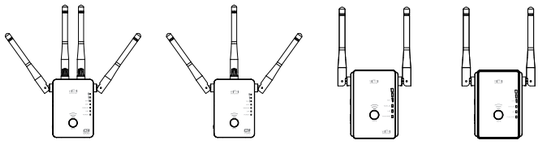
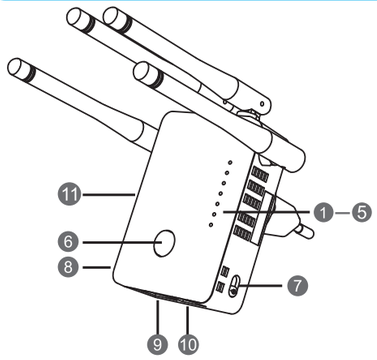
Wi-Fi Range Extender

Quick Guide



Hardware Overview



1. Signal Strength Indicator LEDs
2. WPS LED
3. WAN/LAN LED
4. LAN LED
5. Power LED
6. WPS Button
7. Mode Selector
8. POWER On/Off
9. LAN Port
10. WAN/LAN Port
11. Reset Button

Default Parameters

Login: **http://ap.setup**

Default IP: **192.168.10.1**

Login Password: **admin**

2.4G SSID: **Wirelees-N**

5G/AC SSID: **Wirelees-AC**

LED Indicators

POWER	**ON**: The Extender is powered on. **OFF**: The Extender is not receiving electrical power.
WAN/LAN	**ON**: The Ethernet port is connected. **OFF**: The Ethernet port is disconnected. **Flashing**: Transferring data to/from connected devices.
WPS	**Slow Flashing**: The Extender is trying to connect to your phone or PC. **Fast Flashing**: The Extender is connecting to your AP or router.

Wi-Fi Signal Strength

Mode	Indicator LEDs			Description
AP/Router	**ON**	**ON**	**ON**	Full Reception: 100%
Repeater	**ON**	**ON**	**ON**	Full Reception: 100%
	ON	**ON**	**OFF**	Good Reception: 50% to 75%
	ON	**OFF**	**OFF**	Weak Reception: below 50%
	Flashing	**OFF**	**OFF**	Disconnected

WPS Button:

Press and hold for 2 seconds, the Extender is trying to connect to your phone or PC .

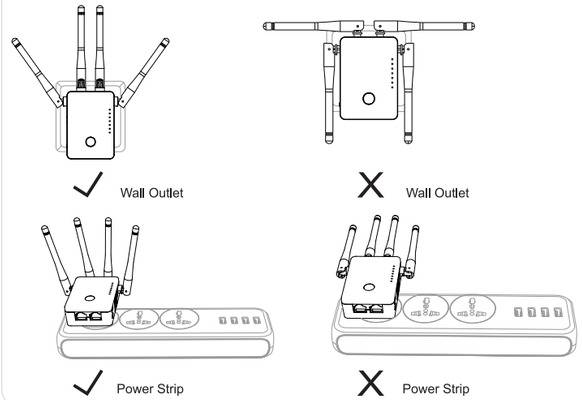
Press and hold for 6 seconds to connect to your Wi-Fi AP/router (for Repeater Mode).

Reset Button: Press and hold for 3 seconds to Reset the Extender.

Getting Started

※Please DO NOT install the Extender in where it is heavily surrounded by things. And KEEP AWAY from the strong electromagnetic radiation.

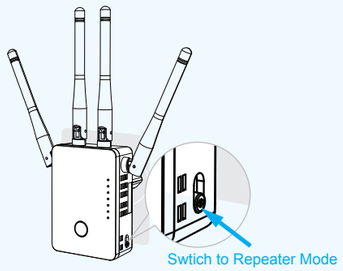
- Drawings with "✓" : Recommended
- Drawings with " X " : Not Recommended



OPTION ONE — Wi-Fi Repeater Mode Using a Web Browser

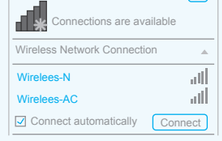
1 Power ON

1. Switch the mode selector to **Repeater** position.
2. Plug the product into an electrical outlet near your Wi-Fi router.
3. Shift the power switch to **ON** and wait until the **POWER LED** is on and solid green.



