

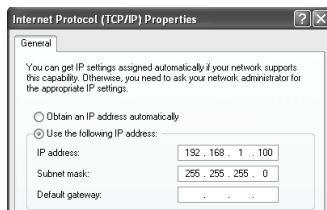
Installation

1

Connecting the Device for Configuration

1

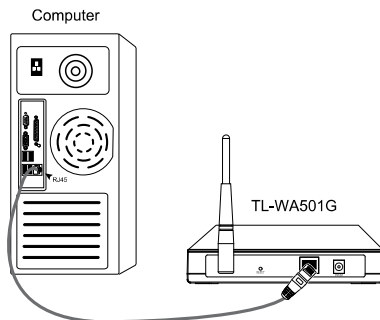
Assign a static IP address (192.168.1.100) for your computer. Please refer to **T3** in **Troubleshooting** guide on page 10 if you need assistance.



Note You may need to write down the original settings as a backup.

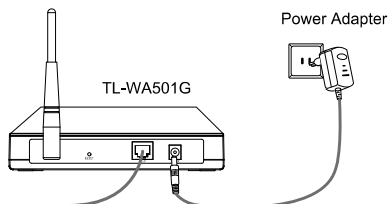
2

Connect your computer to the Access Point with the Ethernet cable or wirelessly. 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.

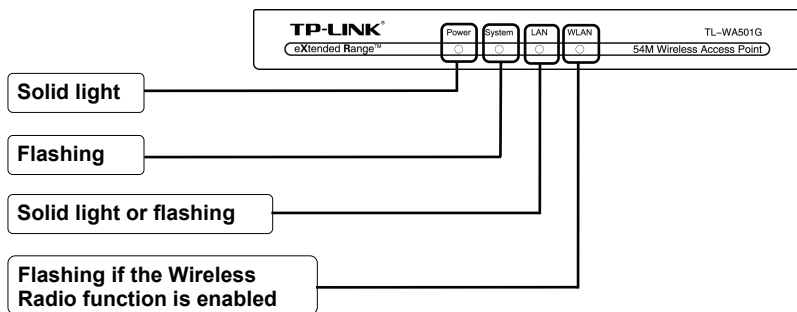


3

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



- 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 below describes.

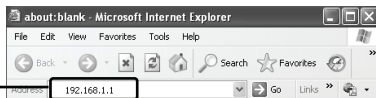


Note If the LEDs display abnormally, please check to see if all the cable connectors (power adapter and Ethernet cable) are well connected to your device.

2 Configuring the device

1 Login

Open your web browser and type in **192.168.1.1** 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**



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 Network Setting

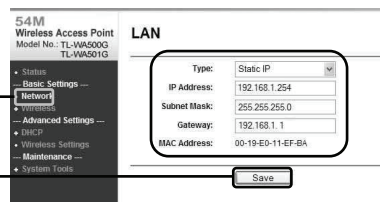
After successfully logging in, this page will then display.



If connecting the TL-WA501G with an existing network, please set a suitable **LAN IP address** and **Gateway** for the device.

Click **Network**

Click **Save** after you have completed these settings



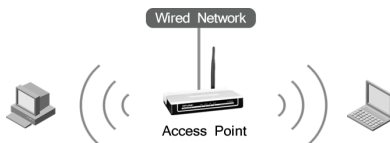
Note If the LAN IP address has been changed, please use the new IP address to login.

3 Operation Mode Selection

The TL-WA501G 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.

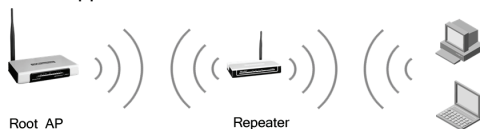
Access Point Mode

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.



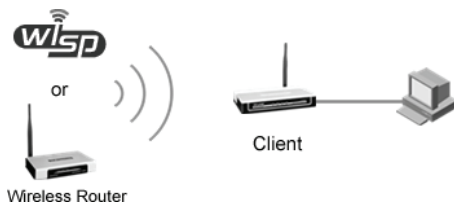
Repeater Mode

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.



