



Quick Start Guide for Standalone EAP

CHAPTERS

1. Determine the Management Method
2. Build the Network Topology
3. Log In to the EAP
4. Edit the SSID
5. Configure and Manage the EAP



This guide applies to:

EAP225-Outdoor 1.0, EAP110-Outdoor 3.0, EAP110 4.0, EAP115 4.0, EAP115-Wall 1.0, EAP225-Wall 2.0, EAP225 3.0, EAP245 3.0, EAP320 2.0, EAP330 2.0.

This guide introduces how to build a wireless network using the EAPs and how to complete the basic settings:

1. Determine the Management Method
2. Build the Network Topology
3. Log In to the EAP
4. Edit the SSID
5. Configure and Manage the EAP

The following parts detailedly introduces these steps.

1 Determine the Management Method

Before building the wireless network, choose a proper method to manage the EAP based on your actual network situation. There are two methods: via EAP Controller and via the web page of the EAP.

- Via EAP Controller

If you want to establish a large-scale wireless network and have mass EAPs to be managed, we recommend that you use EAP Controller to centrally manage the EAPs. In such case, the EAPs work in FIT mode.

For detailed instructions about the network topology in such situation and how to use EAP Controller, refer to the User Guide of EAP Controller. To download EAP Controller and its User Guide, go to <http://www.tp-link.com/en/download/EAP-Controller.html>.

- Via the Web Page of the EAP

If you have a relatively small-sized wireless network and only one or just a small number of EAPs need to be managed, you can directly use the web browser to manage each EAP on its own management web page. In such case, the EAP works in Standalone mode (FAT mode), which means that it works independently as a standalone access point.

This guide introduces how to configure the Standalone EAP on its web page.

