TP-LINK®
The Reliable Choice

Quick Installation Guide

Applicable Model:

TL-WA854RE

WPS **Method ONE:** Quick Setup using the WPS Button

e **Method TWO:** Setup using your Web Browser
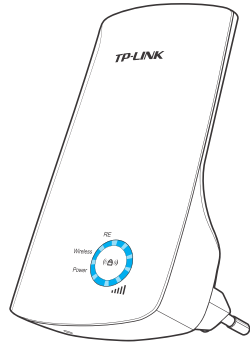
7106504592   REV1.0.0

LED Explanation

RE
On: A secure connection has been established.
Flashing: TL-WA854RE is establishing a secure connection.
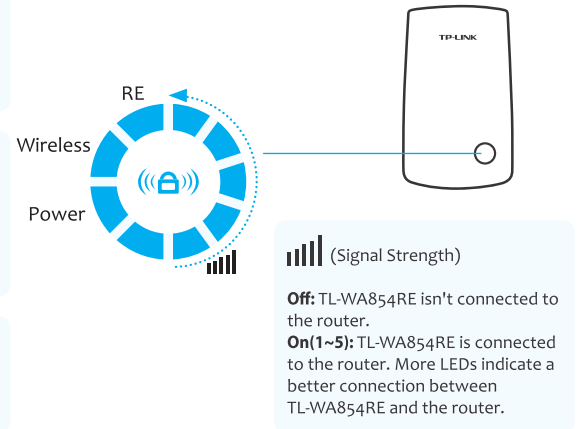**Off:** No connection is active.

Wireless
Off: The wireless function of TL-WA854RE is disabled.
Flashing: The wireless function of TL-WA854RE is enabled.

Power
On: TL-WA854RE is on.
Off: TL-WA854RE is off.

RE
Wireless
Power

⊪⊪⊪ (Signal Strength)

Off: TL-WA854RE isn't connected to the router.
On(1~5): TL-WA854RE is connected to the router. More LEDs indicate a better connection between TL-WA854RE and the router.
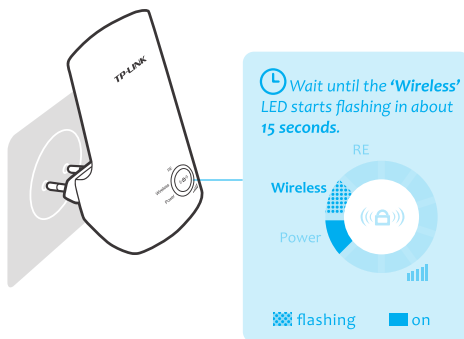

Method ONE   Quick Setup using the WPS Button
Use this if your router or AP supports WPS

1 Power on

Plug your TL-WA854RE in **near** your router or AP.

⏱ Wait until the **'Wireless'** LED starts flashing in about **15 seconds**.

RE
Wireless
Power

▨ flashing   ▪ on

2 Push the two WPS buttons
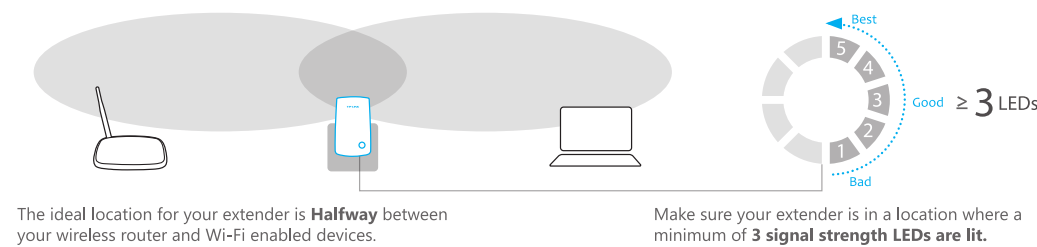
① Push the WPS button on your router/AP according to its instructions.

② Within 2 minutes, push the «A» button on your TL-WA854RE.

WPS

⏱ The **'RE'** LED should go from flashing to solid in about **2 minutes**. Wait until several (1~5) **'Signal Strength'** LEDs ⊪⊪⊪ turn on .

