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Quick Installation Guide

TL-WA5110G

## 54Mbps High Power Wireless Access Point

REV2.0.1

Installation

1 Connecting the device

Note Please use only wired network connections to configure the AP.

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 Plug the provided power adapter into the DC jack on the power injector, and the other end to a standard electrical wall socket.

4 Connect your AP to the PoE port on the power injector with an Ethernet cable.
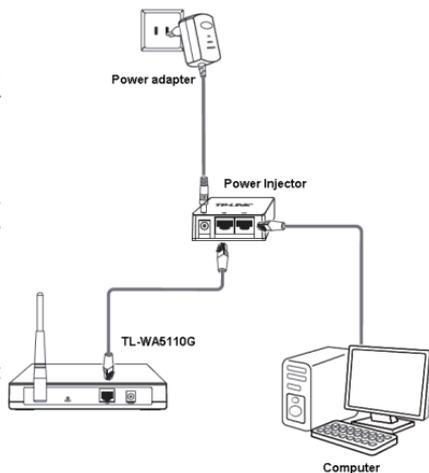
Note The power adapter can be directly connected to the AP too. In this way you can connect your computer directly to the AP with an Ethernet cable.

⑤ Turn on all your network devices and then check to see if the LEDs on the AP display normally as the diagram below describes.

Solid light

Flashing

Solid light or flashing

Flashing if the Wireless Radio function is enabled
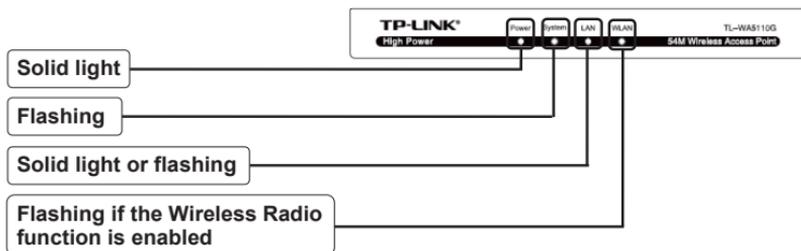
Note If the LEDs display abnormally, please check to see if all the cable connectors (power adapter and Ethernet cable) are well connected to your device.

2 Configuring the device

Note You will need to assign your computer a **Static IP address** within the same range as the AP's IP address. See the **Troubleshooting T3** if you need assistance.

1 Login

Open your web browser and type in **http://192.168.1.254** in the address bar and press **Enter**

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

Connect to 192.168.1.254

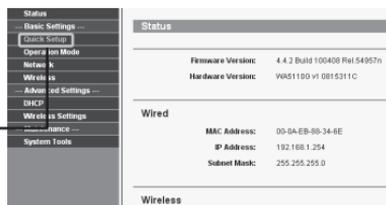TP-LINK Wireless AP WA5110G

User name: 🔲 admin

Password: •••••

☐ Remember my password

OK   Cancel

User name: admin
Password: admin

Click **OK**

The web management page will display after successfully logging in.

Status

Firmware Version: 4.4.2 Build 100408 Rel.54957n
Hardware Version: WA5110G v1 0815311C

Wired

MAC Address: 00-0A-EB-88-34-6E
IP Address: 192.168.1.254
Subnet Mask: 255.255.255.0

Wireless

Click **Quick Setup**

② **Operation Mode Setting**

This page will then 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.

Click **Next**

Exit   Next

Quick Setup - Choose Operation Mode

Please choose Operation Mode Type:

○ AP Client Router
○ AP Router
◉ AP

Back   Next

Choose the **Operation Mode Type** appropriate to your needs

Click **Next**

3
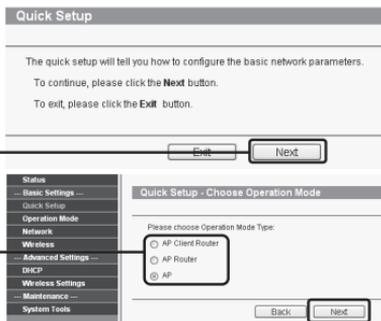
The AP supports three operation mode types: **AP Client Router**, **AP Router** and **AP**.
  a) If you want to connect to your WISP, please choose **AP Client Router** mode and proceed to **A**;
  b) If you want to configure a point to point connection, please skip to **B**;
  c) If you want to configure a repeater, please skip to **C**.

