tp-link

Quick Installation Guide
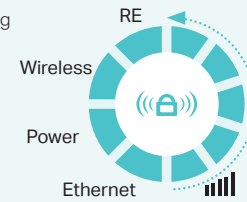
Applicable Model: TL-WA850RE

EAC

LED Explanation

RE
On/Off: The extender is connected or not connected to your router's wireless network.
Blinking: WPS connection is being established.

Wireless
On/Off: The extender's wireless function is enabled or disabled.

Power
On/Off: The extender is on or off.

(Signal Strength)
Indicates the Wi-Fi connection between the extender and the router. More lit LEDs indicate a better signal strength.

Ethernet
On/Off: The Ethernet port is connected or not connected to a powered-on device.

RE
Wireless
Power
Ethernet

WPS **Option ONE:** Your router supports Wi-Fi Protected Setup (WPS). The WPS button of a router might look like one of these: ⚡ | WPS | 📶 .

e **Option TWO:** Your router doesn't support WPS or you are not sure.

Option ONE   Quick Setup Using the WPS Button

1 Power on
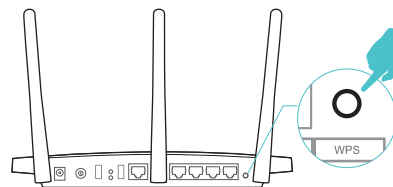
Plug the extender into an eletrical outlet **next to** your router.

🕐 Wait until the Wireless LED turns solid on.

Wireless
Power
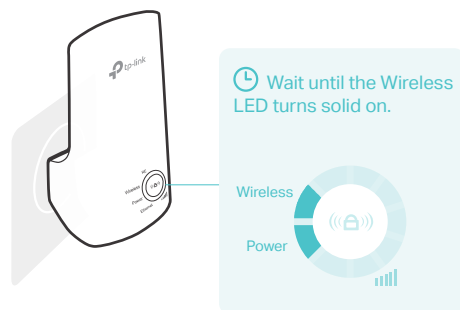
2 Connect to the Extender

1 Press the WPS button on your router.

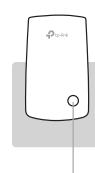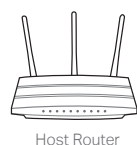**2** Press the 🔒 button on your extender within 2 minutes.

🕐 The RE LED should turn solid on.
If not, please use Option TWO.
RE

WPS

⚠ 1. Some ISP gateways disable the WPS function by default. If the WPS method fails, please use **Option TWO**.
2. For more information about using WPS on your router, please refer to the router manufacturer's user guide.

3 Relocate

1 Plug in the extender about halfway between your router and the Wi-Fi dead zone. The location you choose must be within the range of the host network.

2 Wait until the 📶 LEDs are lit. Make sure **3 or more LEDs lit**. If not, **relocate it closer to the router** to achieve better signal quality.

Host Router → 📶 Host Network → Extended Network → Clients

Best
5 4 3 2 1
Good ≥3 LEDs lit on
Slow/Unstable

☺ Enjoy!

The extended network shares the same wireless network name and password as that of your host network.

MyHome   MyHome
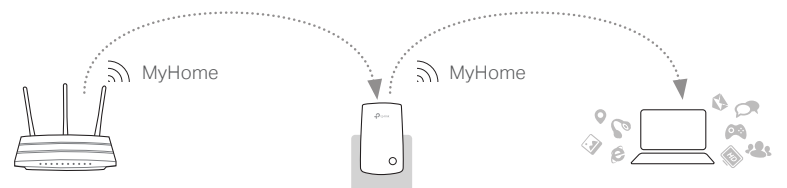
Entertainment Adapter

The extender can be used as a wireless adapter to connect any Ethernet-only device such as a Blu-ray player, game console, DVR, or smart TV to your Wi-Fi network.

First, connect the extender to your router using Option ONE or Option TWO, then connect your Ethernet-only device to the extender via an Ethernet cable.