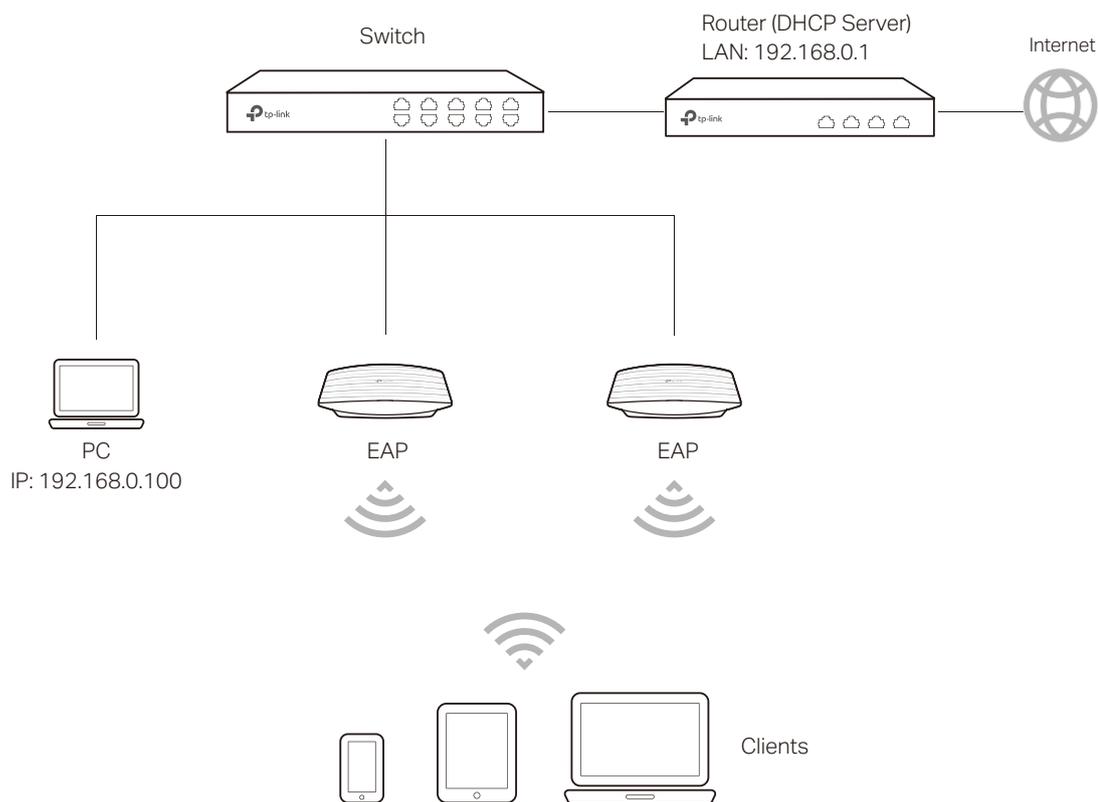
 **Note:**

The web page of an EAP is inaccessible while it is managed by EAP Controller. To turn the EAP back to Standalone mode and access its web page, you can forget the EAP on EAP Controller to reset the EAP or simply close EAP Controller.

2 Build the Network Topology

To manage the EAPs in Standalone mode, refer to the following topology.

Figure 2-1 Network Topology



- The router is the gateway of the network, and devices in the LAN surf the internet via the router. At the same time, the router acts as a DHCP server to assign dynamic IP addresses to the EAPs and clients.
- The layer 2 switch is connected to the LAN interface of the router.
- The PC and the EAPs are all connected to the layer 2 switch. Since the PC and the EAPs are in the same network segment, the PC can log in to the web pages of the EAPs and manage them.

3 Log In to the EAP

There are two methods to log in to the EAP. You can choose one as you like: **Log In via the Domain Name** and **Log in via the IP Address of the EAP**.

Note:

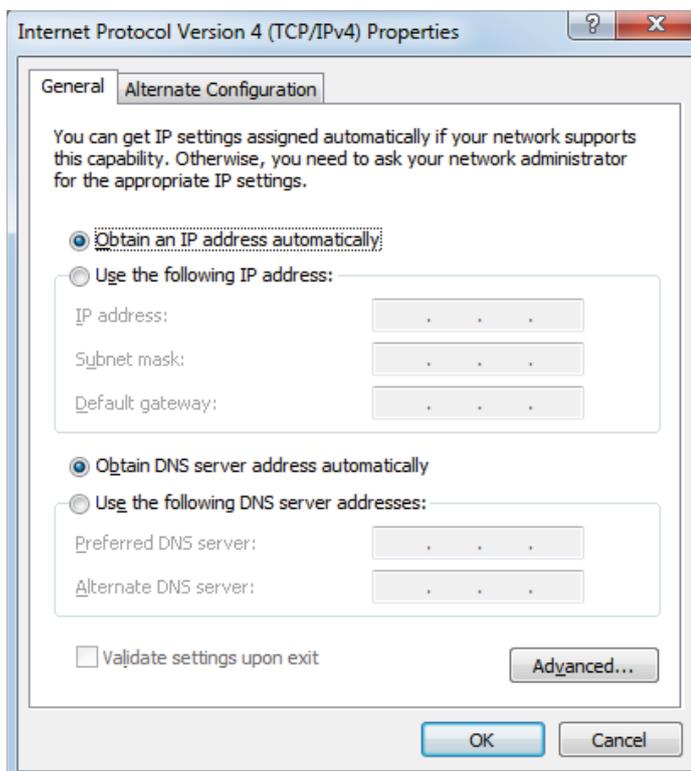
EAP320 and EAP330 are not currently available for login via domain name.