RE   Best
Wireless
Power   Good

Bad

▨ flashing   ▪ on

⊙ If the WPS connection fails, please go to **Method TWO**.
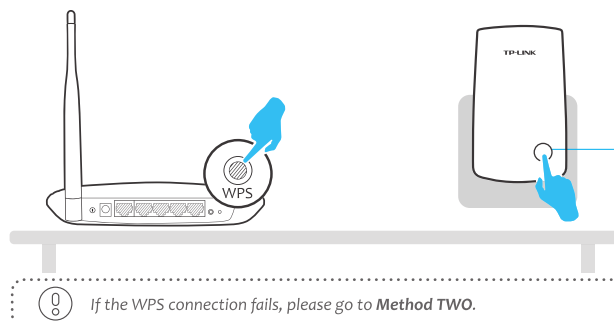
3 Relocate

Once your TL-WA854RE is properly configured, you can move it to a more ideal location for optimal signal quality and range extension.
Once placed in another power outlet, the extender will **reconnect to the main router automatically in about 30 seconds**.   * Keep these in mind:

The ideal location for your extender is **Halfway** between your wireless router and Wi-Fi enabled devices.

Best
5 4
3 Good   ≥ **3** LEDs
2
1
Bad

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

far away

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

Try to place your extender **in open corridors or spacious locations** rather than a crowded room.

☺ Enjoy!

The TL-WA854RE **shares** the same Wi-Fi network name(**SSID**) and **Wi-Fi password** with your main router/AP.

SSID(TP-LINK_XXX)
Password(ABCDEF)

SSID(TP-LINK_XXX)
Password(ABCDEF)

FAQ(Frequently Asked Questions)

Q1. How to reset the TL-WA854RE?
Tip 1: Use a pin to press the RESET button on the bottom of the TL-WA854RE for 2 seconds while it is plugged into a power outlet. Wait 5 seconds until all of the TL-WR854RE's LEDs **flash once**.
Tip 2: Log into the management page via your web browser, then go to "**System Tools -> Factory Defaults**" and click "**Restore**". Wait 5 seconds until all of the TL-WR854RE's LEDs **flash once.**

RESET
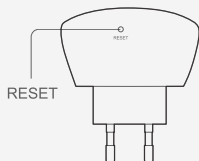
Q2. I typed http://tplinkextender.net in the browser URL bar, why can't I see the quick setup page?
Tip: First, make sure your computer is connected to the extender network and disconnected from any other network. Second, make sure your computer is set to obtain an IP address automatically.
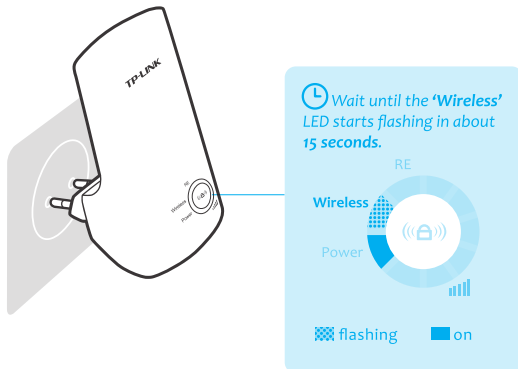
Q3. What's the technical support hotline?
Tip: Please visit www.tp-link.com , find **Support>Contact Technical Support>Hotline Support** for more information. Other forms of support are also available on our website.

1   Power on

Plug your TL-WA854RE in **near** your router or AP.

Wait until the 'Wireless' LED starts flashing in about 15 seconds.

RE

Wireless

Power

▒ flashing   ■ on

2   Connect your computer to the TL-WA854RE

①   Disconnect your Ethernet Connection.

②   Click the **Wireless Network Connection** icon on your desktop.