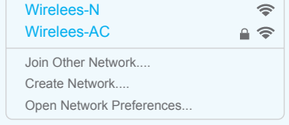
2 Connect to the Device

For Windows User



1. Disconnect the Ethernet (Wired) connection from your laptop (if any).
2. Turn your laptop's Wi-Fi ON if it is OFF.
3. Click the Wi-Fi icon on the taskbar and connect to the Extender's network: **Wirelees-N or Wirelees-AC**.

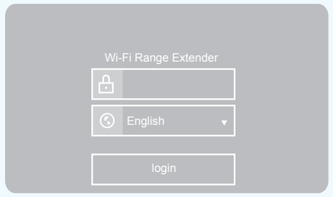
For Mac OS X User



1. Disconnect the Ethernet (Wired) connection from your laptop (if any).
2. Turn your laptop's Wi-Fi ON if it is OFF.
3. Click the Wi-Fi icon on the top right corner of the screen, and connect to the Extender's network: **Wirelees-N or Wirelees-AC**.

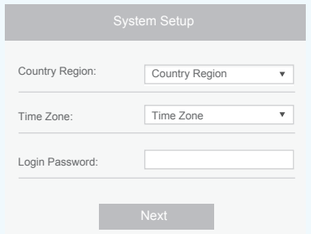
3 Configure

1. Launch a web browser and enter ap.setup in the address field. Enter admin (all lowercase) for the first login.



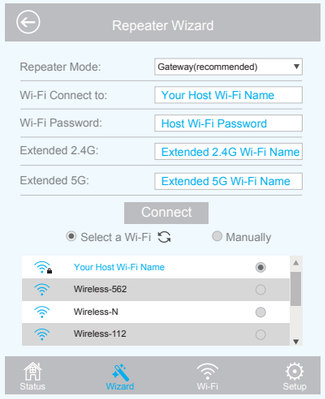
If the login window does not pop up, please refer to the FAQ > Q1.

2. The "**System Setup**" window will pop up for the first login. Configure and change the default login password, then click **Next**.



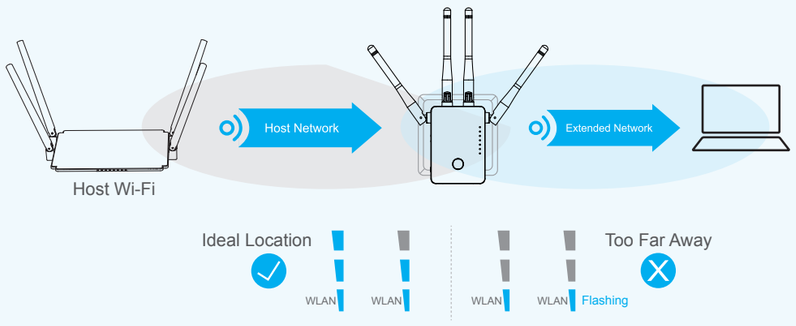
Note: The default password of the Extender is **"admin"**, we strongly recommend you change the default password.

3. Click **Wizard**. Select a Wi-Fi SSID of your router (Host WIFI) and enter the password. Either keep the same SSIDs as your host WIFI or create new names for the extended networks. Verify your wireless settings and click **Connect** button.



4 Relocate

1. Plug the Extender into an electrical outlet about halfway between your router(Host Wi-Fi) and the Wi-Fi dead zone. The location you choose must be within the range of your existing host Wi-Fi.
2. Wait until the WLAN LEDs are ON. If the signal is weak, relocate it closer to your router to achieve a good (or better) signal quality.



Tips:

1). Use your phone to find the ideal location for the Extender. If your phone's Wi-Fi signal (received from your router) is higher than 3 levels, it is the ideal spot to install the Extender. If not, we recommend you move it closer to your router for better Wi-Fi signal.