3.1 Log In via the Domain Name

In this method, you needn't know the IP address of the EAP, but you need to prepare a wireless client device, such as a wireless laptop. Follow the steps below to log in to the EAP wirelessly:

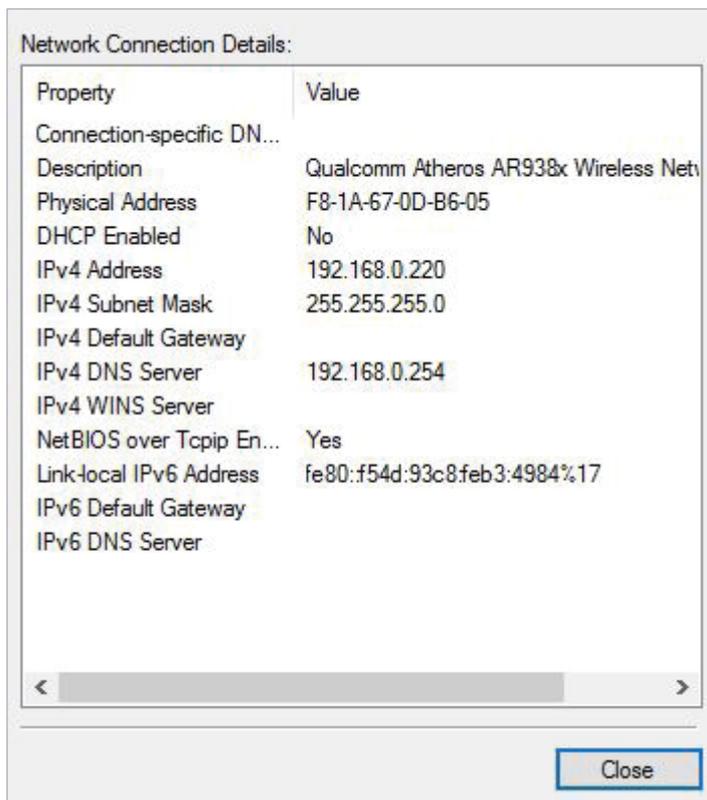
- 1) Find the default SSID of the EAP. The SSID is printed on the product label at the bottom of the device, and the format is **TP-LINK_2.4GHz/5GHz_XXXXXX**.
- 2) Make sure that the wireless client device gets IP settings assigned automatically.

Figure 3-1 Configuring IP Address



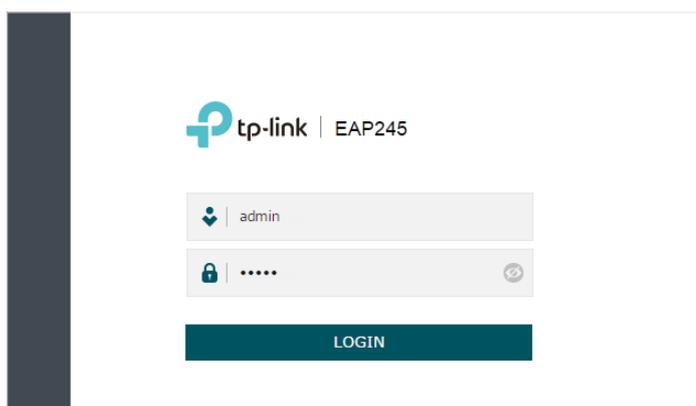
- 3) Make sure that the wireless client has been assigned with an IP address and has got the IP addresses of the DNS server and the gateway.

Figure 3-2 Getting IP Address



- 4) Search the default SSID using your wireless client device and connect to the wireless network of the EAP. Launch a web browser on the client device and enter **http://tplinkeap.net** in the address bar to load the login page of the EAP. Use **admin** for both of the username and password to log in.

Figure 3-3 Logging In



- 5) In the pop-up window, configure a new username and a new password for your user account.

Figure 3-4 Setting Username and Password

Set up a new username and password

New Username:

New Password:
 Low Middle High

Confirm Password: ✓

Confirm

6) Use the new username and password to log in.

Figure 3-5 Using New Account to Logging In

tp-link | EAP245

LOGIN

Tips

To facilitate access to the EAP via a wired device, you can set a static IP address for the EAP and remember it well or write it down. But make sure that this IP address is not being used in the same LAN.

