Installation

Connecting the Device for Configuration

1   Assign a static IP address 192.168.1.100 for your computer. Please refer to the **T3** in **Troubleshooting** guide if you need assistance.

2   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.

Computer

TL-WA500G
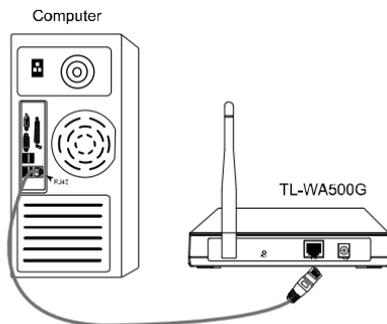
3   Plug the provided power adapter into the power jack on the back of the Access Point, and the other end to a standard electrical wall socket.

Power Adapter

TL-WA500G
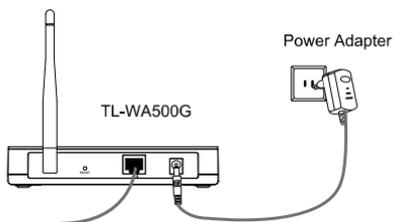
Note   If the distance between the outlet and the Access Point is too long to supply the power, you can refer to the Power over Ethernet(PoE) solution in **Appendix B: With PoE Setup.**

1

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

Solid light

Flashing

Solid light or flashing

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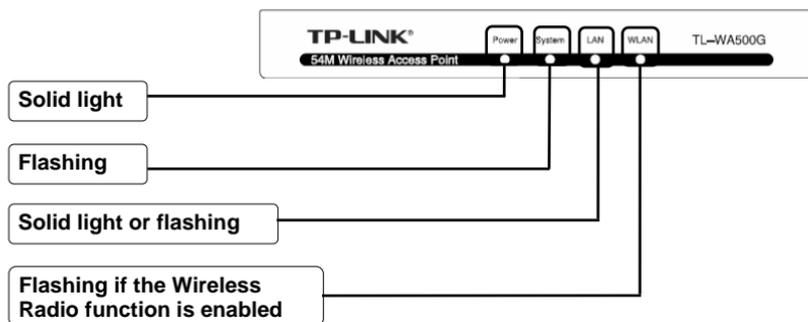
Note If the LEDs display abnormally, please check to see if all the cable connectors (power adapter and Ethernet cable) are well connected to your device.

2 Configuring the device

1 Login

Open your web browser and type in **192.168.1.254** in the address bar and press **Enter**
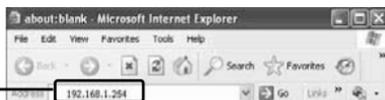
A dialog box will prompt you for the **Username** and **Password**. Enter the default values and click **OK**.

Username: admin
Password: admin

Click **OK**

② **Network Setting**

After successfully logging in, this page will then display.

You may need to change the LAN IP address and the gateway according to your network.

Click **Network**

Click **Save** after you have completed this settings
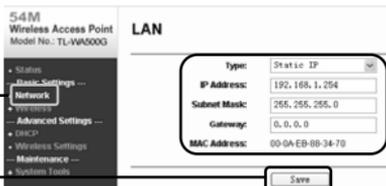
Note If you have changed the LAN IP address, please log in to the Access Point using the new IP address.

3 Operation Mode Selection

The TL-WA500G provides five operational modes: Access Point mode, Repeater mode, Client mode, Point-to-Point Bridge mode, and Point to Multi-Point Bridge mode. Please choose an appropriate operation mode for the Access Point.

Access Point Mode

In this mode, the Access Point will act as a wireless central hub for your wireless LAN clients, giving a wireless extension for your current wired network.

Repeater Mode

In this mode, the Access Point 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.

Client Mode

In this mode, the Access Point will act as a wireless card to connect with WISP.

Bridge Mode

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

Point-to-Point Bridge

Point-to-Multiple-Point Bridge
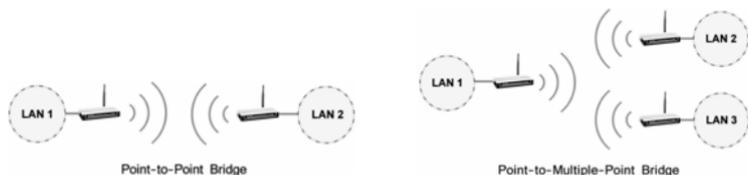
4 Operation Mode Setting

To choose the **Operation Mode**, please click **Wireless**

Click **Wireless Mode**

Choose the **Operation Mode** appropriate to your needs.
If **Access Point mode** is selected, please proceed to part **A**;
If **Repeater Mode** is selected, please skip to part **B**;
If **Client mode** is selected, please skip to part **C**;
If **Bridge mode** is selected, please skip to part **D**.

Note If the wireless security is required, please refer to the **Appendix A: Wireless Security Setup** to configure the Access Point after finishing the following operation mode settings.

A.   Access Point Mode

The TL-WA500G is set to Access Point mode by default. The wireless settings can be changed as follows:

Click **Wireless** > **Basic Settings**

Enter a unique name (SSID) for your wireless network

Click **Save**

Click **Save** at the bottom of this page. **Your setup is now complete.**

B.   Repeater Mode

Select **Repeater** or **Universal Repeater**

Click **Survey**

The **AP List** page will then pop up in a new window.

