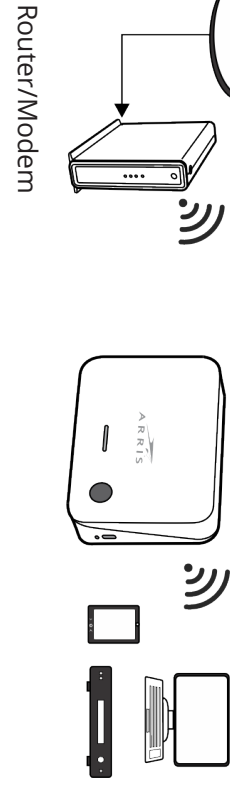
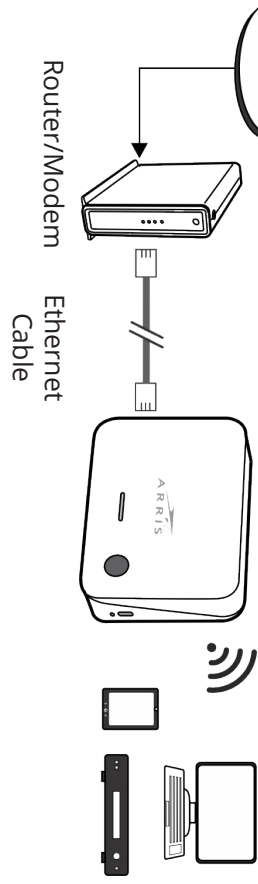


Unfold this Quick Start Guide and follow the instructions inside to set up your Extender.

Let's get started - set up your Extender



Wireless. If your router/modem has Wi-Fi and you prefer not to use Ethernet cabling, use the Extender wirelessly to increase your network to reach areas with weak signals.



Wired (recommended). If your router/modem does not have Wi-Fi or even if it does, use Ethernet cabling to achieve the best performing network. Connect your Wireless Extender to your router/modem using an Ethernet cable.

How will you use your Extender?

CAUTION

Environment:

- The Wireless Extender needs air flow to keep cool. Do not block or cover the ventilation holes of the Wireless Extender. Leave a gap of at least 10cm above and around the Wireless Extender to allow for adequate ventilation.
- Do not operate your Wireless Extender in an unventilated cabinet or on top of another unit that emits heat, such as a TV or media player.
- Do not store the Wireless Extender in hot, damp, dusty, or unusually cold locations.
- The Wireless Extender is intended for indoor use and installation only.

Handling:

- Do not put anything on or over your Wireless Extender which might drip or spill on it.
- Never place an open flame, such as from a lit candle, near the Wireless Extender's ventilation holes.

Storage:

- Store your Wireless Extender in a cool, dry place. Before installation and use, let the wireless extender reach room temperature.

Industry Canada Statement

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution:

- (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;
- (iv) where applicable, antenna type(s), antenna model(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.

Avertissement

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (i) les dispositifs fonctionnant dans la bande 5150-5250 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 canaux;
- (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'élevation, énoncée à la section 6.2.2.3, doivent être clairement indiqués

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 27cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 27cm entre le radiateur et votre corps.

Federal Communication Commission Interference Statement

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.

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 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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Operations in the 5.15-5.25GHz band are restricted to indoor usage only. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator & your body.

FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)

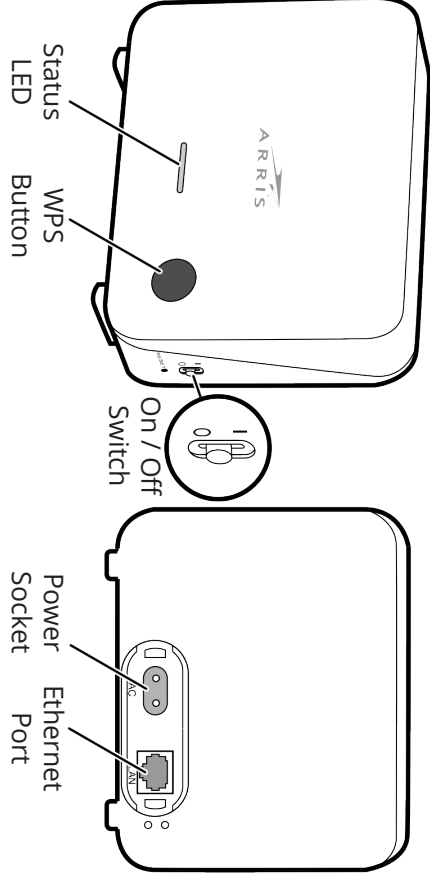
The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all Wi-Fi products marketed in the US must be fixed to US operation channels only.



