

7106506104 REV2.0.2

**TP-LINK®**  
The Reliable Choice

**EAC**

**TP-LINK TECHNOLOGIES CO., LTD.**

Specifications are subject to change without notice. TP-LINK is a registered trademark of TP-LINK TECHNOLOGIES CO., LTD. Other brands and product names are trademarks or registered trademarks of their respective holders.

No part of the specifications may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from TP-LINK TECHNOLOGIES CO., LTD. Copyright © 2016 TP-LINK TECHNOLOGIES CO., LTD. All rights reserved.

<http://www.tp-link.com>

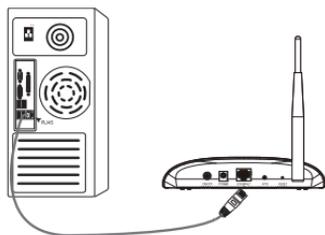
## **Quick Installation Guide**

**TL-WA701ND**  
**Wireless N Access Point**

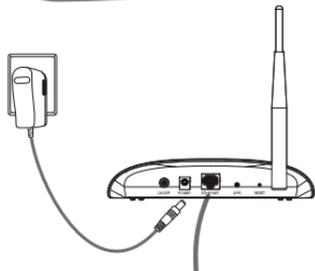
# Installation

## 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.

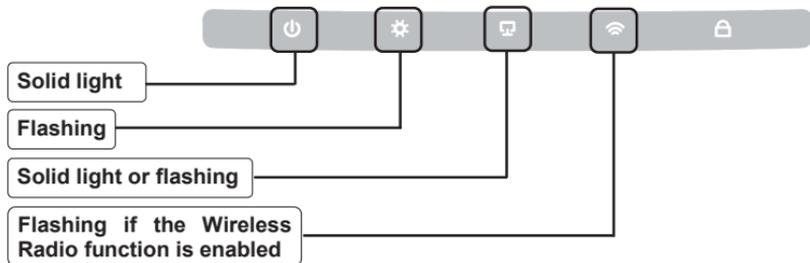


- 2 Plug the provided power adapter into the power jack on the back of the Access Point, and the other end to a standard electrical wall socket. Then press the **ON/OFF** button to power on the device.



**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**



Connect to tplogin.net

TP-LINK Wireless N Access Point WA701ND

User name: admin

Password: .....

Remember my password

OK Cancel

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**



Quick Setup

Quick Setup

Welcome

This Quick Setup will guide you to setup the device step by step by performing some simple configurations. To continue, please click the **Next** button.

Otherwise, you can click the **Exit** button to manually configure the device by yourself.

Next Exit

**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.

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

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 6**.

## 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

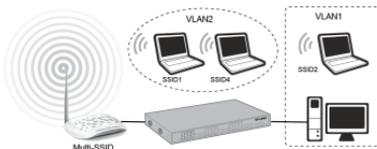
1. Create an easy-to-remember name for your wireless network here.
2. Select **Most Secure (WPA/WPA2-PSK)** mode and enter a password below to prevent unauthorized access to your AP.
3. Input a password here.

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:        | [1]    |
| <input checked="" type="checkbox"/> SSID2:  | TP-LINK_57335F_2          | VLAN ID:        | [1]    |
| <input type="checkbox"/> SSID3:   | TP-LINK_57335F_3          | VLAN ID:        | [1]    |
| <input type="checkbox"/> SSID4:   | TP-LINK_57335F_4          | VLAN ID:        | [1]    |
| 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 TP-LINK official website at <http://www.tp-link.com>.

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 |
|--|-------------------|-----------------|--------|
| <b>Repeater Mode:</b> <input checked="" type="radio"/> Universal Repeater <input type="radio"/> WDS Repeater                                     |                   |                 |        |
| <b>Wireless Name of Root AP:</b> <input type="text"/> (also called SSID)   |                   |                 |        |
| <b>MAC Address of Root AP:</b> <input type="text"/>  |                   |                 |        |
| <input type="button" value="Survey"/>  |                   |                 |        |
| Click Survey button to scan the wireless networks, and choose the target one to setup.   |                   |                 |        |
| <b>Wireless Security Mode:</b> <input type="text" value="Most Secure(WPA/WPA2-PSK)"/>  |                   |                 |        |
| All security settings, for example the wireless password should match the root AP/Router.  |                   |                 |        |
| <b>Wireless Password:</b> <input type="text"/>   |                   |                 |        |
| 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. |                   |                 |        |
| <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 repeat, and then click **Connect** in the corresponding row.

|    |                   |                  |      |    |              |  |
|----|-------------------|------------------|------|----|--------------|--|
| 32 | 94-0C-6D-2F-3C-BE | TP-LINK_Network1 | 550B | 11 | WPA/WPA2-PSK | <input type="button" value="Connect"/> |
| 33 | 00-AA-EB-02-28-3C | IP-WDL-RT11T1R-B | 15dB | 11 | OFF          | <input type="button" value="Connect"/> |
| 34 | 00-E0-4B-86-ED-2C | JCO-88ED2C       | 14dB | 11 | WPA2-PSK     | <input type="button" value="Connect"/> |
| 35 | AA-BB-CC-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.