Ethernet Connection

Smart TV   Game Console   Desktop   Router
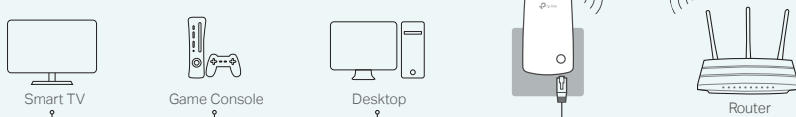
TP-Link Tether App

Tether provides a simple, intuitive way to access and manage your extender with your iOS or Android devices.

Tether

🔧 Setup the extender   📶 Modify wireless settings

🔔 Turn on/off the LEDs   🖥 Block unwelcome devices

How to begin?
1. Download the Tether app from the Apple App Store or Google Play Store.
2. Ensure your device is wirelessly connected to the extender or to the host router.
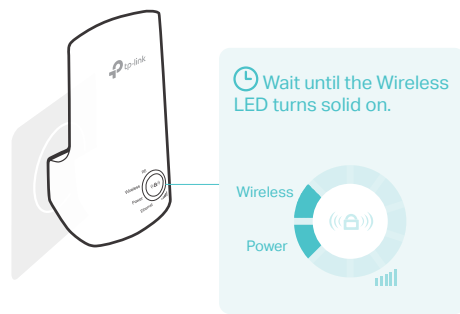3. Launch the app and start managing your extended network.

Scan to download

1 Power on

Plug the extender into an eletrical outlet **next to** your router.

🕐 Wait until the Wireless LED turns solid on.

Wireless
Power

2 Connect to the extender

For Windows Users

Connections are available	⚡
Wireless Network Connection	▲
TP-Link_Extender	📶
☑ Connect automatically	**Connect**
MyHome	🔒 📶
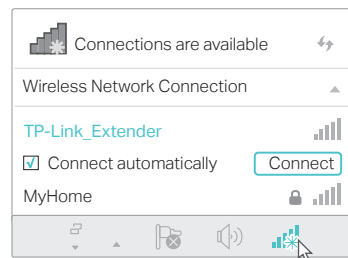
1. Unplug the Ethernet cable from your computer (if any).
2. Click the Wi-Fi icon on the taskbar and connect to the extender's network **TP-Link_Extender**.
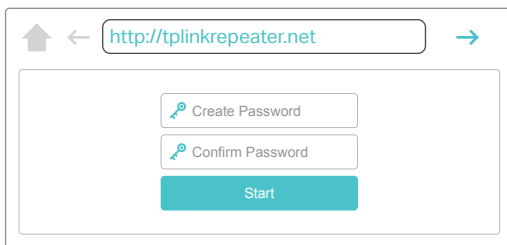
For Mac OS X Users

Wi-Fi: On
Turn Wi-Fi Off

TP-Link_Extender 📶
MyHome 🔒 📶

Join Other Network...
Create Network...
Open Network Preferences...
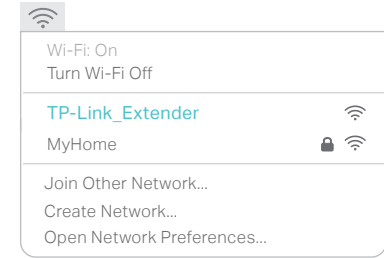
1. Unplug the Ethernet cable from your Mac (if any).
2. Click the Wi-Fi icon in the top right corner of the screen and connect to the extender's network **TP-Link_Extender**.
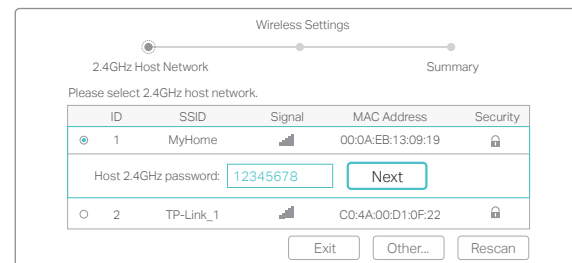
3 Configure

1 Launch a web browser and enter **http://tplinkrepeater.net** or **http://192.168.0.254** in the address bar. Create a password for future login attempts, and click **Start**.