A.   Configuration for WISP Client (CPE)

After choosing the **AP Client Router** mode on the above page, this page will then display.

Choose your **WAN Connection Type** provided by your WISP. Here we choose PPPoE as an example
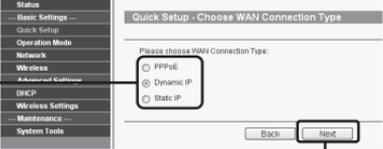
Click **Next**

Enter the **Username** and **Password** given by your WISP
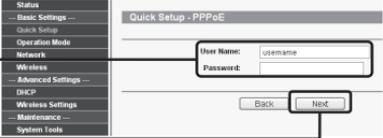
Click **Next**

Enter the **SSID** provided by your WISP

Click **Next**

The **Username** and **Password** are provided by your WISP.

Click **Finish** to exit the **Quick Setup** wizard and wait until the AP completes rebooting automatically. The changes will take effect after rebooting.

Click **Finish**

B. Configuration for Point to Point Connection

Two TL-WA5110G Access Points are needed for this application.

1) The AP Setting
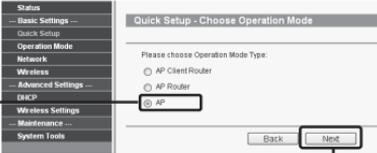
Select **AP**

Click **Next**

Enter a unique name for your wireless network; however, choose a name that is easily remembered by network users. Here we enter **TP-LINK_88346E** as the SSID for example

Select your region from the drop-down list

Click **Next**
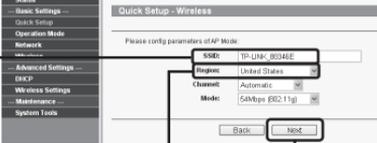
Click **Finish** to exit the **Quick Setup** wizard and wait until the AP completes rebooting automatically. The changes will take effect after rebooting.

Click **Finish**

After successfully logging in, configure the other TL-WA5110G by following the steps below.

2) The Client Setting

You should change the default LAN IP address of the Client from 192.168.1.254 to 192.168.1.X (X can be any number from 1 to 253) to avoid an IP conflict with the former AP. Here we choose 192.168.1.2 as an example.

Click **Network**

Enter **192.168.1.2** in the **IP Address** field

Click **Save**

Click **Wireless > Wireless Mode**

Select **Client**

Enter **TP-LINK_88346E**, the SSID of the first AP you configured
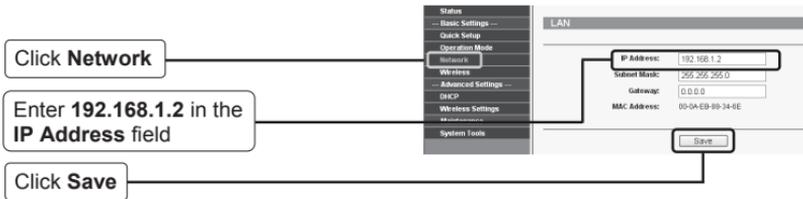
Click **Save** at the bottom of this page.
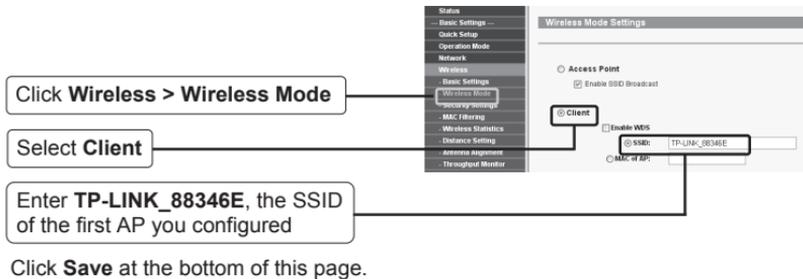
C. Configuration for Repeater