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 |
|--|-------------------|-----------------|--------|
| <b>Repeater Mode:</b> <input checked="" type="radio"/> Universal Repeater <input type="radio"/> WDS Repeater                                     |                   |                 |        |
| <b>Wireless Name of Root AP:</b> <input type="text" value="TP-LINK_Network1"/> (also called SSID)  |                   |                 |        |
| <b>MAC Address of Root AP:</b> <input type="text" value="94-0C-6D-2F-3C-BE"/>  |                   |                 |        |
| <input type="button" value="Survey"/>  |                   |                 |        |
| Click Survey button to scan the wireless networks, and choose the target one to setup.   |                   |                 |        |
| <b>Wireless Security Mode:</b> <input type="text" value="Most Secure(WPA/WPA2-PSK)"/>  |                   |                 |        |
| All security settings, for example the wireless password should match the root AP/Router.  |                   |                 |        |
| <b>Wireless Password:</b> <input type="text" value="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. |                   |                 |        |
| <input type="button" value="Back"/> <input type="button" value="Next"/>  |                   |                 |        |

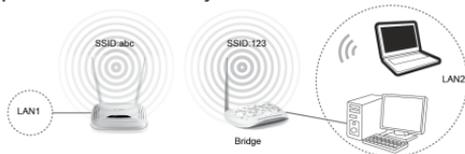
**Note** The setup for **WDS Repeater** mode is similar to that of **Universal Repeater** mode.

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** on the page of Wireless Settings and the window displaying a list of available SSIDs will appear.

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

|    |                   |                  |      |    |             |         |
|----|-------------------|------------------|------|----|-------------|---------|
| 32 | 94-0C-6D-2F-3C-BE | TP-LINK_Network1 | 55dB | 10 | WPAWPA2-PSK | Connect |
| 33 | 00-AA-EB-02-28-3C | IP-WDL-RT1T1R-B  | 15dB | 11 | OFF         | 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 | OFF         | Connect |
| 36 | D8-5D-4C-09-12-87 | TP-LINK_091287   | 15dB | 11 | OFF         | Connect |

You will then return to the previous page. Enter the password that is the same as on the remote AP and click **Next**.

Name the bridge AP here.

Click **Next**

| Operation Mode | Wireless Settings                                      | Network Setting  | Finish |
|----------------|--|--|--------|
|                | Local Wireless Name: TP-LINK_57335F (also called SSID) | <input checked="" type="checkbox"/> Use the same security settings for the local wireless network as the root AP |        |
|                |  | Back   | Next   |

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

| Operation Mode   | Wireless Settings | Network Setting | Finish |
|--|-------------------|-----------------|--------|
| Wireless Name of Root AP: <input type="text"/> (also called SSID)  |                   |                 |        |
| MAC Address of Root AP: <input type="text"/>   |                   |                 |        |
| 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: <input type="text"/>  |                   |                 |        |
| 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 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-RT111R-B  | 15dB | 11 | OFF          | Connect |
| 34 | 00-E0-4B-86-ED-2C | JCO-88ED2C       | 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.

Click Next

| Operation Mode   | Wireless Settings | Network Setting | Finish |
|--|-------------------|-----------------|--------|
| Wireless Name of Root AP: TP-LINK_Network1 (also called SSID)  |                   |                 |        |
| MAC Address of Root AP: 94-0C-6D-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  |                   |                 |        |

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

**DHCP Server:**  Disable  Enable  
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.

**IP Address:** 192.168.0.254  
**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.

**Change the login account:**  NO  YES

Back Next

Click **Next**

**Note** For advanced configurations on this page, please refer to the User Guide on TP-LINK official website at <http://www.tp-link.com>.

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

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.