🏠 ← http://tplinkrepeater.net →

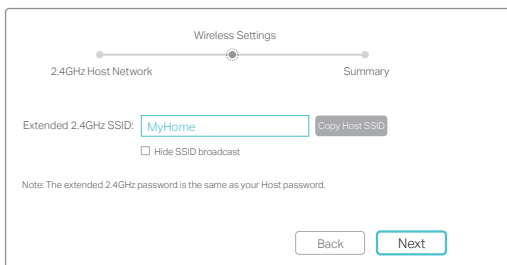🔑 Create Password
🔑 Confirm Password
Start

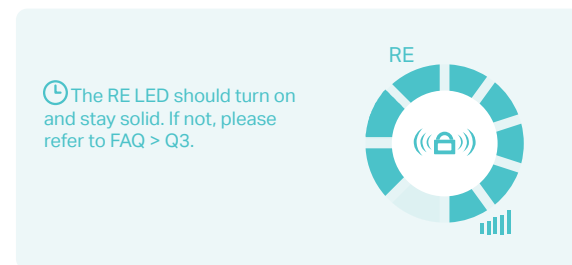⚠️ If the login window does not appear, please refer to the FAQ > Q1.

2 Select your **router's 2.4GHz network** and enter its wireless password (NOT the account password you just created for management). Then click **Next**.

Wireless Settings

2.4GHz Host Network ——————— Summary

Please select 2.4GHz host network.

ID	SSID	Signal	MAC Address	Security
⦿ 1	MyHome	📶	00:0A:EB:13:09:19	🔒
	Host 2.4GHz password: 12345678		**Next**	
○ 2	TP-Link_1	📶	C0:4A:00:D1:0F:22	🔒

Exit | Other... | Rescan

3 Either keep the default SSID or customize it for the 2.4GHz extended network, and click **Next**.

Wireless Settings

2.4GHz Host Network ——————— Summary

Extended 2.4GHz SSID: MyHome | Copy Host SSID
☐ Hide SSID broadcast

Note: The extended 2.4GHz password is the same as your Host password.

Back | Next

4 Verify your wireless settings and click **Save**. And then check the RE LED.

🕐 The RE LED should turn on and stay solid. If not, please refer to FAQ > Q3.

RE

4 Relocate

Flip this piece of paper, and refer to **Step 3** of **Option ONE**.

☺ Enjoy!

The extended network shares the **same Wi-Fi password** as that of your host network, but may have **different wireless network name** if you have customized it during the configuration.

FAQ(Frequently Asked Questions)

Q1. Why can't I access the login page after entering http://tplinkrepeater.net in the browser?
- Make sure your computer is connected to the extended network.
- Make sure your computer is set to obtain an IP address and DNS server address automatically.
- Use the IP address to access the extender. The default IP is 192.168.0.254. If the extender has connected to the router, you should go to your router's DHCP client list to obtain the extender's current IP address.
- Reset the extender and connect to its wireless network. Enter **http://tplinkrepeater.net** or **http://192.168.0.254** in the web browser and press **Enter**.

Q2. How do I reset the extender?
- With the extender powered on, use a pin to press and hold the **RESET** button until all the LEDs turn on momentarily. Then release the button.

Q3. Why doesn't the RE LED light up after I completed Option TWO?
- You may have entered an incorrect Wi-Fi password of your host network during the configuration. Log in to the extender's web management page to check the password and try again.
- The extender may be out-of-range. Please move it closer to the router. Reset the extender and go through the configuration again.

Q4. I enabled a wireless MAC filter, wireless access control, or access control list (ACL) on my router. What should I do before configuring and using the extender?
- If your have enabled those features of your host router, you may need to disable them first, and then follow Option ONE or Option TWO to complete the configuration.
- For details, please visit **www.tp-link.com** and refer to the **FAQ section** in the extender's User Guide.