③   Click the **refresh** icon ↻ and connect to the TL-WA854RE (the default wireless network name is: **TP-LINK_Extender_XXXXXX**) and continue to **Step 3**.
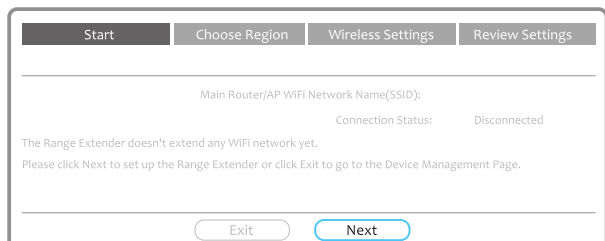
Not connected

Connection are available

Wireless Network Connetion ▲

TP-LINK_Extender_XXXXXX

√ Connect automatically   [Connect]
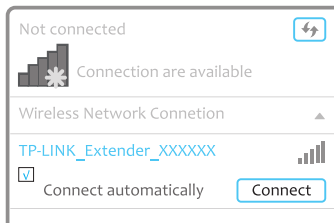
3   Configure via your Web Browser

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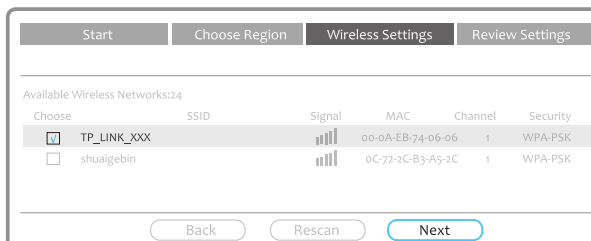
http://tplinkextender.net →

admin

admin

[OK] [Cancel]
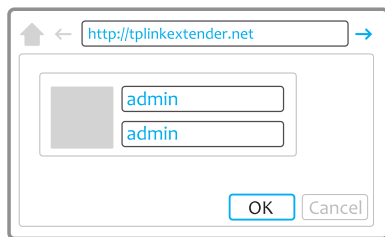
⚠ *It will take approximately 5 seconds or more until the above **login page pops up**. If it still does not pop up even if you **refresh** the browser, please go to **the FAQ>> Q2**.*
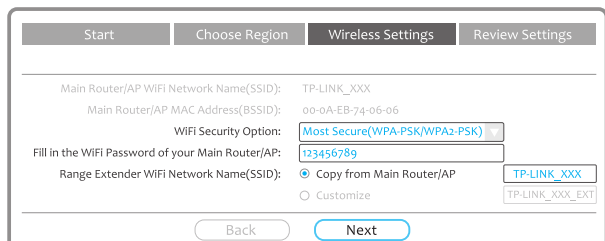
②   Below are the major steps of the setup process.

| 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**. TL-WA854RE's **Wi-Fi network name (SSID)** can be copied from your main router/AP **(TP-LINK_XXX)** or be customized **(TP-LINK_XXX_EXT)** .

| Start | Choose Region | Wireless Settings | Review Settings |

The Range Extender is applying the wireless settings.

Please wait about one minute...

100%

d. After completing the configuration, **check the LED lights**. Several (1~5) signal strength LEDs will light up if the configuration is successful.

*The 'RE' LED should go from flashing to solid in about **2 minutes**. Wait until several (1~5) 'Signal Strength' LEDs ▤ turn on .*

RE

Best

Wireless   Good

Power

Bad

▒ flashing   ■ on
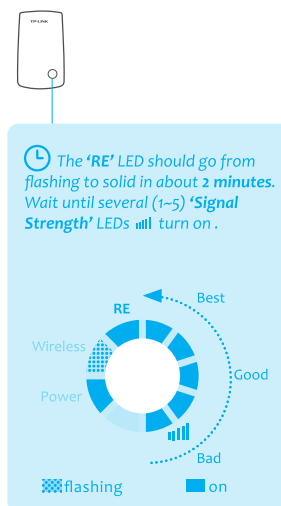
4   Relocate

Flip this piece of paper. Step 4 is the same as Step 3 of **Method ONE**.

☺ **Enjoy!**

Choose TL-WA854RE 's **Wi-Fi** network name (TP-LINK_XXX or TP-LINK_XXX_EXT). The TL-WA854RE **shares** the **same Wi-Fi password** with your main router/AP.

SSID(TP-LINK_XXX) Password(ABCDEF)

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