**Wireless Setting**

**Operation Mode:** Access Point  
**Wireless Network Name(SSID):** TP-LINK\_57335F  
**Wireless Security Mode:** Most Secure(WPA/WPA2-PSK)  
**Wireless Password:** 1234567890

**Network Setting**

**Login Account:** admin/ admin  
**LAN IP Address:** 192.168.0.254  
**DHCP Server:** Disabled

Save Save these settings as a text file for future reference

Back Reboot

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

Click **Reboot**

Click **OK**

Microsoft Internet Explorer

Are you sure to reboot the Router?

OK Cancel

Wait until the router restarts successfully.



Congratulations! You have completed the setup.

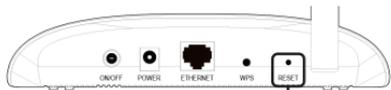
**Note** To change to another mode, please refer to **T3** in **Troubleshooting on page 10** to assign a static IP address 192.168.0.100 for your computer first before logging in the management page.



# 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?

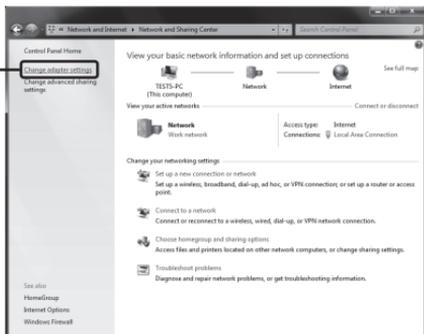
Assign a static IP address 192.168.0.100 for your computer first before logging in the management page. Here takes the procedures in Windows 7 for example.

Go to **Start > Settings > Control Panel**, and then you will see the following page.

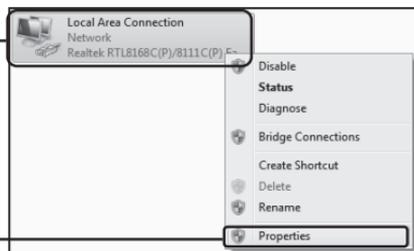
Click **View network status and tasks**



Click **Change adapter settings**

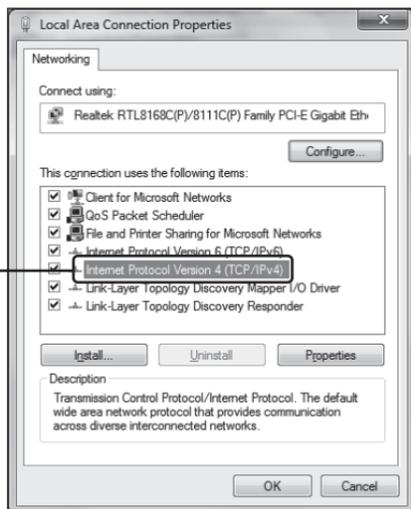


Right-click **Local Area Connection**



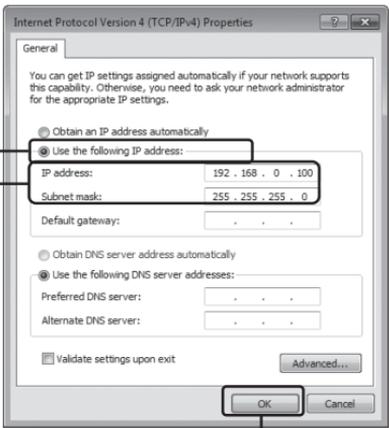
Click **Properties**

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



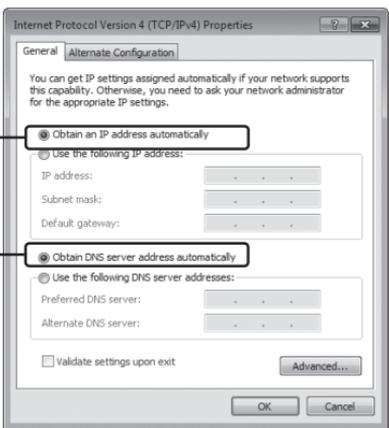
Click **OK**

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.

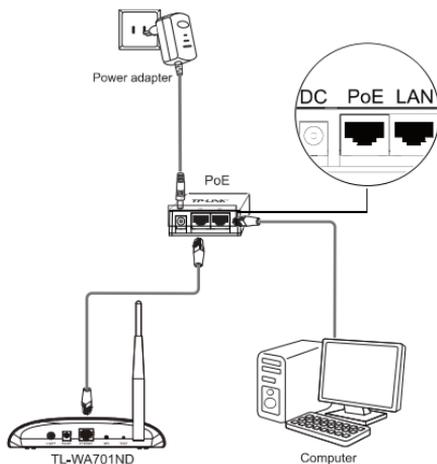
Select **Obtain an IP address automatically**

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>.

