TP-LINK®
The Reliable Choice

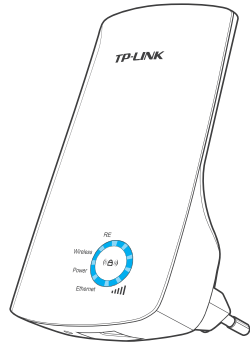We'll use the TL-WA850RE as an example for this installation guide.

Quick Installation Guide

Applicable Models:

TL-WA850RE & TL-WA750RE   EAC

WPS **Option ONE:** Quick Setup using the WPS Button
e **Option TWO:** Setup using your Web Browser

7106505034   REV1.4.0

LED Legend

Wireless
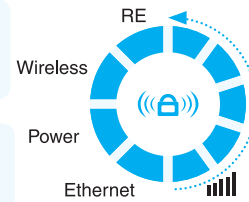**Blinking:** The wireless function is working properly.

Power
On: The Range Extender is on.

Ethernet
On: The Ethernet port is connected.
Blinking: The Ethernet port is transmitting data.
Off: The Ethernet port is not connected.

RE
Wireless
Power
Ethernet

RE
On: The Range Extender is connected to your router.
Blinking: The Range Extender is establishing a connection with your router.
Off: The Range Extender is not connected to your router.

(Signal Strength)
On: The number of lit LEDs indicates the strength of wireless signal.
Blinking: A connection to your router has been established, but no Internet access yet.
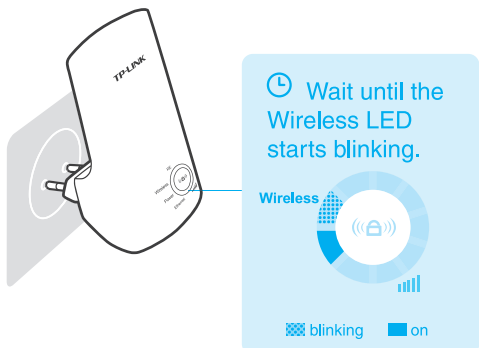**Off:** The Range Extender is not connected to your router.

Option ONE — Quick Setup using the WPS Button
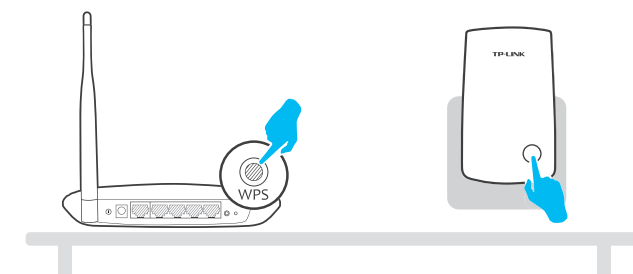### Your router must support WPS

1 Power on

Plug in next to your Router.

① Wait until the Wireless LED starts blinking.

Wireless

blinking   on

2 Connect

① Press the WPS button.   ② Press the ((🔒)) button.   ③
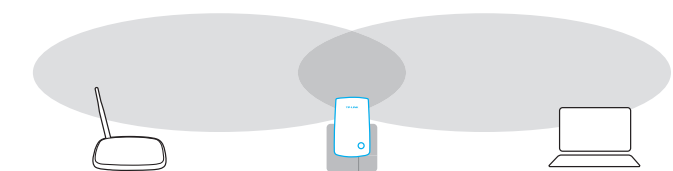
WPS

① The RE LED should go from blinking to solid 'on'.

RE

blinking   on

⚠ If the RE LED does not go from blinking to solid 'on', please use **Option TWO**.

3 Relocate

After the extender is relocated to a new place, the extender will reconnect to your router automatically in about one minute.

Best
5
4
3   Good ≥3 LEDs
2
1
Bad

The ideal location for your extender is **halfway** between your wireless router and wireless devices.

Make sure your extender is in a location where a minimum of **3 signal strength LEDs are lit**.

far away

Keep the extender away from devices like cordless phones, Bluetooth devices and microwave ovens to minimize wireless interference.

If possible, try to place your extender **in open corridors or spacious locations** rather than a crowded room.

😊 Enjoy!

The Range Extender **shares** your router's **Wireless Network Name (SSID)** and **Wireless Password**.