VAP4641 Wireless Extender Quick Start Guide



Parts of the Wireless Extender



How to read your wireless Extender LEDs

This is not a full table of all system LED descriptions. Other LED settings may be related to setup or WPS operations, or useful for Customer Support troubleshooting.

State	LED Color	
Power	Starting up	fast blinking green
	Up; not connected to network	slow blinking green
	Fast network speed	solid green
Wired	Limited network speed	solid yellow
	Slow network speed	solid red
	WPS process ongoing	blinking yellow
WPS	WPS pairing unsuccessful	fast blinking red; 10 seconds
	WPS pairing successful	fast blinking green; 10 seconds
	Extender at good position	solid green
	Extender far from router/gateway	solid yellow
Wireless	Extender too far from router/gateway	solid red

Choose between the following two types of Extender mounting options for power.

Table Top Mount. Place the Extender on a flat surface near an outlet. Connect the power cord to the Extender and the outlet.

Wall Plug Mount. This option replaces the power cord by plugging the Extender directly into an outlet. Connect the module to the rear of the Extender (as shown). Plug the Extender + module into an outlet.

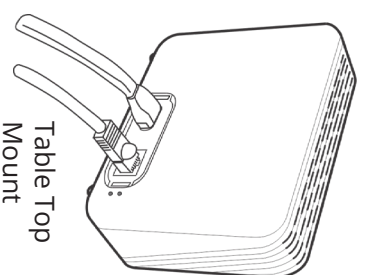
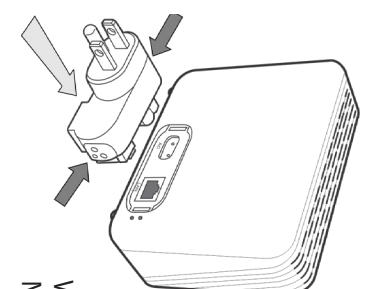


Table Top Mount

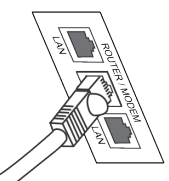
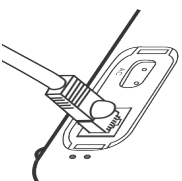


Wall Plug Mount

Mounting

Set up as a wired Extender

1. Plug an Ethernet cable into the yellow Ethernet port on the back of the Extender or into the port underneath the module for direct outlet power connection.
2. Plug the other end of the Ethernet cable into a LAN port on your router/modem.



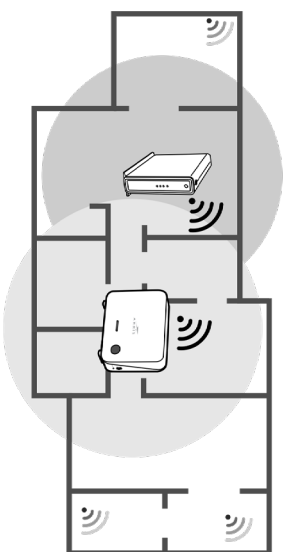
3. Switch the **On | Off Power toggle to on.** The Status LED fast blinks green and then slow blinks green.
4. The Status LED changes to solid green again when your Extender is connected to your router/modem.