Click **Wireless > Wireless Mode**

Select **Repeater**

Click **Survey**
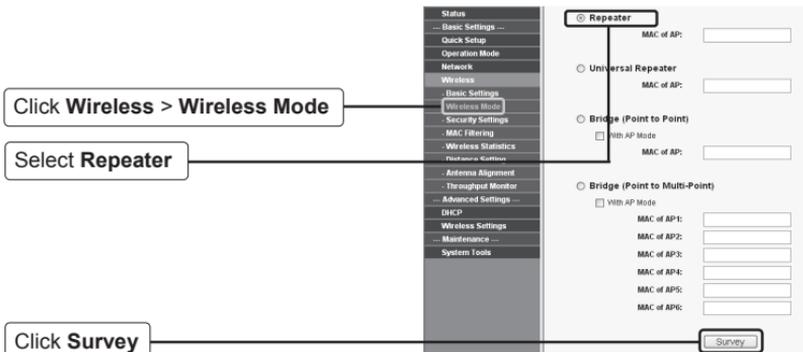
This page will then display.

Find the BSSID of the remote AP that you want to repeat, and then write it down or copy it. Here we copy the BSSID of 'TP-LINK' that is 00-19-E0-94-51-F4

AP List						
AP Count: 5						
ID	BSSID	SSID	Signal	Channel	Security	Choose
1	00-24-17-84-A1-05	Thomson8AFD48	5 dB	11	OFF	Connect
2	94-0C-6D-2F-52-7C	TP-LINK_2F527C	26 dB	2	OFF	Connect
3	00-10-0F-01-06-18	TP-LINK_010618	7 dB	4	OFF	Connect
4	00-19-E0-94-51-F4	TP-LINK	10 dB	1	ON	Connect
5	00-27-19-C4-B9-84		26 dB	4	ON	Connect

Refresh

Enter or paste the BSSID of the remote AP into the box under **Repeater**

Status
--- Basic Settings ---
Quick Setup
Operation Mode
Network
Wireless
- Basic Settings
- Wireless Mode
- Security Settings

◉ Repeater

MAC of AP: 00-19-E0-94-51-F4

○ Universal Repeater
MAC of AP:

○ Bridge (Point to Point)

Note The BSSID is the same as the MAC address.

Then click **Save** at the bottom of this page.

Troubleshooting

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

With the AP powered on, 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 AP is reset, the current configuration settings will be lost and you will need to reconfigure the router.

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

1)   Restore the AP'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. How can I do if I want to configure the High Power?

1)   Click "**Wireless > Basic Settings**" to enter Wireless Settings page.

2)   If you want to use the high power mode, check the box before "**Enable High Power Mode**" and options available of the **Power** list will be 26dBm Max, 23dBm, 20dBm, 17dBm, 14dBm Min.

3)   If you don't want to use the high power mode, deselect the box before "**Enable High Power Mode**" and options available of the **Power** list will be Max, 1/2, 1/4, 1/8, Min.

4)   Click **Save** to save the changes.

T4. What can I do if I cannot access the web-based configuration page?

1)   Configure your computer's IP Address.

For Windows XP OS

Go to **Start** > **Control Panel**, you will then see the following page.
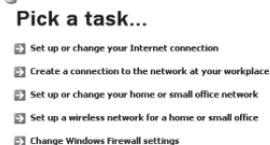
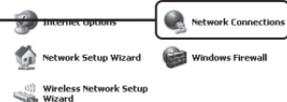**Pick a category**

Click **Network and Internet Connections**

Pick a task...

Click **Network Connections**

or pick a Control Panel icon

Right-click **Local Area Connection**

Click **Properties**

Local Area Connection Properties

General | Authentication | Advanced

Connect using:

Realtek RTL8139 Family PCI Fast Eth   [Configure...]

This connection uses the following items:

☑ 🖳 QoS Packet Scheduler
☑ 🖳 Network Monitor Driver
☑ 🖳 Internet Protocol (TCP/IP)

Double-click **Internet Protocol (TCP/IP)**

[Install...]   [Uninstall]   [Properties]

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

☑ Show icon in notification area when connected
☑ Notify me when this connection has limited or no connectivity

[OK]   [Cancel]

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically

Select **Use the following IP address**

◉ Use the following IP address:

IP address:	192 . 168 . 1 . 100
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	. . .