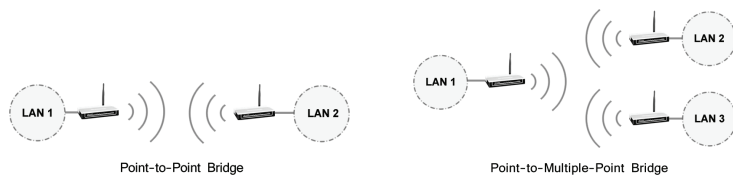
Client Mode

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



Bridge Mode

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



4 Operation Mode Setting

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

Click **Wireless Mode**

54M Wireless Access Point
Model No.: TL-WA600G
TL-WA601G

- Status
- Basic Settings ...
- Network
- Wireless
- Wireless Mode**
- Security Settings
- MAC Filtering ...
- Wireless Statistics
- Advanced Settings ...
- SNMP
- Wireless Settings
- Maintenance ...
- System Tools

Wireless Mode Settings

Disable Wireless

Access Point
 Enable SSID Broadcast

Client
 Enable WDS

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**.

54M Wireless Access Point
Model No.: TL-WA600G
TL-WA601G

- Status
- Basic Settings ...
- Network
- Wireless
- Wireless Mode**
- Security Settings
- MAC Filtering ...
- Wireless Statistics
- Advanced Settings ...
- SNMP
- Wireless Settings
- Maintenance ...
- System Tools

Disable Wireless

Access Point
 Enable SSID Broadcast

Client
 Enable WDS
SSID:

MAC of AP:

Repeater
MAC of AP:

Universal Repeater
MAC of AP:

A. Access Point Mode

The TL-WA501G is set to Access Point mode by default. The wireless settings can be changed as follows:

54M Wireless Access Point
Model No. TL-WA5002 TL-WA501G

Wireless Settings

SSID: TP-LINK_0006A5
Region: United States

Channel: 6
Mode: 54Mbps (802.11g)

Save

Click **Wireless > Basic Settings**

Enter a unique name (SSID) for your wireless network

Click **Save**

Note If the wireless security is required, please refer to the **Appendix: Wireless Security Setup** on page 12 to finish the settings.

Your setup is now complete. Please change your PC's IP address back to the original setting and refer to the images in section 3 “**Operation Mode Selection**” on page 4 to rebuild your network.

B. Repeater Mode

Basic Settings ...
Network
Wireless
Basic Settings
Wireless Mode
Security Settings
MAC Filtering
Wireless Statistics
Advanced Settings ...
WPS
Wireless Settings
Maintenance
System Tools

Repeater
MAC of AP: _____

Universal Repeater
MAC of AP: _____

Bridge (Point to Point)
 With AP Mode
MAC of AP: _____

Bridge (Point to Multi-Point)
 With AP Mode
MAC of AP1: _____
MAC of AP2: _____
MAC of AP3: _____
MAC of AP4: _____
MAC of AP5: _____

Survey

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.

AP List

AP Count: 4

ID	BSSID	SSID	Signal	Channel	Security	Choose
1	00-10-0F-01-00-14	TP-LINK	6 dB	6	OFF	Connect
2	00-11-22-33-44-55	RTP261_1	3 dB	6	OFF	Connect
3	00-21-27-00-20-30	TP-LINK_002B30	-2 dB	1	ON	Connect
4	02-10-10-01-00-01	TP-LINK_010001	10 dB	6	OFF	Connect

Refresh

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.

• Status
• Basic Settings ...
• Network
• Wireless
• Basic Settings
• **Wireless Mode**
• Security Settings
• MAC Filtering

Repeater
MAC of AP: 00-10-00-01-00-14

Universal Repeater
MAC of AP: _____

Click **Save** at the bottom of this page.

Save

Note: The current security method may be invalid after changing the wireless mode.

Note If the wireless security is required, please refer to the **Appendix: Wireless Security Setup** on page 11 to finish the settings.

Your setup is now complete. Please change your PC's IP address back to the original setting and refer to the images in section 3 “**Operation Mode Selection**” on page 4 to rebuild your network.

C. Client Mode

Select **Client**

• Status
• Basic Settings ...
• Network
• Wireless
• Basic Settings
• **Wireless Mode**
• Security Settings
• MAC Filtering

Disable Wireless

Access Point
 Enable SSID Broadcast

Client
 Enable WDS

• SSID: _____

• MAC of AP: _____

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

Survey

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

AP List

AP Count: 4

ID	BSSID	SSID	Signal	Channel	Security	Choose
1	00-10-00-01-00-14	TP-LINK	8 dB	6	OFF	Connect
2	00-11-22-33-44-55	RT2961_1	3 dB	6	OFF	Connect
3	00-21-27-00-30-30	TP-LINK_002030	-2 dB	1	ON	Connect
4	00-10-10-01-00-01	TP-LINK_001001	10 dB	6	OFF	Connect

[Refresh](#)

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.

• Wireless
• Basic Settings
• **Wireless Mode**
• Security Settings
• MAC Filtering
• Wireless Statistics

Client
 Enable WDS

• SSID: TP-LINK

• MAC of AP: 00-23-CD-DA-2F-7A

Click **Save** at the bottom of this page.