SSID (TP-LINK_XXX)
Password (ABCDEF)

SSID (TP-LINK_XXX)
Password (ABCDEF)
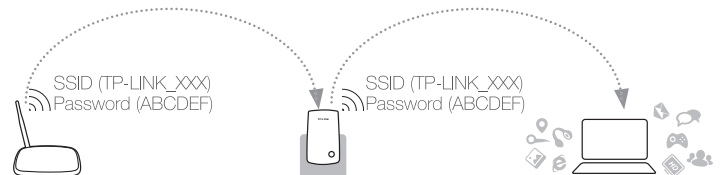
Frequently Asked Questions (FAQ)

Q1. What should I do if my router doesn't have a WPS button?
A: Please use **Option TWO** to set up the Range Extender.

Q2. Why can't I see the login page after entering **http://tplinkrepeater.net** in the browser?
A: First, make sure your computer is connected to the extender network and disconnected from any other network. Second, make sure your computer is set to **Obtain an IP address automatically**.

Q3. Why doesn't the RE LED light up after I finish Option TWO?
A: You may have typed in the wrong wireless password for your router. Please reset the Range Extender, double check your router's wireless password and set up the Range Extenger again.

Q4. How do I reset the Range Extender?
A: While the Range Extender is plugged in, use a pin to press the **RESET** button for 2 seconds (refer to the diagram). Wait 5 seconds until all the LEDs flash once.
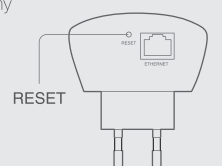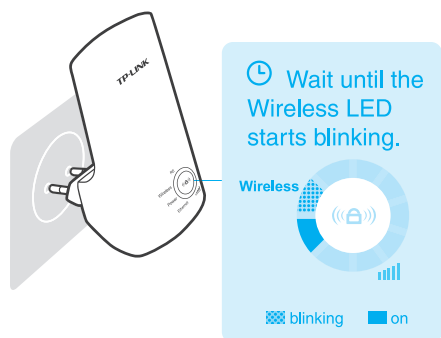
RESET

1 Power on

Plug in next to your Router.

🕐 Wait until the Wireless LED starts blinking.

Wireless

▨ blinking   ▮ on

2 Connect your computer to the TL-WA850RE

🔌 Connecting via **Ethernet Cable**

1. Disconnect your computer from all wireless networks.

2. Connect the TL-WA850RE to your computer via an Ethernet cable. Then continue to **Step 3.**

RE
Wireless
Power
Ethernet

▨ flashing   ▮ on

or
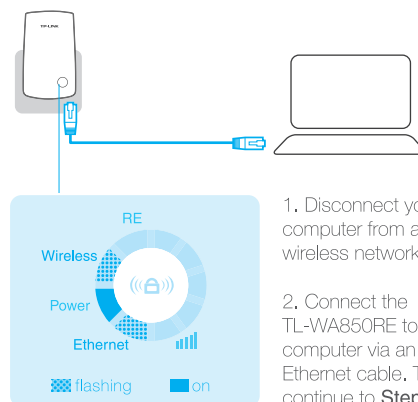
📶 Connecting via **Wireless**

1. Disconnect your Ethernet Connection. Click the **Wireless Network Connection** icon on your desktop.

2. Click the **refresh** icon ⟲ and connect to the TL-WA850RE (the default wireless network name is: **TP-LINK_Extender _XXXXXX**) and continue to **Step 3.**

Not connected
Connection are available
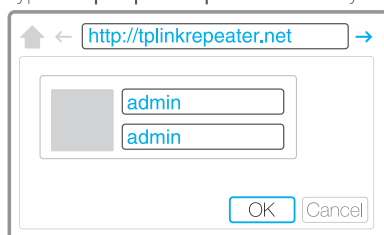Wireless Network Connection
TP-LINK_Extender_XXXXXX
☑ Connect automatically   [Connect]

3 Configure

① Type "**http://tplinkrepeater.net**" in your Web browser and press **Enter**. Log in to the management page using user name "**admin**" and password "**admin**".

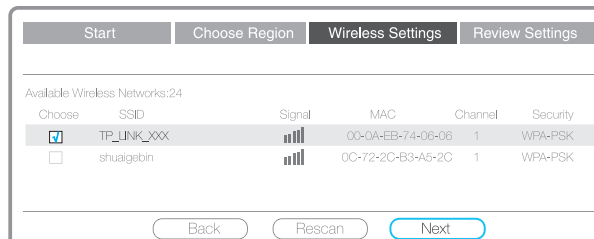http://tplinkrepeater.net

admin
admin

[OK] [Cancel]