Enter the 192.168.1.100 into the IP address field, 255.255.255.0 into the Subnet mask field

○ Obtain DNS server address automatically

Select **Use the following DNS server addresses**

◉ Use the following DNS server addresses:

| Preferred DNS server: | . . . |
| Alternate DNS server: | . . . |

Enter the **DNS server address** provided by your ISP or network administrator

[Advanced...]

Click **OK**

[OK]   [Cancel]

For Windows Vista / Windows 7 OS

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

Click **View network status and tasks**

Click **View status**

Click **Properties**

Local Area Connection Properties

Networking

Connect using:
Marvell Yukon 88E8056 PCI-E Gigabit Ethernet Controller

Configure...

This connection uses the following items:

☑ 🖳 File and Printer Sharing for Microsoft Networks
☑ 📥 Network Magic Device Discovery Driver
☑ 📥 Realtke RtlProt WLAN Utility Protocol Driver
☐ 📥 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)**

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
● Use the following IP address:
IP address: 192 . 168 . 1 . 100
Subnet mask: 255 . 255 . 255 . 0
Default gateway: .   .   .

○ Obtain DNS server address automatically
● Use the following DNS server addresses:
Preferred DNS server: .   .   .
Alternate DNS server: .   .   .
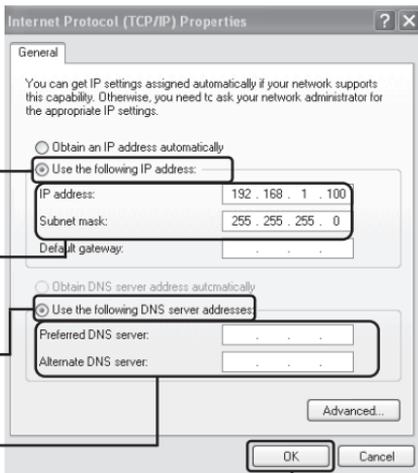
Advanced...

OK   Cancel

Select **Use the following IP address**

Enter the 192.168.1.100 into the IP address field, 255.255.255.0 into the Subnet mask field