3.2 Log In via the IP Address of the EAP

To log in to the EAP through the Ethernet cable, you need to know the IP address of the EAP. Follow the steps below to log in via the IP address of the EAP:

- 1) Get the IP address of the EAP. There are two methods.
 - Log in to the router which acts as the DHCP server. In the DHCP client list, find the IP address of your EAP according to its MAC address. The MAC address can be found at the bottom of the EAP.
 - Go to http://www.tp-link.com/en/download/EAP-Controller.html#EAP_Discovery_Tool to download EAP Discovery Utility. EAP Discovery Utility is a software that can scan all EAPs in the same network segment. Install and launch EAP Discovery Utility on the PC, and find the IP address of the EAP. In the following figure, the IP address of the EAP is **192.168.0.5**.

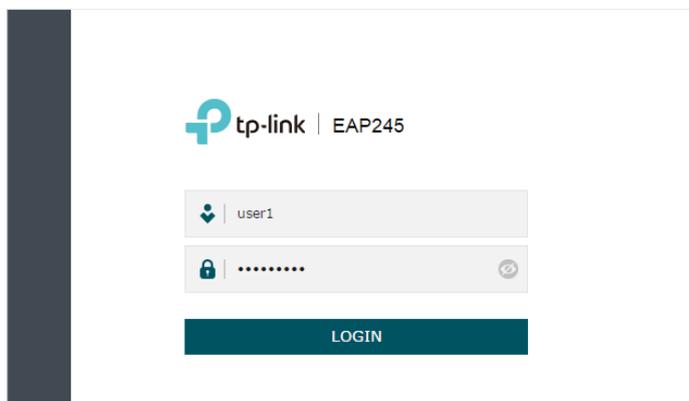
Figure 3-8 Setting New Username and Password



The screenshot shows a web form titled "Set up a new username and password". It contains three input fields: "New Username:" with the value "user1", "New Password:" with masked characters and a strength indicator showing "Low", "Middle" (highlighted in yellow), and "High", and "Confirm Password:" with masked characters and a checkmark icon. A dark teal "Confirm" button is located at the bottom right of the form.

- 4) Use the new username and password to log in.

Figure 3-9 Using New Account to Logging In



The screenshot shows the TP-Link EAP245 login page. It features the TP-Link logo and "EAP245" text. Below the logo are two input fields: "user1" for the username and a masked password field with a toggle icon. A dark teal "LOGIN" button is positioned below the password field.

Tips

To facilitate access to the EAP via a wired device, you can set a static IP address for the EAP and remember it well or write it down. But make sure that this IP address is not being used in the same LAN.