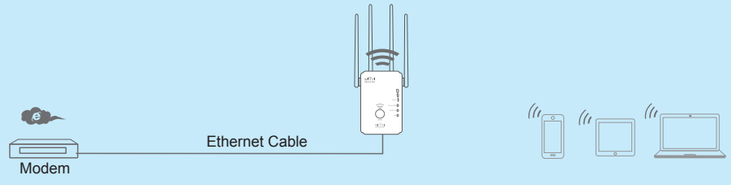
2). If you haven't changed the names of extended 2.4G and 5G at **Step 3**, the default extended 2.4G SSID (Wi-Fi name) will be your router's SSID with "**EXT2.4G**" within and "**EXT5G**" is for Extended 5G SSID correspondingly.

3). The extended 2.4G&5G passwords are the same as your Host passwords.

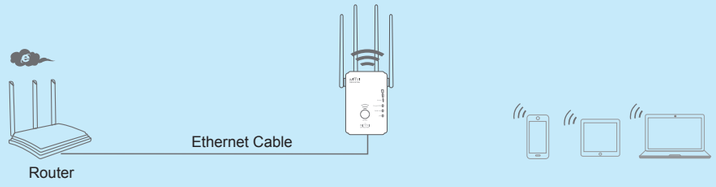
Router Mode and Access Point Mode (Optional)

The Extender also supports Router and AP modes. And you could switch the mode selector to choose the mode you prefer.

Router Mode

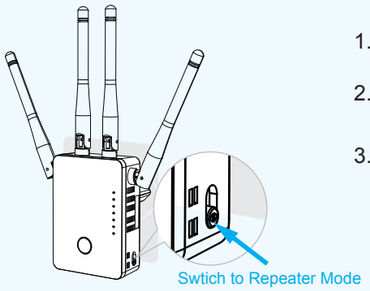


AP Mode



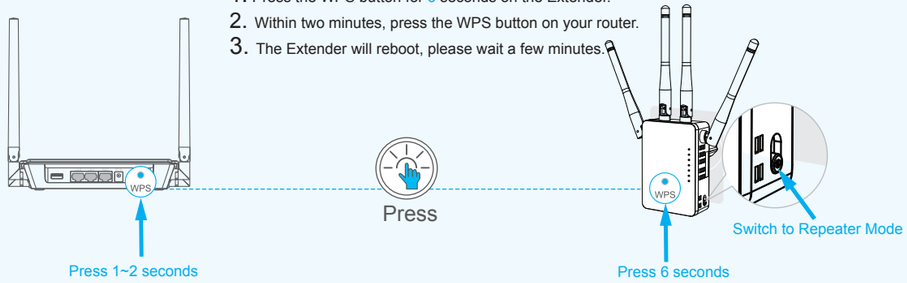
OPTION TWO Wi-Fi Repeater Mode
Using WPS (Wi-Fi Protected Setup)

1 Power ON



1. Switch the mode selector to **Repeater** position.
2. Plug the Extender into an electrical outlet near your Wi-Fi router.
3. Shift the power switch to **ON** and wait until the **POWER LED** is on and solid green.

2 Connect



1. Press the WPS button for 6 seconds on the Extender.
2. Within two minutes, press the WPS button on your router.
3. The Extender will reboot, please wait a few minutes.

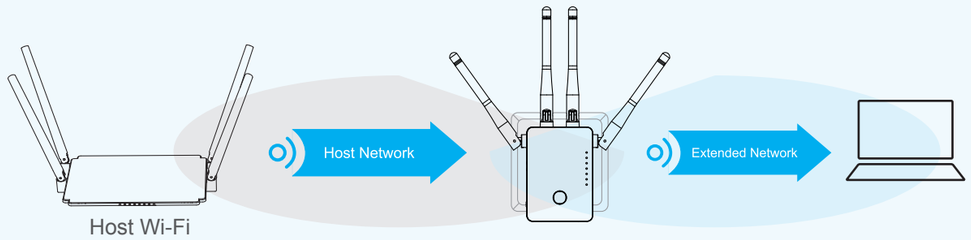
Tips: The corresponding WLAN LEDs should turn on and stay solid, indicating successful connections.

Note:`

1). Some ISP gateways disable the WPS function by default. If the WPS connection fails, please use **OPTION ONE**.