Save

Note: The current security method may be invalid after changing the wireless mode.

Note If the wireless security is required, please refer to the **Appendix: Wireless Security Setup** on page 12 to finish the settings.

Your setup is now complete. Please change your PC's IP address back to the original setting and refer to the images in section 3 “**Operation Mode Selection**” on page 4 to rebuild your network.

D. Bridge Mode

Select **Point-to-Point Bridge**

Bridge (Point to Point)

With AP Mode

MAC of AP:

Bridge (Point to Multi-Point)

With AP Mode

MAC of AP1:

MAC of AP2:

MAC of AP3:

MAC of AP4:

MAC of AP5:

MAC of AP6:

Survey

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

- Note**
1. The Access Points can send the wireless signal to the wireless LAN clients if the “**With AP mode**” option is ticked;
 2. For instructions in **Point to Multi-Point Bridge** mode, please refer to the User Guide on the resource CD.

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.

AP List

AP Count: 4

ID	BSSID	SSID	Signal	Channel	Security	Choose
1	08-10-0F-01-06-14	TP-LINK	6 dB	6	OFF	Connect
2	08-11-22-33-44-55	RT2861_1	3 dB	6	OFF	Connect
3	08-10-0F-01-06-14	TP-LINK_000000	6 dB	6	OFF	Connect
4	02-10-18-01-00-01	TP-LINK_010001	18 dB	6	OFF	Connect

Refresh

Note Make sure all the bridges are set to operate on the same channel with different LAN IP addresses.

The BSSID of the remote bridge will be automatically filled into the **MAC of AP** box.

Repeater
MAC of AP:

Universal Repeater
MAC of AP:

Bridge (Point to Point)
 WPA AP Mode
MAC of AP: 00-23-CD-8F-3D-60

Click **Save** at the bottom of this page.

Save

Note: The current security method may be invalid after changing the wireless mode.

Note If the wireless security is required, please refer to the **Appendix: Wireless Security Setup** on page 12 to finish the settings;

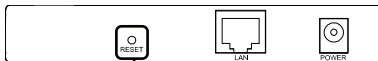
Your setup is now complete. Please change your PC's IP address back to the original setting and refer to the images in section 3 "**Operation Mode Selection**" on page 4 to rebuild your network.



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 device.

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?

For Windows XP OS

- (1) Click **Start** button then select **Control Panel (classic view) > Network Connections**;
Right-click **Local Area Connection** or **Wireless connection** then select **Properties**;
- (2) Double-click **Internet Protocol (TCP/IP)** at the bottom of 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**, and leave the **DNS server address** as blank;
- (3) Click **OK** button to finish the settings.

For Windows Vista OS

- (1) Click **Start** button then select **Control Panel (classic view) > Network and Sharing Center**,
Click **View Status** at the right side then select **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**, and leave the **DNS server address** as blank;
- (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 refer to **T1** on page 9 to 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.

Appendix Wireless Security Setup

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

Click **Security Settings**

54M Wireless Access Point
Model No.: TL-WN5002
TL-WN5012

Wireless Security

Disable Security

WEP

Type:

WEP Key Format:

Key Selected	WEP Key	Key Type
Key 1 <input checked="" type="radio"/>	<input type="text" value="0000000000000000"/>	<input type="text" value="Disabled"/>
Key 2 <input type="radio"/>	<input type="text"/>	<input type="text" value="Disabled"/>
Key 3 <input type="radio"/>	<input type="text"/>	<input type="text" value="Disabled"/>
Key 4 <input type="radio"/>	<input type="text"/>	<input type="text" value="Disabled"/>

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)

54M Wireless Access Point
Model No.: TL-WN5002
TL-WN5012

Wireless Security

Disable Security

WEP

Type:

WEP Key Format:

Key Selected: Key 1

WEP Key:

Key Type:

Click **Save** at the bottom of this page.

Save

Note: Some security mode can not be selected since it can not be supported by the current wireless mode.

- Note**
1. The encryption setting in the above example may not be suitable for your network, please set up the wireless security according to your specific requirements.
 2. The WPA-PSK/WPA2-PSK encryption type is more secure and therefore recommended, but it is only available for Access Point mode and client mode.

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

Singapore

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

Germany / Austria / Switzerland

Tel :+49 1805 875465 (German Service)
E-mail: support.de@tp-link.com
Service time: 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
Service time: Monday to Friday
9:00 AM to 9:00 PM AEST

USA/Canada

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

UK

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