⚠ It may take 5 seconds or more for the **login page** to pop up.
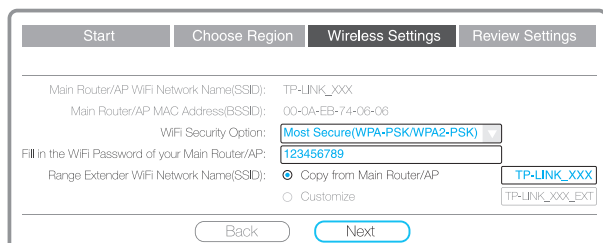If it does not pop up, **refresh** the browser, otherwise, please refer to the FAQ > Q2.
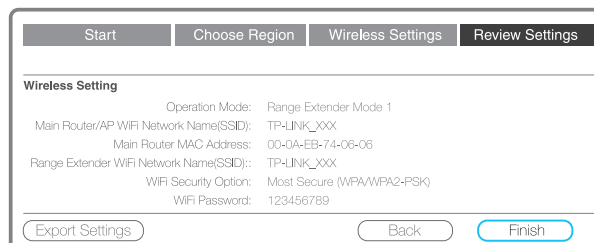
② Below are the major steps of the setup process.

Start	Choose Region	Wireless Settings	Review Settings

Main Router/AP WiFi Network Name(SSID):
Connection Status: Disconnected
The Range Extender doesn't extend any WiFi network yet.
Please click Next to set up the Range Extender or click Exit to go to the Device Management Page.

[Exit] [Next]

a. After logging in, you will see the **Quick Setup page**.

Start	Choose Region	Wireless Settings	Review Settings

Available Wireless Networks:24

Choose	SSID	Signal	MAC	Channel	Security
☑	TP_LINK_XXX	📶	00-0A-EB-74-06-06	1	WPA-PSK
☐	shuaigebin	📶	0C-72-2C-B3-A5-2C	1	WPA-PSK

[Back] [Rescan] [Next]

b. Select your Router/AP's **Wi-Fi** network, for example, **TP_LINK_XXX**.

Start	Choose Region	Wireless Settings	Review Settings

Main Router/AP WiFi Network Name(SSID):   TP-LINK_XXX
Main Router/AP MAC Address(BSSID):   00-0A-EB-74-06-06
WiFi Security Option: Most Secure(WPA-PSK/WPA2-PSK)
Fill in the WiFi Password of your Main Router/AP: 123456789
Range Extender WiFi Network Name(SSID):   ⦿ Copy from Main Router/AP   [TP-LINK_XXX]
  ○ Customize   [TP-LINK_XXX_EXT]

[Back] [Next]

c. Fill in the **Wi-Fi Password of your main Router/AP**. The TL-WA850RE's Wi-Fi network name (SSID) can be copied from your main Router/AP name (**TP-LINK_XXX**) OR BE CUSTOMIZED A NEW ONE (**TP-LINK_XXX_EXT**).

Start	Choose Region	Wireless Settings	Review Settings

Wireless Setting

Operation Mode: Range Extender Mode 1
Main Router/AP WiFi Network Name(SSID):   TP-LINK_XXX
Main Router MAC Address: 00-0A-EB-74-06-06
Range Extender WiFi Network Name(SSID)::   TP-LINK_XXX
WiFi Security Option: Most Secure (WPA/WPA2-PSK)
WiFi Password: 123456789

[Export Settings]   [Back] [Finish]

d. Review the settings, especially the WiFi password. Click **Finish** if the settings are correct.

🕐 The RE LED should go from blinking to solid 'on'.

RE

▨ blinking   ▮ on

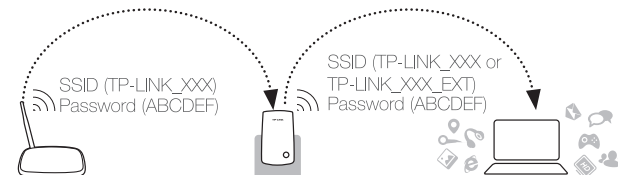## 4 Relocate

Please refer to **Step 3** of Option ONE.

☺ **Enjoy!**

The Range Extender shares your router's wireless password, but may have a different wireless network name.

SSID (TP-LINK_XXX) Password (ABCDEF)

SSID (TP-LINK_XXX or TP-LINK_XXX_EXT) Password (ABCDEF)

Entertainment Adapter

The Range Extender can be used as a wireless adapter to connect to an Ethernet device, like a Blu-ray player, a game console, a DVR, or a smart TV to a wireless network. Please follow **Option ONE** or **Option TWO** to set up the Range Extender first and then connect an Ethernet device according to the diagram on the right.

Ethernet Connection

Wireless Connection

Smart TV   Game Console   Desktop   Laptop   Smartphone   Tablet