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

You will then be returned to the previous page.

The BSSID of the root Access Point/Router will be automatically filled into the **MAC of AP** box

Click **Save** at the bottom of this page. **Your setup is now complete.**

C. Client Mode

Select **Client**

Click **Survey** at the bottom of the page

The **AP List** page will then pop up in a new window.

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

You will then be returned to the previous page.

The SSID will be automatically filled into the SSID box
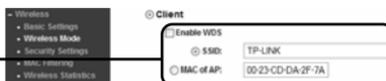
Click **Save** at the bottom of this page. **Your setup is now complete.**

D. Bridge Mode

Select **Point-to-Point Bridge**

Click **Survey** at the bottom of the page

The **AP List** page will then pop up in a new window.

Find the SSID of another bridge, and **click Connect** in the corresponding row

The BSSID of the remote bridge will be automatically filled into the **MAC of AP** box
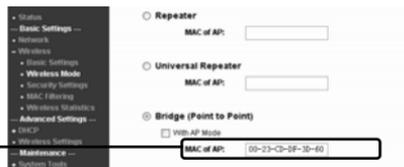
Click **Save** at the bottom of this page. **Your setup is now complete.**

Note   Please make sure all the bridges are set to operate in the same channel with different LAN IP address. The Access Points can also send the wireless signal to the wireless LAN clients if the "With AP mode" option is ticked. For instructions in **Point to Multi-Point Bridge** mode, please refer to the User Guide on the resource CD.

Troubleshooting

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

With the Access Point 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 Access Point 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 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?

<u>For Windows XP OS</u>

1) Go to **Start > Settings > Control Panel > Network and Internet Connections > Network Connections**;
Right Click **Local Area Connection or Wireless connection >** Select **Properties**;

2) Double Click **Internet Protocol (TCP/IP)** in the item list.

Select **Use the following IP address**, enter the 192.168.1.100 as the IP address, 255.255.255.0 as the Subnet mask;
Select **Use the following DNS server addresses**, enter the **DNS server address** provided by your ISP or network administrator;

3) Click **OK** button to finish the settings.

For Windows Vista OS

1) Go to **Start > Settings > Control Panel > View network status and tasks;** Click **View Status** at the right side **> Properties**;

2) Double Click **Internet Protocol Version 4 (TCP/IPv4)** in the item list;

   Select **Use the following IP address**, enter the 192.168.1.100 as the IP address, 255.255.255.0 as the Subnet mask;
   Select **Use the following DNS server addresses**, enter the **DNS server address** provided by your ISP or network administrator;

3) Click **OK** button to finish the settings.

Note More detailed instructions for the IP address settings can be found in the User Guide on the resource CD.

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.

Log on to the web management page.
Click **Wireless** on the leftmost side.

Click **Security Settings**

Select **WEP**

Select **64bit** type for Key 1

Enter a **WEP Key** using 10 characters which can be made up by number or letter (a to f, A to F)

Note The WPA-PSK/WPA2-PSK encryption type is more secure and recommended, but it is only available for Access Point mode and client mode.

Appendix B: 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.

Power adapter

DC   PoE LAN

PoE

TL-WA500G

Computer
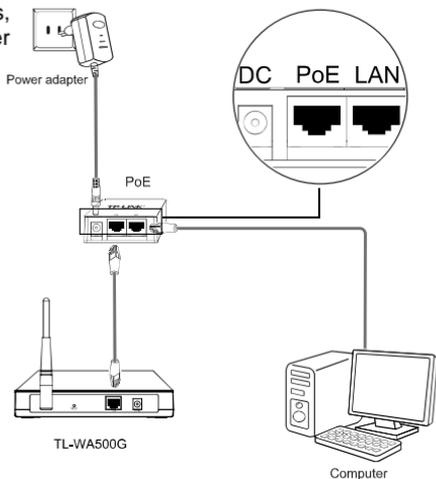
Note
1. Passive PoE Injector supports a maximum cable length up to 30 meters due to the environment.
2. For longer powered cable up to 100 meters, please choose TP-LINK's 48V PoE adapters: TL-POE200 or TL-POE150S & TL-POE10R.

Product information can be found on our official website http://www.tp-link.com.

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:

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

Australia & New Zealand
Tel: AU 1300 87 5465
        NZ 0800 87 5465
E-mail: support@tp-link.com.au
Service time: 24hrs, 7days a week

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

USA/Canada
Toll Free: +1 866 225 8139
E-mail: support.usa@tp-link.com
Service time: 24hrs, 7days a week

Switzerland
Tel: +41 (0)848 800998 (German service)
E-mail: 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)

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

Malaysia
Tel: 1300 88 875465 (1300 88TPLINK)
Email: support.my@tp-link.com
24 hours a day, 7 days a week

Germany/Austria
Tel: +49 1805 875465 (German Service) / +49 1805 TPLINK
E-mail: 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: GMT+ 1 or GMT+ 2 (Daylight Saving Time in Germany)
Except bank holidays in Hesse