Select **Use the following DNS server addresses**

Enter the **DNS server address** provided by your ISP or network administrator
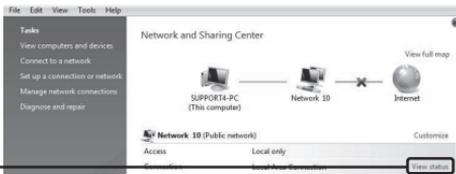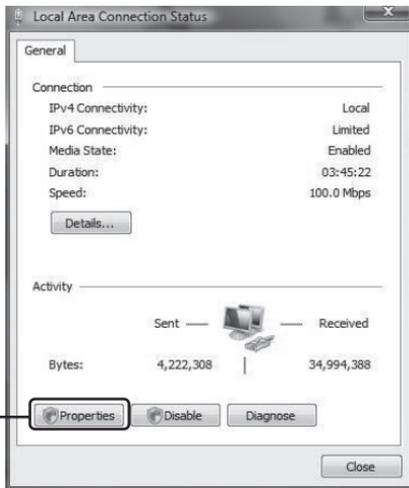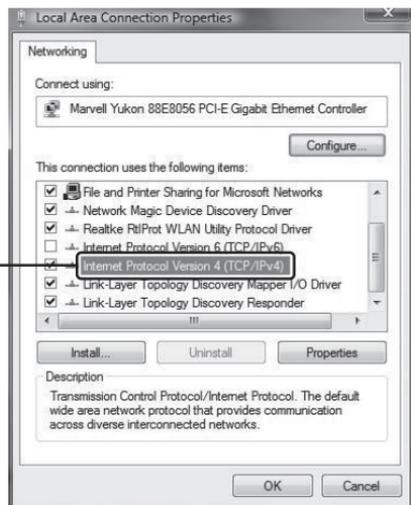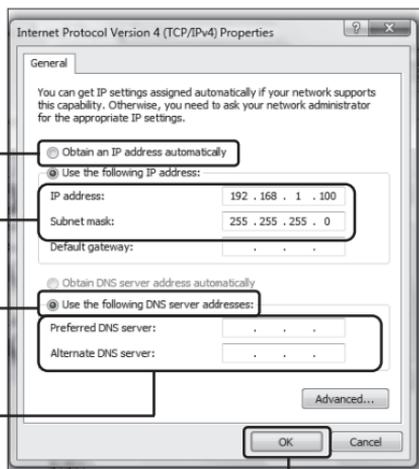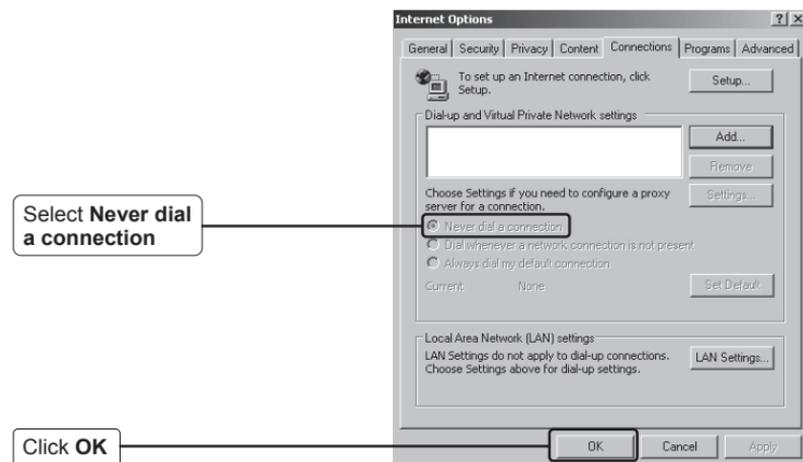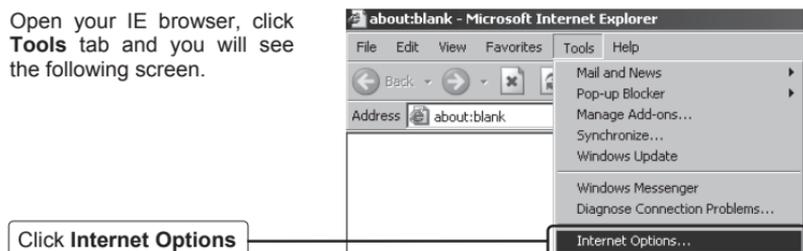
Click **OK**

2) Configure your IE browser.

Open your IE browser, click **Tools** tab and you will see the following screen.

about:blank - Microsoft Internet Explorer

| File | Edit | View | Favorites | Tools | Help |

Back

Address about:blank

Mail and News ▶
Pop-up Blocker ▶
Manage Add-ons...
Synchronize...
Windows Update

Windows Messenger
Diagnose Connection Problems...

Click **Internet Options** ──── Internet Options...

Internet Options

General | Security | Privacy | Content | Connections | Programs | Advanced

To set up an Internet connection, click Setup.   Setup...

Dial-up and Virtual Private Network settings

Add...
Remove

Choose Settings if you need to configure a proxy server for a connection.   Settings...

Select **Never dial a connection** ──── ● Never dial a connection
○ Dial whenever a network connection is not present
○ Always dial my default connection

Current   None   Set Default

Local Area Network (LAN) settings

LAN Settings do not apply to dial-up connections. Choose Settings above for dial-up settings.   LAN Settings...

Click **OK** ──── OK   Cancel   Apply

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 AP's factory default settings and reconfigure your AP following the instructions of this QIG. Please feel free to contact our Technical Support if the problem persists.

Note For more details about Troubleshooting and Technical Support contact information, please logon to our Technical Support Website:
http://www.tp-link.com/support/Support.asp

Technical Support

- For more troubleshooting help, go to:

  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

- For all other technical support, please contact us by using the following details:

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