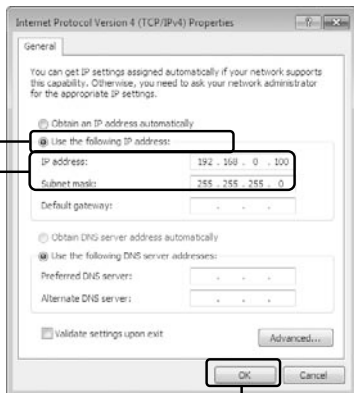
Click **Properties**



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.

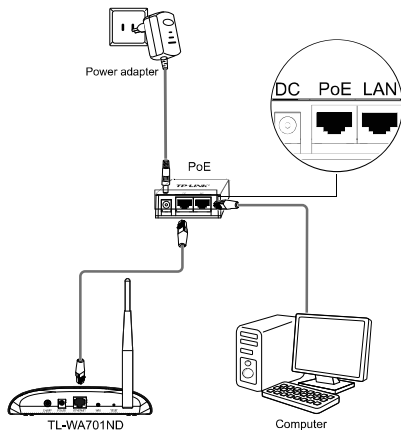
Select **Obtain an IP address automatically**

Select **Obtain DNS server address automatically**



## Appendix A: 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.



- 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>.

# Technical Support

- For more troubleshooting help, go to:  
**[www.tp-link.com/support/faq.asp](http://www.tp-link.com/support/faq.asp)**
- To download the latest Firmware, Driver, Utility and User Guide, go to:  
**[www.tp-link.com/support/download.asp](http://www.tp-link.com/support/download.asp)**
- For all other technical support, please contact us by using the following details:

## Global

Tel: +86 755 26504400  
E-mail: [support@tp-link.com](mailto:support@tp-link.com)  
Service time: 24hrs, 7 days a week

## Singapore

Tel: +65 62840493  
E-mail: [support.sg@tp-link.com](mailto:support.sg@tp-link.com)  
Service time: 24hrs, 7 days a week

## UK

Tel: +44 (0) 845 147 0017  
E-mail: [support.uk@tp-link.com](mailto:support.uk@tp-link.com)  
Service time: 24hrs, 7 days a week

## USA/Canada

Toll Free: +1 866 225 8139  
E-mail: [support.usa@tp-link.com](mailto:support.usa@tp-link.com)  
Service time: 24hrs, 7 days a week

## Malaysia

Tel: 1300 88 875465 (1300 88TPLINK)  
Email: [support.my@tp-link.com](mailto:support.my@tp-link.com)  
Service time: 24hrs, 7 days a week

## Turkey

Tel: 444 19 25 (Turkish Service)  
E-mail: [support.tr@tp-link.com](mailto:support.tr@tp-link.com)  
Service time: 9:00 AM to 6:00 PM  
7 days a week

## Poland

Tel: +48 (0) 801 080 618 / +48 22 7217563 (if calls from mobile phone)  
E-mail: [support.pl@tp-link.com](mailto:support.pl@tp-link.com)  
Service time: Monday to Friday 9:00 AM to 5:00 PM. GMT+1 or GMT+2 (Daylight Saving Time)

## Germany / Austria

Tel: +49 1805 875465 (German Service)  
+49 1805 TPLINK  
E-mail: [support.de@tp-link.com](mailto:support.de@tp-link.com)  
Fee: 0.14 EUR/min from the German fixed phone network and up to 0.42 EUR/min from mobile phone  
Service time: Monday to Friday 9:00 AM to 6:00 PM. GMT+ 1 or GMT+ 2 (Daylight Saving Time in Germany)  
\*Except bank holidays in Hesse

## Australia & New Zealand

Tel: AU 1300 87 5465  
NZ 0800 87 5465  
E-mail: [support@tp-link.com.au](mailto:support@tp-link.com.au)  
Service time: 24hrs, 7 days a week

## Italy

Tel: +39 02 66987799  
E-mail: [support.it@tp-link.com](mailto:support.it@tp-link.com)  
Service time: Monday to Friday 9:00 AM to 6:00 PM

## Ukrainian

Tel: +380 (44) 590-51-14  
E-mail: [support.ua@tp-link.com](mailto:support.ua@tp-link.com)  
Service time: Monday to Friday 14:00 PM to 22:00 PM

## Brazilian

Toll Free: 0800-770-4337 (Portuguese Service)  
E-mail: [suporte.br@tp-link.com](mailto:suporte.br@tp-link.com)  
Service time: Monday to Saturday 08:00 AM to 08:00 PM

## Indonesia

Tel: (+62) 021 6259 135  
E-mail: [support.id@tp-link.com](mailto:support.id@tp-link.com)  
Service time: Monday to Friday 9:00 -12:00; 13:00 -18:00  
\*Except public holidays

## Switzerland

Tel: +41 (0) 848 800998 (German Service)  
E-mail: [support.ch@tp-link.com](mailto:support.ch@tp-link.com)  
Fee: 4-8 Rp/min, depending on rate of different time  
Service time: Monday to Friday 9:00 AM to 6:00 PM. GMT+ 1 or GMT+ 2 (Daylight Saving Time)

## Russian Federation

Tel: 8 (499) 754-55-60  
8 (800) 250-55-60 (toll-free call from any RF region)  
E-mail: [support.ru@tp-link.com](mailto:support.ru@tp-link.com)  
Service time: From 10:00 to 18:00 (Moscow time)  
\*Except weekends and holidays in Russian Federation