2). For more information about using WPS on your router, please refer to the router manufacturer's user guide.

3 Relocate



1. Plug the Extender into an electrical outlet about halfway between your router (Host Wi-Fi) and the Wi-Fi dead zone. The location you choose must be within the range of your existing host Wi-Fi.
2. Wait until the WLAN LEDs are ON. If the signal is weak, relocate it closer to the router to achieve a good (or better) signal quality.

Tips:

1). Use your phone to find the ideal location for the Extender. If your phone's Wi-Fi signal (received from your router) is higher than 3 levels, it is the ideal spot to install the Extender. If not, we recommend you move it closer to your router for better Wi-Fi signal.

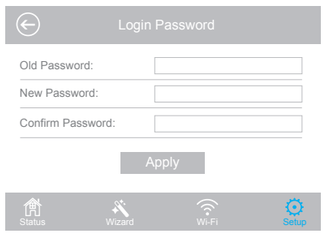
2). The default extended 2.4G SSID (Wi-Fi name) will be your router's SSID with "**EXT2.4G**" within and "**EXT5G**" is for Extended 5G SSID correspondingly.

3). The extended 2.4G&5G passwords are the same as your Host passwords.

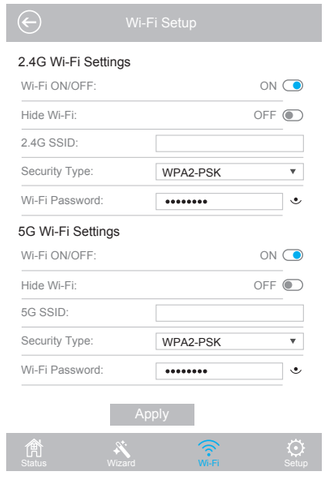
Management via Web Browser

Change Login Password

1. Visit http://ap.setup, and log in with the password you set for the Extender before.
2. Click **Setup->Login Password**.
3. Enter the old password. Then enter the new password (case-sensitive) and click **Apply** button.



4. Use the new password for future login attempts.



Wireless Basic Configuration

1. Click **Wi-Fi -> Wi-Fi Setup**.
2. Customize your wireless network for the Extender.
3. After finishing configuration, click **Apply** button and the Extender will reboot.

Firmware Upgrade

Firmware upgrade can fix bugs of the Extender. However, We **DO NOT** recommend you upgrade the firmware of the Extender if it works properly.

1. Click **Setup->Upgrade Firmware**.

2. Click **Browse (**or **Choose File)** to locate the downloaded new firmware file.
3. Click **Apply** button, and wait a few minutes for the firmware upgrade to complete.

Warranty voids if you interrupted the upgrade procedure.

NOTE: Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from the device. If the procedure is interrupt, the firmware upgrade will fail, and you may have to return the device to the dealer to ask for help.

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FAQ (Frequently Asked Questions)

Q1. Why doesn't the login page appear after entering http://ap.setup ?

- Make sure your computer is connected to the Extended network's SSID or connect your computer to the Extender using an Ethernet cable.
- Make sure your computer is set to obtain an IP address automatically.
- Verify that http://ap.setup is correctly entered in the web browser and press **Enter**.

Q2. What should I do if the LED does not change to solid after completing OPTION ONE?

- You may have entered the incorrect Wi-Fi password of your host Wi-Fi during the configuration. Please log into the Extender's web-based interface to check the password and try again.
- Please reset the Extender and go through the configuration again.

Q3. How do I restore the Device to its factory default settings?

- While the Extender is powered on, press and hold the Reset button until all the LEDs turn on momentarily.

Q4. Why my Wi-Fi Extender doesn't work in AP mode?

- Make sure the WAN/LAN port of the Extender is connected to the LAN port of your router and then try again.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

FCC Requirement
changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

FCC 20cm Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Requirement
IC Wifi 5G
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2)This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1)L'appareil ne doit pas produire de brouillage;
L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The user manual for LE-LAN devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:
i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; (注: For devices installed in vehicles point i. is not required.)

iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate;
iv. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

i. les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux4;

iii. pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas;
iv. lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 etla conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne surl'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ouémetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.