4 Edit the SSID

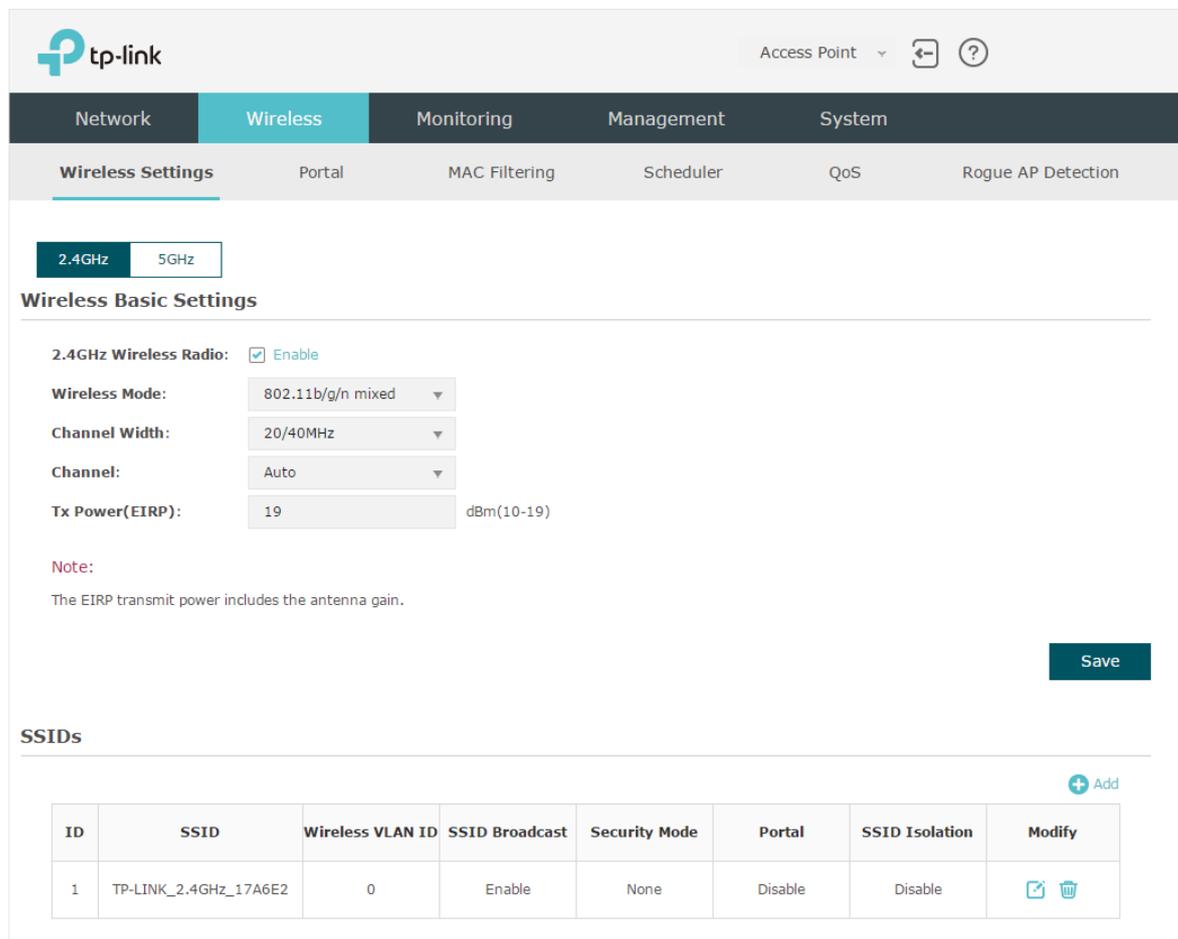
By default, the dual-band EAP has two default SSIDs named **TP-LINK_2.4GHz_XXXXXX** and **TP-LINK_5GHz_XXXXXX** on the 2.4GHz band and 5GHz band, and the single-band EAP has a default SSID named **TP-LINK_2.4GHz_XXXXXX** on the 2.4GHz band.

The default SSID has no password, so anyone can access the network without authentication. If your network is a private network, for security, we recommend that you change the SSID configuration immediately after login.

Follow the steps below to edit the default SSID:

- 1) Go to the **Wireless > Wireless Settings** page. In the **SSIDs** section, click  in the **Modify** column of the SSID entry.

Figure 4-1 Configuring SSID



The screenshot shows the TP-Link web interface for configuring wireless settings. The 'Wireless Settings' page is active, with the 'Wireless Basic Settings' section expanded. The 2.4GHz Wireless Radio is enabled. The Wireless Mode is set to 802.11b/g/n mixed, Channel Width is 20/40MHz, Channel is Auto, and Tx Power(EIRP) is 19 dBm. A note indicates that the EIRP transmit power includes the antenna gain. Below the settings is the 'SSIDs' section, which contains a table with one entry:

ID	SSID	Wireless VLAN ID	SSID Broadcast	Security Mode	Portal	SSID Isolation	Modify
1	TP-LINK_2.4GHz_17A6E2	0	Enable	None	Disable	Disable	 

- 2) The following page will appear. Change Security Mode from **None** to **WEP**, **WPA-Enterprise** or **WPA-PSK**. Configure the related parameters and click **OK**. For security, we recommend that you choose **WPA-PSK**.

Figure 4-2 Editing SSID

SSIDs + Add

ID	SSID	Wireless VLAN ID	SSID Broadcast	Security Mode	Portal	SSID Isolation	Modify
1	TP-LINK_2.4GHz_17A6E2	0	Enable	None	Disable	Disable	

SSID:

Wireless VLAN ID: (1-4094)

SSID Broadcast: Enable

Security Mode:

Version: Auto WPA-PSK WPA2-PSK

Encryption: Auto TKIP AES

Wireless Password:

Group Key Update Period: seconds (30-8640000. 0 means no update.)