5. Next, the Status LED changes to the color that indicates the network connectivity speed.
 - Solid Green = Fast network speed
 - Solid Yellow = Medium network speed
 - Solid Red = Slow network speed

1. Place the Extender almost half-way between your Wi-Fi router/modem and the point where your Wi-Fi signal is poor.

Good Wi-Fi Signal

Poor Wi-Fi Signal



2. Connect the Extender to power according to the mounting option you choose.
3. Switch the **On | Off Power toggle to on.** The Status LED fast blinks green and then slow blinks green.

4. Press the WPS button on the Extender to pair with your router/modem:
 - Blinking Yellow = Connecting to the Wi-Fi network
5. After connection is established, the Status LED changes to the color that indicates the strength of the signal of your Wi-Fi network router/modem.
 - Solid Green = Strong signal
 - Solid Yellow = Extender is far from the router/modem; move closer and repeat steps 2-4
 - Solid Red = Extender is too far from router/modem; move closer and repeat steps 2-4

After the Extender's Status LED is solid green, indicating a strong Wi-Fi signal, add Wi-Fi devices to the Extender, as described in **Add Wi-Fi Devices to the Network.**

Set up as a wireless Extender

1. Press and hold the WPS button on the front of the Extender for two seconds, then release it. The Status LED blinks yellow while it looks for your Wi-Fi device.
2. WPS device push-button function:
 - Windows: Push-button function is activated automatically
 - Android: Push-button function is activated on the Advanced page in the Wi-Fi settings
 - iOS: Push-button function not supported
3. The Status LED appears solid green when the Extender connects to your Wi-Fi device.
If the Status LED blinks red, the Extender didn't connect with your Wi-Fi device. Try again, or check the settings of your home Wi-Fi network. You may need to use the network name and Wireless password located on the label underneath the Extender to connect devices to the Wi-Fi network.

Add Wi-Fi devices to the network: repeat these steps for all devices

NOTE: For all devices, it is possible to connect using the network name (SSID) and passcode. The default network name and passcode is printed on the label on the back on the unit.

RESTRICTIONS ON USE OF WIRELESS DEVICES

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. For example, using wireless equipment in any environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the applicable policy for the use of wireless equipment in a specific organization or environment, you are encouraged to ask for authorization to use the device prior to turning on the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this product, or the substitution or attachment of connecting cables and equipment other than specified by the manufacturer. Correction of interference caused by such unauthorized modification, substitution, or attachment is the responsibility of the user.

The manufacturer and its authorized resellers or distributors are not liable for any damage or violation of government regulations that may arise from falling to comply with these guidelines.

CARING FOR THE ENVIRONMENT BY RECYCLING



When you see this symbol on an ARRIS product, do not dispose of the product with residential or commercial waste. Recycling your ARRIS Equipment

Please do not dispose of this product with your residential or commercial waste. Some countries or regions, such as the European Union, have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region.

OPEN SOURCE INFO

For instructions on how to obtain a copy of any source code being made publicly available by ARRIS related to software used in this ARRIS product you may send your request in writing to:

ARRIS, Software Pedigree Operations, 2450 Walsh Avenue, Santa Clara, CA 95051, USA.

The ARRIS website [opensource.arris.com](https://www.arris.com/opensource) also contains information regarding use of open source. ARRIS has created [opensource.arris.com](https://www.arris.com/opensource) to serve as a portal for interaction with the software community-at-large.

IMPORTANT SAFETY INFORMATION

Your Wireless Extender has been manufactured to meet international safety standards, but you must take care to operate it safely. It is important that you read these safety instructions.

WARNING: Remember that contact with AC mains can be lethal or can cause severe electric shock.

To avoid the risk of electric shock:

- Never attempt to open the Wireless Extender, as there are high-voltage live parts inside. There are no user-serviceable parts inside it.
- Make sure all electrical connections are properly made.
- Before you disconnect any other equipment from your Wireless Extender, switch off your Wireless Extender by pushing the ON/OFF button, then disconnect your Wireless Extender by disconnecting it from the mains socket on the wall.
- Never push anything into holes, slots or other openings in the case.
- Disconnect your Wireless Extender from the mains by removing the power cord unit or turning the unit off with the On/Off toggle switch.

The model number, serial number, and electrical rating of the Wireless Extender are on the rear label.

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