Portal: Enable

SSID Isolation: Enable

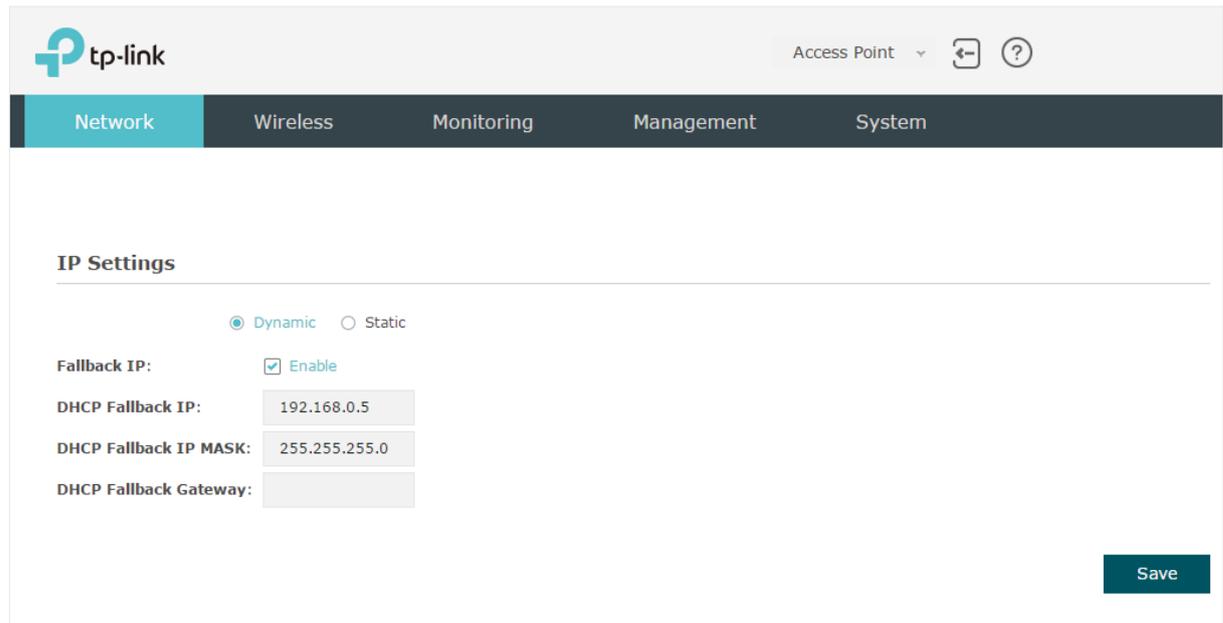
Tips

- If needed, you can also create more new SSIDs.
- If your EAP is a dual-band EAP, remember to configure the SSID of the 5GHz band in the same way.

5 Configure and Manage the EAP

After all the steps above are completed, the legal wireless clients can enjoy the internet via the EAP. Additionally, you can configure the advanced functions of the EAP according to your need, and manage it conveniently on the web page.

Figure 5-1 Managing EAP



On the top of the page, you can click  to log out and click  to open the technical support website.

There are five tabs: **Network**, **Wireless**, **Monitoring**, **Management** and **System**. The following table introduces what you can configure under each tab.

Network	You can configure the IP address of the EAP.
Wireless	You can configure the wireless parameters and the advanced features, such as Portal, MAC Filtering, Scheduler, QoS and Rogue AP Detection.
Monitoring	You can view the information of the EAP, SSIDs and clients.
Management	You can manage the EAP using the management features, such as System Logs, Web Server, Management Access, Management VLAN and SNMP.
System	You can configure the system parameters, including the login account and the system time. In addition, you can reboot and reset the EAP, backup and restore the configuration, and upgrade the EAP using the new firmware file.

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